File ID: 2026-01012 6/16/2026

[Contract] Fiscal Year 2027 Contracts: Chemical Purchases (Bay Area Chemical Consortium - BACC) [Published for 10-Day Review 06/05/2026]

File ID: 2026-01012

Location: Citywide

Recommendation: Pass a **Motion** awarding one-year contracts from July 1, 2026 through June 30, 2027 to: 1) Chemtrade Chemicals US LLC for the purchase of Aluminum Sulfate in an amount not to exceed $2,000,000; 2) Thatcher Company of California, Inc. for the purchase of Liquid Chlorine in an amount not to exceed $2,400,000; 3) DuBois Chemicals, Inc. for the purchase of Hydroflurosilicic Acid in an amount not to exceed $350,000; 4) Olin for the purchase of Sodium Hypochlorite in an amount not to exceed $800,000; 5) Univar Solutions USA for the purchase of Sodium Bisulfite in an amount not to exceed $350,000; and 6) Univar Solutions USA Inc. for the purchase of Sodium Hydroxide in an amount not to exceed $100,000. The City may extend these contracts for up to three (3) additional one-year terms on terms and conditions mutually acceptable to the City and Contractor, for a maximum four (4) year term.

Contact: Deanne Neighbours, Logistics Manager, (916) 808-3536, dneighbours@cityofsacramento.org; David Herrmann, Water Division Manager, (916) 808-5652, dherrmann@cityofsacramento.org; Dalia Fadl, Director, (916) 808-3765, dfadl@cityofsacramento.org; Department of Utilities

Presenter: None

Attachments:
1-Description/Analysis
2-PRC004207 Chemtrade (Aluminum Sulfate)
3-PRC004208 Thatcher (Liquid Chlorine)
4-PRC004209 DuBois (Hydroflurosilicic Acid)
5-PRC004210 Olin (Sodium Hypochlorite)
6-PRC004211 Univar (Sodium Bisulfite)
7-PRC004212 Univar (Sodium Hydroxide)

Description/Analysis
Issue Detail: The Department of Utilities (DOU) operates two water treatment plants, the

Sacramento River Water Treatment Plant and the E.A. Fairbairn Water Treatment Plant. DOU also operates the Combined Wastewater Treatment Plant and several other smaller facilities for wastewater treatment. As part of these treatment processes, multiple chemicals are used, including Aluminum Sulfate, Liquid Chlorine, Hydroflurosilicic Acid, Sodium Hypochlorite, Sodium Bisulfite and Sodium Hydroxide. DOU has an ongoing need to maintain sufficient inventory of these chemicals to ensure water quality regulations are met and uninterrupted service is provided to customers. The prices for these contracts have been bid on behalf of DOU by the Bay Area Chemical Consortium (BACC).

Policy Considerations: City Code Section 3.56.240 authorizes the City Manager, by cooperative purchasing agreements approved by the City Council, to purchase supplies through legal contracts of other governmental jurisdictions or public agencies without separate competitive bidding by the City.

The Sacramento City Code Section 4.04.020 and the City Council Rules of Procedure (Chapter 7, Section E.2.d) mandate that unless waived by a two-thirds vote of the City Council, all labor agreements, and all agreements greater than $1,000,000 shall be made available to the public at least ten (10) days prior to City Council action.

Economic Impacts: None.

Environmental Considerations: The purchase and use of chemicals is an ongoing activity at the City's water and wastewater plants. The use of these chemicals is regulated by State permit requirements. The Community Development Department, Environmental Services Manager has determined that the proposed activity is not a project pursuant to the California Environmental Quality Act (CEQA). CEQA Guidelines Section 15378(b). The activity is a continuing administrative or maintenance activity, such as the purchase of supplies, and is not subject to CEQA. CEQA Guidelines Section 15060(c)(3).

Sustainability: Chemicals to be purchased under these contracts comply with the 2040 General Plan and Climate Action & Adaptation Plan as they facilitate the continued treatment and protection of the City's drinking water. Per General Plan PFS-3.1: "Provision of Adequate Utilities. The City shall continue to provide reliable water, wastewater, and stormwater drainage utility services."

Commission/Committee Action: Not applicable.

Rationale for Recommendation: Per historical data, the prices for these chemicals obtained through the BACC bid process are lower than prices the City would have been able to obtain bidding on its own.

Use of the BACC bid process is in the City's best interest because by purchasing chemicals through the BACC, the City can consolidate bid solicitations for these chemicals into one annual bidding

process and BACC is made up of approximately 60 public water and wastewater agencies working together to purchase chemicals which yields more competitive pricing from vendors.

The not-to-exceed amounts of these contracts are based on DOU's previous experience with chemical quantities used for treatment operations and past expenditures.

Financial Considerations: Sufficient funds exist in the proposed FY2027 DOU Operating Budget to support the first year of the agreements. The total contract authority is up to $6 million over four years, including the optional one-year extensions. Funding in future fiscal years will be subject to availability of sufficient funds in the applicable fiscal year.

There are no General Funds allocated or planned for these agreements.

Local Business Enterprise (LBE): The City's LBE bid requirements do not apply because the City is using an alternative procurement process and did not conduct the bidding process.

CONTRACT#: PRC004207
CONTRACT NAME: ALUMINUM SULFATE
AGREEMENT TERM: ONE (1) YEAR
AUTHORIZED RENEWALS: THREE (3) ADDITIONAL ONE (1) YEAR TERMS
DEPARTMENT/DIVISION: UTILITIES / WATER

PROJECT: N/A
NOT-TO-EXCEED AMOUNT: $2,000,000
SOLICITATION: ALTERNATIVE METHOD
LBE (Y/N): N
COUNCIL FILE ID: 2026-01012

BAY AREA CHEMICAL CONSORTIUM
STANDARD AGREEMENT, PAGE 1 OF 2
BID NO.01-2026
SUPPLY AND DELIVERY OF ALUMINUM SULFATE

I hereby agree to furnish ALUMINUM SULFATE identified in the attached bid forms, as solicited by the Bay Area Chemical Consortium (BACC), to one or more of the participating BACC Agencies.

Company: CHEMTRADE CHEMICALS US LLC
Address: 90 EAST HALSEY ROAD, SUITE 200
City, State, ZIP: PARSIPPANY, NJ 07054
Phone: 800-441-2659
Email: bids@chemtradelogistics.com
Authorized Representative: ELIZABETH RYNO, BID SPECIALIST
Signature: Elizabeth Ryno
Date: FEBRUARY 18, 2026

NONE RECEIVED

WE ACKNOWLEDGE RECEIVING ADDENDUM/ADDENDA NUMBER _____ THROUGH _____.

SPECIFIC DEVIATIONS:

[X] This box must be checked if bidder has any proposed specific deviations. Per Section 2.12 Proposed Deviations from the Specifications by the Bidder, the absence of a proposed changed in the specifications will hold the bidder strictly accountable to the specifications as described in the bid document, including any addendum.

Describe the specific deviations below. A copy of the proposed specifications must be attached to this Standard Agreement at the time of submission, with bidder's name clearly shown on each document.

Please note an additional $0.60 / gallon will be assessed for Aluminum Sulfate
Loads of less than 2,000 gallons.

Description of Emergency Supply Plan: Provide a summary of vendor's plans to continue to supply product in the event of an unexpected disaster or urgent emergency event.

*** PLEASE SEE ATTACHED ***

STANDARD AGREEMENT, PAGE 2 OF 2

1692799v1

BIDDER INFORMATION

1. Legal Name of Bidder:
   CHEMTRADE CHEMICALS US LLC

2. Bidder's Street Address:
   90 EAST HALSEY ROAD, SUITE 200, PARSIPPANY, NJ 07054

3. Mailing Address:
   SAME AS ABOVE

4. Business Telephone: 800-441-2659 Fax Number: 973-515-4461

5. Type of Supplier:
   □ Sole Proprietor □ Partnership □ Corporation ☒ LLC
   If Corporation, indicate State where incorporated: DELAWARE

6. Business License Number issued by the City where the Supplier's principal place of business is located.
   Number: 003910 Issuing City: COUNTY OF CONTRA COSTA

7. Supplier Federal Tax Identification Number: 74-3104940

8. Emergency Contact: Name: ROBERT NARANJO
   Phone Number: 360-440-0293

9. Order Contact: Name: HENSLEY DEROUGEUR
   Address: 155 GORDON BAKER ROAD, STE 300, TORONTO, ON M2H 3N5
   Phone Number: 833-644-4717 Fax Number: 514-640-4858
   Email: CustomerService@chemtradelogistics.com

10. References: *** PLEASE SEE ATTACHED ***

Company/Agency Name	Contact Name	Phone Number
1)		
2)		
3)		

11. Chemical Manufacturer's name and address (if different from Bidder):
    CHEMTRADE SOLUTIONS LLC (Same Company)
    501 Nichols Road, Pittsburg, CA 94565

March 13, 2026

Chemtrade Chemicals US LLC
Attn: Elizabeth Ryno
90 East Halsey Road, Suite 200
Parsippany, NJ 07054

RE: Award Contract in Response to Bay Area Chemical Consortium (BACC) Bid No. 01-2026 for Supply and Delivery of ALUMINUM SULFATE.

Dear Ms. Ryno

We are pleased to advise you that the bid submitted by Chemtrade Chemicals US LLC for Bid No. 01-2026 was determined to be the lowest responsive bid for the supply and delivery of ALUMINUM SULFATE during the period July 1, 2026 through June 30, 2027.

The participating BACC Agencies should be contacting you shortly to discuss entering into contracts with Chemtrade Chemicals US LLC for their respective facilities.

Bay Area Chemical Consortium sincerely appreciates your efforts and participation in the competitive bid process.

If you have any questions, please free to contact me at jdyment@bacwa.org

Sincerely,

Jennifer Dyment
Assistant Executive Director
BACWA.org
as Coordinating Agency for the Bay Area Chemical Consortium

Section	ALUMINUM SULFATE 44%-49% Liquid Solution						Aluminum Sulfate 2% Acidized (OPTIONAL BID ITEM)	Aluminum Sulfate 5% Acidized (OPTIONAL BID ITEM)
Description	**Central Valley**	**East Bay**	**North Bay**	**Sacramento**	**South Bay**	**Tri Valley**	**South Bay**	**South Bay**
Unit of Measure	**gal**	**gal**	**gal**	**gal**	**gal**	**gal**	**gal**	**gal**
Chemtrade Chemicals, LLC US	1.3679	1.3679	1.3679	1.3053	1.5419	1.3679	1.6679	1.5049

2.16 Method of Award

Bids may be awarded to the lowest responsive and responsible bidder meeting the specifications for bulk loads for the chemical. The lowest responsive bidder will be determined by multiplying the estimated annual quantity for each participating BACC agency by the bid price for their region and adding up the aggregate cost to all of the participating agencies in the regions. The single bid that results in the lowest overall cost to the participating agencies as a group will be determined by BACC to be the low bid,

assuming the bid is determined by BACC to be complete and in compliance with the bid requirements. BACC has the right to delete terms or options from the bid contract documents and reserves the right to reject any and all bids and to waive irregularities in said bids.

Single Bid Award	**44% - 49% Liquid Solution**						**2% optional**	**5% optional**
Aggregate Cost Calculation:	**Central Valley**	**East Bay**	**North Bay**	**Sacramento**	**South Bay**	**Tri Valley**	**South Bay**	**South Bay**
Estimated annual quantity	**115,000**	**700,000**	**1,202,000**	**1,403,000**	**2,276,000**	**859,600**	450,000	1,500,000
Chemtrade Chemicals, LLC US	$157,308.50	$957,530.00	$1,644,215.80	$1,831,335.90	$3,509,364.40	$1,175,846.84	$750,555.00	$2,257,350.00

Water Chemicals Group
90 East Halsey Road
Parsippany, NJ 07054
Tel: 973-515-0900
Fax: 973-515-4461

ORDER CONTACT, EMERGENCY CONTACT AND TECHNICAL SERVICE INFORMATION

Normal operating business hours are Monday – Friday 8:00 AM to 5:00 PM E.S.T.

To place orders, contact your Customer Service Representative:

Name: Hensley Derougeur
Phone: 1-833-644-4717
E-mail: CustomerService@chemtradelogistics.com
Fax: (514) 640-4858

After normal business hours, for emergencies *and orders please call* ***1-514-513-7401*** *and the on-call Customer Service Representative will be available to assist you. This number will also be provided if you call the regular Customer Service line.*

For Technical Service please call (315) 478-2323 or visit our website at:
http://www.chemtradelogistics.com

Corporate/Sales Office
Chemtrade Chemicals US, LLC
90 East Halsey Road
Parsippany, NJ 07054

Michele Schroeher, Pricing Mgr.
Phone: (973) 515-1841
Email:
Mschroeher@chemtradelogistics.com

Robert Naranjo, Sales Account Mgr.
Mobile: (360) 440-0293
Email:
Rnaranjo@chemtradelogistics.com

For Bid/Contract Information:
Elizabeth Ryno
Phone: (800) 441-2659
Direct: (973) 515-1858
Fax: (973) 515-4461
Bryno@chemtradelogistics.com and/or bids@chemtradelogistics.com

CHEMTRADE

Water Treatment Group

90 East Halsey Road
Parsippany, NJ 07054
Tel: 1-800-441-2653
Fax: (973) 515-4461
www.chemtradelogistics.com

PRODUCT CERTIFICATION

Chemtrade Chemicals certifies that all grades of Aluminum Sulfate as produced by our manufacturing locations will meet National Sanitation Foundation Standard 60 and ANSI/AWWA B 403-24 standard in every respect.

Additionally, we certify that the product meets or exceeds the specifications set forth in the Bay Area Chemical Consortium bid.

Safety Data Sheet, NSF Certification and related technical information is attached for review.

Elizabeth Ryno
Bid Specialist

The Public Health and Safety Organization

NSF Product and Service Listings

These NSF Official Listings are current as of **Wednesday, February 18, 2026** at 12:15 a.m. Eastern Time. Please contact NSF to confirm the status of any Listing, report errors, or make suggestions.

Alert: NSF is concerned about fraudulent downloading and manipulation of website text. Always confirm this information by clicking on the below link for the most accurate information:
http://info.nsf.org/Certified/PwsChemicals/Listings.asp?CompanyName=chemtrade+&TradeName=alum&PlantState=California+CA&

NSF/ANSI/CAN 60
Drinking Water Treatment Chemicals - Health Effects

Chemtrade Solutions LLC (formerly
General Chemical LLC)
155 Gordon Baker Road
Suite 300
Toronto, ON M2H 3N5
Canada
866-887-8805
416-496-5856
Visit this company's website
(http://www.chemtradelogistics.com)

Facility : Pittsburg, CA

Aluminum Chloride[AL]

Trade Designation	*Product Function*	*Max Use*
Aluminum Chloride Solution	Coagulation & Flocculation	200mg/L

[AL] Based on an evaluation of health effects data, the level of aluminum in the finished drinking water shall not exceed 2 mg/L.

Aluminum Sulfate[AL] [CP]

Trade Designation	*Product Function*	*Max Use*
Alum	Coagulation & Flocculation	400 mg/L
Aluminum Sulfate	Coagulation & Flocculation	400 mg/L
Liquid Alum	Coagulation & Flocculation	400mg/L
Liquid Alum Acidized 0.5-10.0%	Coagulation & Flocculation	400 mg/L

[AL] Based on an evaluation of health effects data, the level of aluminum in the finished drinking water shall not exceed 2 mg/L.

[CP] The finished drinking water shall be monitored to ensure that levels of copper do not exceed 1.3 mg/L.

Polyaluminum Chloride[AL]

Trade Designation	*Product Function*	*Max Use*
Polyaluminum Chloride	Coagulation & Flocculation	250 mg/L

[AL] Based on an evaluation of health effects data, the level of aluminum in the finished drinking water shall not exceed 2 mg/L.

Number of matching Manufacturers is 1

Number of matching Products is 6

Processing time was 2 seconds

CHEMTRADE

ANALYTICAL SERVICES LABORATORY
REPORT OF ANALYSIS

To: Bay Area
cc: Beth Ryno

Lab. Log # 503130600

SAMPLES: Liquid Aluminum Sulfate - Semi-Annual Audit

ORIGIN: Baypoint

All analyses are reported as PPM unless stated otherwise

PARAMETER	Concentration
As	<2
Ba	<1
Be	<1
Ca	13
Cd	<1
Co	<1
Cr	<1
Cu	<1
Fe	10
Hg	<0.5
K	3
Mg	5
Mn	<1
Mo	<1
Na	289
Ni	<1
P	2
Pb	<1.5
Sb	<1.5
Se	<1
Si	9
Sn	<1
Sr	<1
Ti	2
Tl	<1.5
V	<1
Zn	<1
Zr	<1

PARAMETER	Concentration
% Al2O3 (total by wt)	8.1
% Free Al2O3 (free by wt)	0.2
% Fe2O3 (total soluble by wt)	0.001
% Insolubles (by wt)	0.020
Turbidity (NTU)	2.4
Appearance	clear water white

NOTES:
Product within specification for all parameters analyzed.

Analysts	Record	Report Date
Z. Miller	WC033125	BR 02/16/2026
S. Ulman	45748.383	

Chemtrade is not engaged in the business of consulting or providing technical, operational or safety advice for a fee. Any such advice provided herein has been furnished as an accommodation and without charge and is made without any warranty of representation as to its completeness, accuracy, fitness for a particular purpose or any other matter. The recipient's use or non-use of such advice is made solely at the discretion and risk of the recipient.

CHEMTRADE

ANALYTICAL SERVICES LABORATORY
REPORT OF ANALYSIS

To: Bay Area
cc: Beth Ryno

Lab. Log # 503130601

SAMPLES: Liquid Aluminum Acidified, 2% - Semi-Annual Audit

ORIGIN: Baypoint

All analyses are reported as PPM unless stated otherwise

PARAMETER	Concentration	PARAMETER	Concentration
As	<2	% Al2O3 (total by wt)	7.4
Ba	<1	% Free HsSO4 (free by wt)	2.1
Be	<1	% Fe2O3 (total soluble by wt)	0.001
Ca	12	% Insolubles (by wt)	0.020
Cd	<1		
Co	<1		
Cr	<1		
Cu	<1		
Fe	9		
Hg	<0.5		
K	3		
Mg	5		
Mn	<1		
Mo	<1		
Na	261		
Ni	<1		
P	2		
Pb	<1.5		
Sb	<1.5		
Se	<1		
Si	9		
Sn	<1		
Sr	<1		
Ti	2		
Tl	<1.5		
V	<1		
Zn	<1		
Zr	<1		

NOTES:
Product within specification for all parameters analyzed.

Analysts	Record	Report Date
Z. Miller		BR 02/16/2026
S. Ulman		

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CHEMTRADE

ANALYTICAL SERVICES LABORATORY
REPORT OF ANALYSIS

To: Bay Area
cc: Beth Ryno

Lab. Log # 503130602

SAMPLES: Liquid Aluminum Acidified, 5% - Semi-Annual Audit

ORIGIN: Baypoint

All analyses are reported as PPM unless stated otherwise

PARAMETER	Concentration	PARAMETER	Concentration
As	<2	% Al2O3 (total by wt)	6.7
Ba	<1	% Free Al2O3 (free by wt)	5.2
Be	<1	% Fe2O3 (total soluble by wt)	0.001
Ca	11	% Insolubles (by wt)	0.020
Cd	<1		
Co	<1		
Cr	<1		
Cu	<1		
Fe	8		
Hg	<0.5		
K	3		
Mg	4		
Mn	<1		
Mo	<1		
Na	235		
Ni	<1		
P	2		
Pb	<1.5		
Sb	<1.5		
Se	<1		
Si	8		
Sn	<1		
Sr	<1		
Ti	2		
Tl	<1.5		
V	<1		
Zn	<1		
Zr	<1		

NOTES:
Product within specification for all parameters analyzed.

Analysts
Z. Miller
S. Ulman

Record

Report Date
BR 02/16/2026

Chemtrade is not engaged in the business of consulting or providing technical, operational or safety advice for a fee. Any such advice provided herein has been furnished as an accommodation and without charge and is made without any warranty of representation as to its completeness, accuracy, fitness for a particular purpose or any other matter. The recipient's use or non-use of such advice is made solely at the discretion and risk of the recipient.

CHEMTRADE

http://www.chemtradelogistics.com

Liquid Alum
PRODUCT DATA SHEET

CHARACTERISTICS

Liquid Alum is a clear, light green, slight yellow, brown, amber or orange-like tinted solution. It is a cationic inorganic coagulant and flocculant suitable for industrial and municipal water and wastewater treatment applications.

NSF/ANSI/CAN Standard 60: Drinking Water Chemicals - Health Effects; Certified

TYPICAL PROPERTIES

Formula:	Aqueous solution of aluminum sulfate	
C.A.S.	10043-01-3 (Aluminum sulfate)	
	pH (neat)	1.4 - 2.6
	Specific Gravity @ 21°C (70°F)	1.30 - 1.35
	Freezing Point	-16°C (4°F)
	Density, lbs./gal., US	10.8 - 11.3
	Aluminum as Al, %	4.2 - 4.5
	Aluminum as Al_2O_3, %	8.0 - 8.4
	Aluminum as $Al_2(SO_4)_3 \cdot 14H_2O$ (Dry Alum), %	46 - 49

PRODUCT USES

Municipal and industrial water and wastewater treatment for the removal of turbidity, color, suspended solids and phosphorus. Sludge compaction and volume reduction. Lagoon treatment. Oily wastewater clarification and dissolved air flotation. Emulsion breaking. Fixing rosin sizes on paper fibers. Paper machine drainage and retention aid. Paper machine pitch control.

SHIPPING CONTAINERS

Bulk transport | Bulk car | 275 US gal. one-way container | 55 US gal. plastic drum

SHIPPING REGULATIONS (US DOT / TDG)

Proper Shipping Name: Corrosive Liquid, Acidic, Inorganic, N.O.S. (Contains Aluminum Sulfate)
Hazard Class: 8 ID Number: UN3264 Packing Group: III
The US EPA reportable quantity (RQ) for aluminum sulfate is 5,000 lbs.

PRODUCT SAFETY INFORMATION

Anyone procuring, using or disposing of these products or their containers must be familiar with the appropriate safety and handling precautions. Such information may be found in the **Safety Data Sheets (SDS)** for these products or you may contact Chemtrade at 416-496-5856.
In the event of an emergency with these products, call the 24-hour **Emergency Number: USA and Canada (CHEMTREC) 1-800-424-9300**. For additional Water Chemicals contacts:

TECHNICAL SUPPORT
✉ WaterChem@chemtradelogistics.com

ORDERS & GENERAL INQUIRIES
✆ 1-844-204-9672

All information, statements, data, advice and/or recommendations, including, without limitation, those relating to storage, loading/unloading, piping and transportation (collectively referred to herein as "information") are believed to be accurate and reliable. However, no representation or warranty, express or implied, is made as to its completeness, accuracy, fitness for a particular purpose or any other matter, including, without limitation, that the practice or application of any such information is free of patent infringement or other intellectual property misappropriation. Chemtrade Logistics Inc. and its affiliates (collectively, "Chemtrade") are not engaged in the business of providing technical, operational, engineering or safety information for a fee, and, therefore, any such information provided herein has been furnished as an accommodation and without charge. All information provided herein is intended for use by persons having requisite knowledge, skill and experience in the chemical industry. Chemtrade shall not be responsible or liable for the use, application or implementation of the information provided herein, and all such information is to be used at the risk, and in the sole judgment and discretion, of such persons, their employees, advisors and agents.

CHEMTRADE

http://www.chemtradelogistics.com

Liquid Alum, Acidized 2.0%
PRODUCT DATA SHEET

CHARACTERISTICS

Liquid Alum, Acidized 2.0% is a colorless to light green or amber colored liquid. It is an advanced cationic coagulant and flocculant suitable for industrial and municipal water and wastewater treatment applications.

NSF/ANSI/CAN Standard 60: Drinking Water Chemicals - Health Effects; Certified

TYPICAL PROPERTIES

Formula: Aqueous solution of aluminum sulfate and sulfuric acid

C.A.S. 10043-01-3 / 7664-93-9 (Aluminum sulfate / Sulfuric acid)

pH (neat)	Less than 1
Specific Gravity @ 21°C (70°F)	1.29 - 1.31
Freezing Point (approx.)	Less than -15°C (< 5°F)
Density, lbs./gal., US	10.8 - 10.9
Aluminum as Al, %	3.9 - 4.0
Aluminum as Al_2O_3, %	7.4 - 7.6
Free Acid, % as H_2SO_4	2

PRODUCT USES

Municipal and industrial water and wastewater treatment for the removal of turbidity, color, suspended solids and phosphorus. Sludge compaction and volume reduction. Lagoon treatment. Oily wastewater clarification and dissolved air flotation. Emulsion breaking. Paper machine pitch control.

SHIPPING CONTAINERS

Bulk transport | Bulk car | 275 US gal. one-way container | 55 US gal. plastic drum

SHIPPING REGULATIONS (US DOT / TDG)

Proper Shipping Name:
Corrosive Liquid, Acidic, Inorganic, N.O.S. (Contains Aluminum Sulfate, Sulfuric Acid)
Hazard Class: 8 ID Number: UN3264 Packing Group: II
The US EPA reportable quantity (RQ) for aluminum sulfate is 5,000 lbs. and for sulfuric acid is 1,000 lbs.

PRODUCT SAFETY INFORMATION

Anyone procuring, using or disposing of these products or their containers must be familiar with the
Anyone procuring, using or disposing of these products or their containers must be familiar with the appropriate safety and handling precautions. Such information may be found in the **Safety Data Sheets (SDS)** for these products or you may contact Chemtrade at 416-496-5856.
In the event of an emergency with these products, call the 24-hour **Emergency Number: USA and Canada (CHEMTREC) 1-800-424-9300**. For additional Water Chemicals contacts:

TECHNICAL SUPPORT

✉ WaterChem@chemtradelogistics.com

ORDERS & GENERAL INQUIRIES

✆ 1-844-204-9672

All information, statements, data, advice and/or recommendations, including, without limitation, those relating to storage, loading/unloading, piping and transportation (collectively referred to herein as "information") are believed to be accurate and reliable. However, no representation or warranty, express or implied, is made as to its completeness, accuracy, fitness for a particular purpose or any other matter, including, without limitation, that the practice or application of any such information is free of patent infringement or other intellectual property misappropriation. Chemtrade Logistics Inc. and its affiliates (collectively, "Chemtrade") are not engaged in the business of providing technical, operational, engineering or safety information for a fee, and, therefore, any such information provided herein has been furnished as an accommodation and without charge. All information provided herein is intended for use by persons having requisite knowledge, skill and experience in the chemical industry. Chemtrade shall not be responsible or liable for the use, application or implementation of the information provided herein, and all such information is to be used at the risk, and in the sole judgment and discretion, of such persons, their employees, advisors and agents.

Liquid Alum, Acidized 5.0%
PRODUCT DATA SHEET

CHARACTERISTICS
Liquid Alum, Acidized 5.0% is a colorless to light green or amber colored liquid. It is an advanced cationic coagulant and flocculant suitable for industrial and municipal water and wastewater treatment applications.

NSF/ANSI/CAN Standard 60: Drinking Water Chemicals - Health Effects; Certified

TYPICAL PROPERTIES
Formula: Aqueous solution of aluminum sulfate and sulfuric acid
C.A.S. 10043-01-3 / 7664-93-9 (Aluminum sulfate / Sulfuric acid)

pH (neat)	Less than 1
Specific Gravity @ 21°C (70°F)	1.28 - 1.30
Freezing Point (approx.)	Less than -18°C (< 0°F)
Density, lbs./gal., US	10.7 - 10.8
Aluminum as Al, %	3.5 - 3.7
Aluminum as Al_2O_3, %	6.7 - 6.9
Free Acid, % as H_2SO_4	5

PRODUCT USES
Municipal and industrial water and wastewater treatment for the removal of turbidity, color, suspended solids and phosphorus. Sludge compaction and volume reduction. Lagoon treatment. Oily wastewater clarification and dissolved air flotation. Emulsion breaking. Paper machine pitch control.

SHIPPING CONTAINERS
Bulk transport | Bulk car | 275 US gal. one-way container | 55 US gal. plastic drum

SHIPPING REGULATIONS (US DOT / TDG)
Proper Shipping Name:
Corrosive Liquid, Acidic, Inorganic, N.O.S. (Contains Aluminum Sulfate, Sulfuric Acid)
Hazard Class: 8 ID Number: UN3264 Packing Group: II
The US EPA reportable quantity (RQ) for aluminum sulfate is 5,000 lbs. and for sulfuric acid is 1,000 lbs.

PRODUCT SAFETY INFORMATION
Anyone procuring, using or disposing of these products or their containers must be familiar with the appropriate safety and handling precautions. Such information may be found in the **Safety Data Sheets (SDS)** for these products or you may contact Chemtrade at 416-496-5856.
In the event of an emergency with these products, call the 24-hour **Emergency Number: USA and Canada (CHEMTREC) 1-800-424-9300**. For additional Water Chemicals contacts:

TECHNICAL SUPPORT
✉ WaterChem@chemtradelogistics.com

ORDERS & GENERAL INQUIRIES
✆ 1-844-204-9672

All information, statements, data, advice and/or recommendations, including, without limitation, those relating to storage, loading/unloading, piping and transportation (collectively referred to herein as "information") are believed to be accurate and reliable. However, no representation or warranty, express or implied, is made as to its completeness, accuracy, fitness for a particular purpose or any other matter, including, without limitation, that the practice or application of any such information is free of patent infringement or other intellectual property misappropriation. Chemtrade Logistics Inc. and its affiliates (collectively, "Chemtrade") are not engaged in the business of providing technical, operational, engineering or safety information for a fee, and, therefore, any such information provided herein has been furnished as an accommodation and without charge. All information provided herein is intended for use by persons having requisite knowledge, skill and experience in the chemical industry. Chemtrade shall not be responsible or liable for the use, application or implementation of the information provided herein, and all such information is to be used at the risk, and in the sole judgment and discretion, of such persons, their employees, advisors and agents.

Section 1. Identification

Product identifier

Product Identity Liquid Alum

Other means of identification Aluminum Sulfate, liquid (CHE-5001S)

Relevant identified uses of the substance or mixture and uses advised against

Alum is used as a coagulating agent in municipal and industrial water and wastewater treatment and as an additive in papermaking.

Restrictions on use:
For use in water treatment, refer to NSF dosage information.

Details of the supplier of the safety data sheet

Company Name

Chemtrade Logistics Inc. (Canada)
155 Gordon Baker Road Suite 300
Toronto, Ontario M2H 3N5
(416) 496-5856

Chemtrade Logistics Inc. (US)
90 East Halsey Road, Suite 200
Parsippany, NJ 07054
(800) 228- 8558

Emergency

24 hour Emergency Telephone No.

Chemtrade Emergency Contact: (866) 416-4404 (US and Canada)
CHEMTREC +1-800-424-9300
For Chemical Emergency, Spill, Leak, Fire, Exposure, or Accident, call CHEMTREC – Day or Night

Customer Service:

For SDS Info: (416) 496-5856
www.chemtradelogistics.com

Section 2. Hazard(s) identification

Exposure may aggravate pre-existing eye, skin, or respiratory conditions.

Classification of the substance or mixture

Metal corrosion;H290	May be corrosive to metals.
Skin corrosion/irritation category 1C;H314	Causes severe skin burns and eye damage.

Serious eye damage / eye irritation, category 1;H318	Causes serious eye damage.

Label elements



Danger

H290 May be corrosive to metals.
H314 Causes severe skin burns and eye damage.

[Prevention]:
P234 Keep only in original packaging.
P260 Do not breathe dust, fume, mist, vapors or spray.
P264 Wash thoroughly after handling.
P280 Wear protective gloves, protective clothing, eye protection, face protection.
[Response]:
P303+361+353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P304+340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER, doctor or physician.
P301+330+331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P363 Wash contaminated clothing before reuse.
P390 Absorb spillage to prevent material damage.
[Storage]:
P405 Store locked up.
P406 Store in a corrosive resistant, container with a resistant inner liner.
[Disposal]:
P501 Dispose of contents or container in accordance with local and national regulations.

Other hazards

This product contains no PBT/vPvB/vPvM chemicals.

This product contains no endocrine disrupting chemicals.
Does NOT contain component(s) that meet a 'definition' of per & poly fluoroalkyl substance (PFAS) per the US EPA PFASMASTER combined list of PFAS chemicals.

Section 3. Composition/information on ingredients

This product contains the following substances that present a hazard within the meaning of the Hazardous Products Regulations.

Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
Aluminium sulfate CAS Number: 10043-01-3 Synonyms: Aluminum sulfate, Aluminum sulfate.	45 - 70	Serious eye damage / eye irritation, category 1;H318 Metal corrosion;H290 Skin corrosion/irritation category 1C;H314*	No data available

The actual concentration or concentration range is withheld as a trade secret.
*PBT/vPvB - PBT, vPvM or vPvB-substance.
The full texts of the phrases are shown in Section 16.

The specific chemical identity and/or exact percentage of composition are withheld as a trade secret within the meaning of the OSHA Hazard Communication Standard [29 CFR 1910.1200].
* Skin corrosion classification based on Corrositex® test results. Corrositex® is a validated and accepted OECD in vitro test method that assesses if a substance can produce skin corrosion.

Section 4. First aid measures

Description of first aid measures

General In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

Inhalation Remove to fresh air, keep patient warm and at rest. If unconscious, place in the recovery position and obtain immediate medical attention. Give nothing by mouth.

Eyes Irrigate copiously with clean water for at least 30 minutes, holding the eyelids apart and seek medical attention. Remove contact lenses, if present and easy to do. Continue rinsing.

Skin Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser. Drench affected area with water for at least 30 minutes. Obtain medical attention if irritation develops or persists.

Ingestion If swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

Most important symptoms and effects, both acute and delayed

Overview Contact with skin causes severe skin burns. Causes serious eye damage.
Acute Health Effects: the substance causes serious eyes damage and severe burns.
EYE: Contact causes serious eye damage. Causes permanent damage to the cornea, iris, or conjunctiva with redness, pain, swelling, blurred vision, and severe burns

(Immediate). No delayed effects from eye contact are expected. No chronic effects from eye contact are known.
SKIN: Causes severe irritation which will progress to chemical burns. Symptoms may include redness, pain, serious skin burns, and blisters. (Immediate). No delayed effects from skin contact are expected. No chronic effects from skin contact are known.
INHALATION: May be corrosive to the respiratory tract. Prolonged exposure may cause irritation of the upper respiratory passages. (Immediate). May cause delayed pulmonary edema. No chronic effects from inhalation are known.
INGESTION: May cause burns or irritation of the linings of the mouth, throat, and gastrointestinal tract (Immediate). No delayed symptoms from ingestion are expected. No chronic effects from ingestion are known.

Indication of Any Immediate Medical Attention and Special Treatment Needed: If exposed or concerned, get medical advice and attention.
See section 2 for further details.

Eyes	Causes serious eye damage.
Skin	Causes severe skin burns and eye damage.

Section 5. Fire-fighting measures

Extinguishing media

Suitable Extinguishing Media: Water spray, dry chemical, foam, carbon dioxide.

Unsuitable extinguishing media: Do not use water jet, or heavy water stream. Use of heavy stream of water may spread fire.

Special hazards arising from the substance or mixture

Hazardous decomposition: Can liberate toxic and corrosive fumes of SO2 and SO3 under extreme conditions when boiled to dryness or heated above 600 ° C (1112 °F).

Keep only in original packaging.

Do not breathe dust, fume, mist, vapors or spray.

Advice for fire-fighters

As with all fires, wear positive pressure, self-contained breathing apparatus, (SCBA) with a full-face piece and protective clothing. Persons without respiratory protection should leave area. Wear SCBA during clean up immediately after fire. No smoking.

Fire Hazard: Product is not flammable but may burn at high temperatures. **Explosion Hazard:** Product is not explosive. Contact with metallic substances may release flammable hydrogen gas.

Firefighting Instructions: Do not enter fire area without proper protective equipment, including respiratory protection. Use water spray or fog for cooling exposed containers. Remove containers from fire area if this can be done without risk. **Exercise caution when fighting any chemical fire.**

Hazardous reactions will not occur under normal conditions.
Other Information: Do not allow run-off from fire fighting to enter drains or water courses.
ERG Guide No. 154

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures
General Measures: Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid contact with eyes, skin and clothing. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment. See Section 8.
Use only outdoors or in a well-ventilated area. Do not breathe mist, spray, and vapours.
Do not get in eyes, on skin, or on clothing. Use appropriate personal protection equipment (PPE). Wear protective gloves, eye protection, face protection (refer to section 8 for more details).
Use good personal hygiene practices. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Promptly remove soiled clothing and wash thoroughly before reuse.
Environmental precautions
Prevent entry to sewers and public waters. Avoid release to environment.
See Section 8 for exposure controls and personal protection and Section 13 for disposal considerations.
Methods and material for containment and cleaning up
Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit.
Ventilate area.
Contain, dilute cautiously with water, and neutralize with soda ash or lime.
Containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. As an immediate precautionary measure, isolate spill or leak area in all directions. Ventilate area.
Equip cleanup crew with proper protection.
Methods for Clean up: Clean up spills immediately and dispose of waste safely. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill.

Section 7. Handling and storage

Precautions for safe handling
Handle containers carefully to prevent damage and spillage.
Store locked up.
Use only outdoors or in a well-ventilated area. Do not breathe mist, spray, and vapours.
Do not get in eyes, on skin, or on clothing. Use appropriate personal protection equipment (PPE). Wear protective gloves, eye protection, face protection (refer to section 8 for more details).

Use good personal hygiene practices. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Promptly remove soiled clothing and wash thoroughly before reuse.

See section 2 for further details. - [Prevention]:

Conditions for safe storage, including any incompatibilities

Keep container closed when not in use. Store in a dry, cool place. Keep/Store away from extremely high or low temperatures and incompatible materials. Store in original container or corrosive resistant and/or lined container.

Comply with applicable regulations.

Incompatible materials: Non acid-proof metals (such as aluminum, copper and iron), bases, unalloyed steel, galvanized surfaces.

See section 2 for further details. - [Storage]:

Specific end use(s)

Alum is used as a coagulating agent in municipal and industrial water and wastewater treatment and as an additive in papermaking.

Restrictions on use:

For use in water treatment, refer to NSF dosage information.

Section 8. Exposure controls / personal protection

Control parameters

Exposure Limits

CAS No.	Ingredient	Source	Value
10043-01-3	Aluminium sulfate	ACGIH	No Established Limit
		OSHA	No Established Limit
		NIOSH	TWA 2 mg/m³
		Alberta	No Established Limit
		British Columbia	No Established Limit
		Manitoba	No Established Limit
		New Brunswick	No Established Limit
		Newfoundland and Labrador	No Established Limit
		Nova Scotia	No Established Limit
		Northwest Territories	No Established Limit
		Nunavut	No Established Limit
		Ontario	No Established Limit
		Prince Edward Island	No Established Limit
		Quebec	No Established Limit
		Saskatchewan	No Established Limit
		Yukon	No Established Limit

Exposure controls

Respiratory	If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn. In case of inadequate ventilation, oxygen deficient atmosphere, or where exposure levels are not known wear approved respiratory protection.
Eyes	Wear chemical safety goggles and face shield. **Where higher splash potential exists** (e.g. loading, unloading, line breaking, sampling of product), wear goggles and face shield with side and chin protection: chemical and impact resistant.
Skin	Wear chemical resistant gloves: Poly vinyl chloride (PVC), nitrile, viton™ (a trademark of the Chemours company), butyl or butyl rubber. Wear chemical resistant clothing. **Where higher splash potential exists** (e.g. loading, unloading, line breaking, sampling of product), wear hard hat and chemical splash shroud, Chemical resistant jacket and pants or bib overalls: PVC, neoprene, PVC coated polyester, or polyester trilaminate gore.
Engineering Controls	**Exposure Controls Appropriate Engineering Controls:** Emergency eyewash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed.
Other Work Practices	Put on appropriate personal protective equipment. Chemically compatible gloves (e.g.PVC, nitrile, viton butyl or butyl rubber), Chemical resistant clothing (e.g. PVC, neoprene, PVC coated polyester, or polyester trilaminate gore), and chemical resistant safety goggles and face shield. Where there is insufficient ventilation: wear respiratory protection. **WHERE HIGHER SPLASH POTENTIAL EXISTS** (e.g. loading, unloading, line breaking, sampling of product), wear hard hat and chemical splash shroud, chemical resistant jacket and pants or bib overalls: PVC, neoprene, PVC coated polyester, or polyester trilaminate gore. Follow all posted PPE requirements **AND** wear goggles and face shield with side and chin protection: chemical and impact resistant. Use only outdoors or in a well-ventilated area. Do not breathe mist, spray, and vapours. Do not get in eyes, on skin, or on clothing. Use appropriate personal protection equipment (PPE). Wear protective gloves, eye protection, face protection (refer to section 8 for more details). Use good personal hygiene practices. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Promptly remove soiled clothing and wash thoroughly before reuse.

See section 2 for further details.

Section 9. Physical and chemical properties

Information on basic physical and chemical properties

Physical State	Liquid
Color	Clear
Odor	Odorless
Odor threshold	No available information
Melting point / freezing point	-15.56 °C (3.99 °F)
Initial boiling point and boiling range	101 °C (213.8 °F)
Flammability (solid, gas)	Not Applicable
Upper/lower flammability or explosive limits	Lower Explosive Limit: No available information Upper Explosive Limit: No available information
Flash Point	No available information
Auto-ignition temperature	No available information
Decomposition temperature	No available information
pH	1.4 - 2.6
Viscosity (cSt)	No available information
Solubility in Water	Completely Soluble in water.
Partition coefficient n-octanol/water (Log Kow)	No available information
Vapour pressure (Pa)	No available information
Relative Density	No available information
Vapour Density	No available information
Evaporation rate (Ether = 1)	No available information Not applicable
Specific Gravity	1.30 - 1.35

Other information

No other relevant information.

Section 10. Stability and reactivity

Reactivity

May be corrosive to metals. Contact with metals may evolve flammable hydrogen gas. May react exothermically with water releasing heat. Adding an acid to a base or base to an acid may cause a violent reaction.

Chemical stability

Stable under recommended handling and storage conditions (see section 7).

Possibility of hazardous reactions

Hazardous polymerization will not occur.

Conditions to avoid

Direct sunlight, extremely high or low temperatures, and incompatible materials.

Incompatible materials

Non acid-proof metals (such as aluminum, copper and iron), bases, unalloyed steel, galvanized surfaces.

Hazardous decomposition products

Can liberate toxic and corrosive fumes of SO2 and SO3 under extreme conditions when boiled to dryness or heated above 600 ° C (1112 °F).

Section 11. Toxicological information

Acute toxicity

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapor LC50, mg/L/4hr	Inhalation Dust/Mist LC50, mg/L/4hr	Inhalation Gas LC50, ppm
Product Acute Toxicity Estimates	NA	NA	NA	NA	NA

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapor LC50, mg/L/4hr	Inhalation Dust/Mist LC50, mg/L/4hr	Inhalation Gas LC50, ppm
Aluminium sulfate - (10043-01-3)	6,207.00, Mouse - Category: NA	No data available.	No data available.	No data available.	No data available.

Carcinogen Data

CAS No.	Ingredient	Source	Value
10043-01-3	Aluminium sulfate	IARC	No
		ACGIH	No Established Limit

Classification	Category	Hazard Description
Acute toxicity (oral)	---	Not Applicable
Acute toxicity (dermal)	---	Not Applicable
Acute toxicity (inhalation)	---	Not Applicable
Skin corrosion/irritation	1C	Causes severe skin burns and eye damage.
Serious eye damage/irritation	1	Causes serious eye damage.
Respiratory sensitization	---	Not Applicable
Skin sensitization	---	Not Applicable
Germ cell mutagenicity	---	Not Applicable
Carcinogenicity	---	Not Applicable
Reproductive toxicity	---	Not Applicable

STOT-single exposure	---	Not Applicable
STOT-repeated exposure	---	Not Applicable
Aspiration hazard	---	Not Applicable

Possible routes of entry:
Inhalation, ingestion, skin contact, and skin absorption.

Symptoms and effects, both acute and delayed:
Contact with skin causes severe skin burns. Causes serious eye damage.

Acute Health Effects: the substance causes serious eyes damage and severe burns.

EYE: Contact causes serious eye damage. Causes permanent damage to the cornea, iris, or conjunctiva with redness, pain, swelling, blurred vision, and severe burns (Immediate). No delayed effects from eye contact are expected. No chronic effects from eye contact are known.

SKIN: Causes severe irritation which will progress to chemical burns. Symptoms may include redness, pain, serious skin burns, and blisters. (Immediate). No delayed effects from skin contact are expected. No chronic effects from skin contact are known.

INHALATION: May be corrosive to the respiratory tract. Prolonged exposure may cause irritation of the upper respiratory passages. (Immediate). May cause delayed pulmonary edema. No chronic effects from inhalation are known.

INGESTION: May cause burns or irritation of the linings of the mouth, throat, and gastrointestinal tract (Immediate). No delayed symptoms from ingestion are expected. No chronic effects from ingestion are known.

Indication of Any Immediate Medical Attention and Special Treatment Needed: If exposed or concerned, get medical advice and attention.

Eyes Causes serious eye damage.

Skin Causes severe skin burns and eye damage.

Section 12. Ecological information

Toxicity

No additional information provided for this product. See Section 3 for chemical specific data.

Aquatic Ecotoxicity

Ingredient	96 hr LC50 fish, mg/l	48 hr EC50 crustacea, mg/l	ErC50 algae, mg/l
Aluminium sulfate - (10043-01-3)	186.00, Danio rerio	38.20, Daphnia	No data available.

Persistence and degradability

There is no data available on the preparation itself.

Bioaccumulative potential

No available information

Mobility in soil

No available information

Results of PBT and vPvB assessment

This product contains no PBT/vPvB/vPvM chemicals.

Other adverse effects

No available information

Section 13. Disposal considerations

Waste treatment methods

Dispose of waste material in accordance with all local, regional, federal, provincial, state, territorial and international regulations.

Ecology - Waste Materials: Avoid release to the environment. This material is hazardous to the aquatic environment. Keep out of sewers and waterways.

Additional Information: Container may remain hazardous when empty. Continue to observe all precautions.

Section 14. Transport information



Classification Method: Classified as per Part 2, Sections 2.1-2.8 of the Transportation of Dangerous Goods Regulations.

DOT (Domestic Surface Transportation)	
UN number	UN3264
UN proper shipping name	UN3264,Corrosive liquid, acidic, inorganic, n.o.s. (Contains Aluminum Sulfate),8,III
Transport hazard class(es)	8
Sub Class	Not Applicable
Packing group	III

TDG (Domestic Surface Transportation)	
UN number	UN3264
UN proper shipping name	Corrosive liquid, acidic, inorganic, n.o.s., (contains aluminum sulfate)
Transport hazard class(es)	8

Sub Class	Not Applicable
Packing group	III

IMO / IMDG (Ocean Transportation)	
UN number	UN3264
UN proper shipping name	Corrosive liquid, acidic, inorganic, n.o.s., (contains aluminum sulfate)
Transport hazard class(es)	8
Sub Class	Not Applicable
Packing group	III

ICAO/IATA	
UN number	UN3264
UN proper shipping name	Corrosive liquid, acidic, inorganic, n.o.s., (contains aluminum sulfate)
Transport hazard class(es)	8
Sub Class	Not Applicable
Packing group	III

Environmental hazards
IMDG Marine Pollutant: No;
Special precautions for user
No available information

Section 15. Regulatory information

Regulatory Overview The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.

Toxic Substance Control Act (TSCA) All components of this material are either listed or exempt from listing on the TSCA Inventory.

NFPA Ranking
Health (blue) :3
Fire (red) :0
Reactivity (yellow) :1
Special (white) :ACID



Toxic Substance Control Act (TSCA)

Aluminium sulfate

Water

CERCLA Chemicals and RQs (lbs):

Aluminium sulfate (5,000.00)

EPCRA 302 Extremely Hazardous:

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

EPCRA 313 Toxic Chemicals:

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Canadian Domestic Substance List (DSL):

Aluminium sulfate

Water

Canadian Non-Domestic Substance List (NDSL):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

New Jersey RTK Substances (>1%):

Aluminium sulfate

Pennsylvania RTK Substances (>1%):

Aluminium sulfate

Proposition 65 - Carcinogens (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Developmental Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Female Repro Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Male Repro Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 Label Warning:

This product contains no chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

Chemical Name (CAS Number)	US TSCA	Australia AICS	Korea ECL	EU EINECS	EU ELINCS	EU SVHC	EN NLP	Mexico INSQ
Aluminium sulfate (10043-01-3)	Yes	Yes	Yes	Yes	No	No	No	Yes

Chemical Name (CAS Number)	China IECSC	Japan ENCS	Japan ISHL	Japan PDSCL	Japan PRTR 1	Japan PRTR 2	Philippines PICCS	New Zealand NZIOC
Aluminium sulfate (10043-01-3)	Yes	Yes	No	No	No	No	Yes	Yes

Section 16. Other information

Revision Date 02/12/2026

Revision Number 13.1

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

The full text of the phrases appearing in section 3 is:

H290 May be corrosive to metals.

H314 Causes severe skin burns and eye damage.

H318 Causes serious eye damage.

Disclaimer: The information presented herein is supplied as a guide to those who handle or use this product. Safe work practices must be employed when working with any materials. It is important that the end user makes a determination regarding the adequacy of the safety procedures employed during the use of this product.

End of Document

Section 1. Identification

Product identifier

Product Identity Aluminum Sulfate, Acidized (CHE-5060S)

Other means of identification Not Applicable

Relevant identified uses of the substance or mixture and uses advised against

Municipal and industrial water and wastewater treatment for the removal of turbidity, color, suspended solids and phosphorus. Sludge compaction and volume reduction. Lagoon treatment. Oily wastewater clarification and dissolved air flotation. Emulsion breaking.

Restrictions on use:
Not available

Details of the supplier of the safety data sheet

Company Name

Chemtrade Logistics Inc. (Canada)
155 Gordon Baker Road Suite 300
Toronto, Ontario M2H 3N5
(416) 496-5856

Chemtrade Logistics Inc. (US)
90 East Halsey Road, Suite 200
Parsippany, NJ 07054
(800) 228- 8558

Emergency

24 hour Emergency Telephone No.

Chemtrade Emergency Contact: (866) 416-4404 (US and Canada)
CHEMTREC +1-800-424-9300
For Chemical Emergency, Spill, Leak, Fire, Exposure, or Accident, call CHEMTREC – Day or Night

Customer Service:

For SDS Info: (416) 496-5856
www.chemtradelogistics.com

Section 2. Hazard(s) identification

Classification of the substance or mixture

Metal corrosion;H290	May be corrosive to metals.
Skin corrosion/irritation category 2;H315	Causes skin irritation.

Serious eye damage / eye irritation, category 1;H318	Causes serious eye damage.

Label elements



Danger

H290 May be corrosive to metals.
H315 Causes skin irritation.
H318 Causes serious eye damage.

[Prevention]:
P234 Keep only in original packaging.
P264 Wash thoroughly after handling.
P280 Wear protective gloves, eye protection, and face protection.
[Response]:
P302+352 IF ON SKIN: Wash with plenty of soap and water.
P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER, doctor or physician.
P332+313 If skin irritation occurs: Get medical attention.
P362+364 Take off contaminated clothing and wash it before reuse.
P390 Absorb spillage to prevent material damage.
[Storage]:
P406 Store in a corrosive resistant, container with a resistant inner liner.
[Disposal]:
No GHS disposal statements

Other hazards

This product contains no PBT/vPvB/vPvM chemicals.
This product contains no endocrine disrupting chemicals.
Does NOT contain component(s) that meet a 'definition' of per & poly fluoroalkyl substance (PFAS) per the US EPA PFASMASTER combined list of PFAS chemicals.

Section 3. Composition/information on ingredients

This product contains the following substances that present a hazard within the meaning of the Hazardous Products Regulations.

Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
Aluminium sulfate CAS Number: 10043-01-3 Synonyms: Aluminum sulfate, Aluminum sulfate.	30 - 60	Serious eye damage / eye irritation, category 1;H318 Metal corrosion;H290	No data available
Sulfuric acid CAS Number: 7664-93-9 Synonyms: Sulfuric acid (acid aerosols including mists, vapors, gas, fog, and other airborne forms of any particle size), Sulphuric acid	7 - 13	Skin corrosion/irritation category 1A;H314: C ≥ 15 % Skin corrosion/irritation category 2;H315: 5 % ≤ C < 15 % Serious eye damage / eye irritation, category 2;H319: 5 % ≤ C < 15 % Metal corrosion;H290 > 1%	No data available

The actual concentration or concentration range is withheld as a trade secret.
*PBT/vPvB - PBT, vPvM or vPvB-substance.
The full texts of the phrases are shown in Section 16.

The specific chemical identity and/or exact percentage of composition are withheld as a trade secret within the meaning of the OSHA Hazard Communication Standard [29 CFR 1910.1200].

Section 4. First aid measures

Description of first aid measures

General In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

Inhalation Remove to fresh air, keep patient warm and at rest. If unconscious, place in the recovery position and obtain immediate medical attention. Give nothing by mouth.

Eyes Irrigate copiously with clean water for at least 30 minutes, holding the eyelids apart and seek medical attention. Remove contact lenses, if present and easy to do. Continue rinsing.

Skin Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser. Drench affected area with water for at least 30 minutes. Obtain medical attention if irritation develops or persists.

Ingestion Do NOT induce vomiting. Rinse mouth and slowly drink several glasses of water. Call a physician. Do NOT give anything by mouth to an unconscious or convulsing person.

Most important symptoms and effects, both acute and delayed

Overview Contact with eyes causes serious eye damage. Contact with the skin causes irritation.

Acute Health Effects : the substance causes serious eyes damage and is irritating to the skin.

EYE: Contact causes serious eye damage. Causes permanent damage to the cornea, iris, or conjunctiva. (IMMEDIATE)
SKIN: Causes skin irritation (IMMMEDIATE).
INHALATION: May be corrosive to the respiratory tract. (IMMEDIATE) Prolonged exposure may cause irritation of the upper respiratory passages.
INGESTION: May cause burns or irritation of the linings of the mouth, throat, and gastrointestinal tract. (IMMEDIATE)

Indication of Any Immediate Medical Attention and Special Treatment Needed: If exposed or concerned, get medical advice and attention.
See section 2 for further details.

Eyes	Causes serious eye damage.
Skin	Causes skin irritation.
Chronic effects	Not available, none known.

Section 5. Fire-fighting measures

Extinguishing media

Suitable Extinguishing Media: Water spray, dry chemical, foam, carbon dioxide.

Unsuitable extinguishing media: Do not use water jet, or heavy water stream. Use of heavy stream of water may spread fire.

Special hazards arising from the substance or mixture

Hazardous decomposition: Oxides of sulfur at high temperatures. Hazardous gases may evolve on contact with chemicals such as cyanides, sulfides, and carbides.

Keep only in original packaging.

Advice for fire-fighters

As with all fires, wear positive pressure, self-contained breathing apparatus, (SCBA) with a full-face piece and protective clothing. Persons without respiratory protection should leave area. Wear SCBA during clean up immediately after fire. No smoking.

Fire Hazard: Product is not flammable but may burn at high temperatures.

Hazardous Combustion Products: Oxides of aluminum. Sulfur oxides. Carbon oxides (CO, CO_2). Nitrogen oxides. Hydrogen chloride, hydrogen cyanide.

Explosion Hazard: Product is not explosive. Contact with metallic substances may release flammable hydrogen gas.

Firefighting Instructions: Do not enter fire area without proper protective equipment, including respiratory protection. Use water spray or fog for cooling exposed containers. Remove containers from fire area if this can be done without risk. **Exercise caution when fighting any chemical fire.**

Hazardous reactions will not occur under normal conditions.

Other Information: Do not allow run-off from fire fighting to enter drains or water courses.

ERG Guide No. 154

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

General Measures: Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid contact with eyes, skin and clothing. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment. See Section 8.

Use only outdoors or in a well-ventilated area. Do not breathe mist, spray, and vapours.

Do not get in eyes, on skin, or on clothing. Use appropriate personal protection equipment (PPE). Wear protective gloves, eye protection, face protection (refer to section 8 for more details).

Use good personal hygiene practices. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Promptly remove soiled clothing and wash thoroughly before reuse.

Environmental precautions

Prevent entry to sewers and public waters. Avoid release to environment.

See Section 8 for exposure controls and personal protection and Section 13 for disposal considerations.

Methods and material for containment and cleaning up

Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit.

Ventilate area.

Contain, dilute cautiously with water, and neutralize with soda ash or lime.

Containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. As an immediate precautionary measure, isolate spill or leak area in all directions. Ventilate area.

Equip cleanup crew with proper protection.

Section 7. Handling and storage

Precautions for safe handling

Handle containers carefully to prevent damage and spillage.

Do not add water to contents while in container because of violent reaction. Always add slowly and in small amounts. Never use hot water. Never add water to acids-always add acids to water..

See section 2 for further details. - [Prevention]:

Conditions for safe storage, including any incompatibilities

Store between -5C and 40C.

Comply with applicable regulations.

Incompatible materials: Acids react with most metals to release hydrogen gas which can form explosive mixtures in air. Water, alkaline solutions, metals, metal powder, carbides, chlorates, fuminates, nitrates,

picrates, strong oxidizers, reducers, or combustible organics.
Hazardous gases may evolve on contact with chemicals such as cyanides, sulfides, and carbides.
May be corrosive to metals. May release corrosive vapors.
See section 2 for further details. - [Storage]:

Specific end use(s)

Municipal and industrial water and wastewater treatment for the removal of turbidity, color, suspended solids and phosphorus. Sludge compaction and volume reduction. Lagoon treatment. Oily wastewater clarification and dissolved air flotation. Emulsion breaking.

Restrictions on use:

Not available

Section 8. Exposure controls / personal protection

Control parameters

Exposure Limits

CAS No.	Ingredient	Source	Value
7664-93-9	Sulfuric acid	ACGIH	0.2 mg/m³ (T) Thoracic Fraction
		OSHA	1 mg/m³
		NIOSH	TWA 1 mg/m³
		Alberta	1 mg/m³ TWA 3 mg/m³ STEL
		British Columbia	0.2 mg/m³ TWA (contained in strong inorganic acid mists, thoracic)
		Manitoba	0.2 mg/m³ TWA (thoracic particulate matter)
		New Brunswick	1 mg/m³ TWA 3 mg/m³ STEL
		Newfoundland and Labrador	0.2 mg/m³ TWA (thoracic particulate matter)
		Nova Scotia	0.2 mg/m³ TWA (thoracic particulate matter)
		Northwest Territories	0.2 mg/m³ TWA (thoracic fraction, strong acid mists only) 0.6 mg/m³ STEL (thoracic fraction, strong acid mists only)
		Nunavut	0.2 mg/m³ TWA (thoracic fraction) 0.6 mg/m³ STEL (thoracic fraction)
		Ontario	0.2 mg/m³ TWA (thoracic)
		Prince Edward Island	0.2 mg/m³ TWA (thoracic particulate matter)
		Quebec	1 mg/m³ TWAEV 3 mg/m³ STEV
		Saskatchewan	0.2 mg/m³ TWA (thoracic fraction) 0.6 mg/m³ STEL (thoracic fraction)
		Yukon	1 mg/m³ TWA 1 mg/m³ STEL
10043-01-3	Aluminium sulfate	ACGIH	No Established Limit
		OSHA	No Established Limit
		NIOSH	TWA 2 mg/m³
		Alberta	No Established Limit
		British Columbia	No Established Limit
		Manitoba	No Established Limit
		New Brunswick	No Established Limit
		Newfoundland and Labrador	No Established Limit
		Nova Scotia	No Established Limit

		Northwest Territories	No Established Limit
		Nunavut	No Established Limit
		Ontario	No Established Limit
		Prince Edward Island	No Established Limit
		Quebec	No Established Limit
		Saskatchewan	No Established Limit
		Yukon	No Established Limit

Exposure controls

Respiratory If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn. In case of inadequate ventilation, oxygen deficient atmosphere, or where exposure levels are not known wear approved respiratory protection.

Eyes Chemical safety goggles and face shield.

Skin Wear chemical resistant gloves: Poly vinyl chloride (PVC), nitrile, viton™ (a trademark of the Chemours company), butyl or butyl rubber. Avoid skin contact. Wear protective gloves. Wear suitable protective clothing.
Materials for Protective Clothing: Chemically resistant materials and fabrics.

Engineering Controls **Exposure Controls Appropriate Engineering Controls:** Emergency eyewash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed.

Other Work Practices Put on appropriate personal protective equipment. Chemically compatible gloves, protective clothing, and chemical resistant safety goggles and face shield. If insufficient ventilation: wear respiratory protection.
When line breaking and where there is higher exposure potential, additional protective clothing may be required. A site-specific PPE hazard assessment is recommended and should be reviewed for any additional requirements that may be needed for specific tasks.
Use only outdoors or in a well-ventilated area. Do not breathe mist, spray, and vapours.
Do not get in eyes, on skin, or on clothing. Use appropriate personal protection equipment (PPE). Wear protective gloves, eye protection, face protection (refer to section 8 for more details).
Use good personal hygiene practices. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Promptly remove soiled clothing and wash thoroughly before reuse.

See section 2 for further details.

Section 9. Physical and chemical properties

Information on basic physical and chemical properties

Physical State	Liquid
Color	clear, amber to light blue-green colored
Odor	Odorless
Odor threshold	No available information
Melting point / freezing point	<-18°C (< 0°F)
Initial boiling point and boiling range	No available information
Flammability (solid, gas)	Not Applicable
Upper/lower flammability or explosive limits	Lower Explosive Limit: No available information
	Upper Explosive Limit: No available information
Flash Point	No available information
Auto-ignition temperature	No available information
Decomposition temperature	No available information
pH	<1
Viscosity (cSt)	No available information
Solubility in Water	Completely Soluble in water.
Partition coefficient n-octanol/water (Log Kow)	No available information
Vapour pressure (Pa)	No available information
Relative Density	No available information
Vapour Density	No available information
Evaporation rate (Ether = 1)	No available information
	1.25 - 1.28

Other information

No other relevant information.

Section 10. Stability and reactivity

Reactivity

Corrosive to metals. Contact with metals may evolve flammable hydrogen gas.

Chemical stability

Stable under recommended handling and storage conditions (see section 7).

Possibility of hazardous reactions

Reacts with some bases.

Conditions to avoid

Direct sunlight, extremely high or low temperatures, and incompatible materials.

Incompatible materials

Acids react with most metals to release hydrogen gas which can form explosive mixtures in air. Water, alkaline solutions, metals, metal powder, carbides, chlorates, fuminates, nitrates, picrates, strong oxidizers, reducers, or combustible organics.

Hazardous gases may evolve on contact with chemicals such as cyanides, sulfides, and carbides.

Hazardous decomposition products

Oxides of sulfur at high temperatures. Hazardous gases may evolve on contact with chemicals such as cyanides, sulfides, and carbides.

Section 11. Toxicological information

Acute toxicity

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapor LC50, mg/L/4hr	Inhalation Dust/Mist LC50, mg/L/4hr	Inhalation Gas LC50, ppm
Product Acute Toxicity Estimates	NA	NA	NA	NA	NA

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapor LC50, mg/L/4hr	Inhalation Dust/Mist LC50, mg/L/4hr	Inhalation Gas LC50, ppm
Aluminium sulfate - (10043-01-3)	6,207.00, Mouse - Category: NA	No data available.	No data available.	No data available.	No data available.
Sulfuric acid - (7664-93-9)	No data available.	No data available.	No data available.	No data available.	No data available.

Carcinogen Data

CAS No.	Ingredient	Source	Value
7664-93-9	Sulfuric acid	IARC	Group 1
		ACGIH	A2 (in strong inorganic acid mists)
10043-01-3	Aluminium sulfate	IARC	No
		ACGIH	No Established Limit

Classification	Category	Hazard Description
Acute toxicity (oral)	---	Not Applicable
Acute toxicity (dermal)	---	Not Applicable
Acute toxicity (inhalation)	---	Not Applicable
Skin corrosion/irritation	2	Causes skin irritation.
Serious eye damage/irritation	1	Causes serious eye damage.

Respiratory sensitization	---	Not Applicable
Skin sensitization	---	Not Applicable
Germ cell mutagenicity	---	Not Applicable
Carcinogenicity	---	Not Applicable
Reproductive toxicity	---	Not Applicable
STOT-single exposure	---	Not Applicable
STOT-repeated exposure	---	Not Applicable
Aspiration hazard	---	Not Applicable

Possible routes of entry:
Inhalation, ingestion, skin contact, and skin absorption.

Symptoms and effects, both acute and delayed:
Contact with eyes causes serious eye damage. Contact with the skin causes irritation.
Acute Health Effects : the substance causes serious eyes damage and is irritating to the skin.
EYE: Contact causes serious eye damage. Causes permanent damage to the cornea, iris, or conjunctiva. (IMMEDIATE)
SKIN: Causes skin irritation (IMMMEDIATE).
INHALATION: May be corrosive to the respiratory tract. (IMMEDIATE) Prolonged exposure may cause irritation of the upper respiratory passages.
INGESTION: May cause burns or irritation of the linings of the mouth, throat, and gastrointestinal tract. (IMMEDIATE)

Indication of Any Immediate Medical Attention and Special Treatment Needed: If exposed or concerned, get medical advice and attention.

Eyes Causes serious eye damage.
Skin Causes skin irritation.
Chronic effects Not available, none known.

Section 12. Ecological information

Toxicity
No additional information provided for this product. See Section 3 for chemical specific data.

Aquatic Ecotoxicity

Ingredient	96 hr LC50 fish, mg/l	48 hr EC50 crustacea, mg/l	ErC50 algae, mg/l
Aluminium sulfate - (10043-01-3)	186.00, Danio rerio	38.20, Daphnia	No data available.
Sulfuric acid - (7664-93-9)	27.00, Lepomis macrochirus	100.00, Desmodesmus subspicatus	100.00, Desmodesmus subspicatus

Persistence and degradability
There is no data available on the preparation itself.
Bioaccumulative potential
No available information
Mobility in soil
No available information
Results of PBT and vPvB assessment
This product contains no PBT/vPvB/vPvM chemicals.
Other adverse effects
No available information

Section 13. Disposal considerations

Waste treatment methods
Dispose of waste material in accordance with all local, regional, federal, provincial, state, territorial and international regulations.
Ecology - Waste Materials: Avoid release to the environment. This material is hazardous to the aquatic environment. Keep out of sewers and waterways.
Additional Information: Container may remain hazardous when empty. Continue to observe all precautions.

Section 14. Transport information

DOT (Domestic Surface Transportation):This product is excepted from HM regulation when transported in compliance with 49CFR 173.154(d).
Materials corrosive to aluminum or steel only. Except for a hazardous substance, a hazardous waste, or a marine pollutant, a material classed as a Class 8, Packing Group III, material solely because of its corrosive effect.
(1) On aluminum is not subject to any other requirements of this subchapter when transported by motor vehicle or rail car in a packaging constructed of materials that will not react dangerously with or be degraded by the corrosive material; or
(2) On steel is not subject to any other requirements of this subchapter when transported by motor vehicle or rail car in a bulk packaging constructed of materials that will not react dangerously with or be degraded by the corrosive material.



Classification Method: Classified as per Part 2, Sections 2.1-2.8 of the Transportation of Dangerous Goods Regulations.

DOT (Domestic Surface Transportation)	
UN number	UN3264
UN proper shipping name	UN3264,Corrosive liquid, acidic, inorganic, n.o.s. (Contains Aluminum Sulfate, Sulfuric Acid),8,III
Transport hazard class(es)	8
Sub Class	Not Applicable
Packing group	III

TDG (Domestic Surface Transportation)	
UN number	UN3264
UN proper shipping name	Corrosive liquid, acidic, inorganic, n.o.s. (Contains Aluminum Sulfate, Sulfuric Acid)
Transport hazard class(es)	8
Sub Class	Not Applicable
Packing group	III

IMO / IMDG (Ocean Transportation)	
UN number	UN3264
UN proper shipping name	Corrosive liquid, acidic, inorganic, n.o.s. (Contains Aluminum Sulfate, Sulfuric Acid)
Transport hazard class(es)	8
Sub Class	Not Applicable
Packing group	III

ICAO/IATA	
UN number	UN3264
UN proper shipping name	Corrosive liquid, acidic, inorganic, n.o.s. (Contains Aluminum Sulfate, Sulfuric Acid)
Transport hazard class(es)	8
Sub Class	Not Applicable
Packing group	III

Environmental hazards

IMDG Marine Pollutant: No;

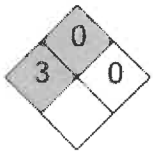
Special precautions for user
No available information

Section 15. Regulatory information

Regulatory Overview The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.

Toxic Substance Control Act (TSCA) All components of this material are either listed or exempt from listing on the TSCA Inventory.

NFPA Ranking
Health (blue) :3
Fire (red) :0
Reactivity (yellow) :0
Special (white) :--



Note: Strong inorganic acid mists containing sulfuric acid are listed on the California Proposition 65 Carcinogen List. [Sulfuric acid, in and of itself, is not listed under Proposition 65. However, if one has sulfuric acid, which through its intended use generates an acid mist that in turn contains sulfuric acid that would meet the listing. The term "strong" does not refer to the concentration of the acid, but rather the strength of the acid. The basis for the listing of strong inorganic acid mists containing sulfuric acid was the formal identification by the National Toxicology Program (NTP), in its Ninth Report on Carcinogens, that this chemical mixture is "known to be a human carcinogen." (Public notice available at http://www.oehha.ca.gov/prop65/CRNR_notices/admin_listing/intent_to_list/noil19b4.html.)]

Toxic Substance Control Act (TSCA)

Aluminium sulfate
Sulfuric acid
Water

CERCLA Chemicals and RQs (lbs):

Aluminium sulfate (5,000.00)
Sulfuric acid (1,000.00)

EPCRA 302 Extremely Hazardous:

Sulfuric acid

EPCRA 313 Toxic Chemicals:

Sulfuric acid

Canadian Domestic Substance List (DSL):

Aluminium sulfate
Sulfuric acid
Water

Canadian Non-Domestic Substance List (NDSL):
To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

New Jersey RTK Substances (>1%):

Aluminium sulfate
Sulfuric acid

Pennsylvania RTK Substances (>1%):

Aluminium sulfate
Sulfuric acid

Proposition 65 - Carcinogens (>0.0%):

Sulfuric acid

Proposition 65 - Developmental Toxins (>0.0%):
To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Female Repro Toxins (>0.0%):
To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Male Repro Toxins (>0.0%):
To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 Label Warning:


WARNING: This product can expose you to chemicals including [Sulfuric acid], which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

Note: Strong inorganic acid mists containing sulfuric acid are listed on the California Proposition 65 Carcinogen List. [Sulfuric acid, in and of itself, is not listed under Proposition 65. However, if one has sulfuric acid, which through its intended use generates an acid mist that in turn contains sulfuric acid that would meet the listing. The term "strong" does not refer to the concentration of the acid, but rather the strength of the acid. The basis for the listing of strong inorganic acid mists containing sulfuric acid was the formal identification by the National Toxicology Program (NTP), in its Ninth Report on Carcinogens, that this chemical mixture is "known to be a human carcinogen." (Public notice available at http://www.oehha.ca.gov/prop65/CRNR_notices/admin_listing/intent_to_list/noil19b4.html.)]

Chemical Name (CAS Number)	US TSCA	Australia AICS	Korea ECL	EU EINECS	EU ELINCS	EU SVHC	EN NLP	Mexico INSQ
Aluminium sulfate (10043-01-3)	Yes	Yes	Yes	Yes	No	No	No	Yes
Sulfuric acid (7664-93-9)	Yes	Yes	Yes	Yes	No	No	No	Yes

Chemical Name (CAS Number)	China IECSC	Japan ENCS	Japan ISHL	Japan PDSCL	Japan PRTR 1	Japan PRTR 2	Philippines PICCS	New Zealand NZIOC
Aluminium sulfate (10043-01-3)	Yes	Yes	No	No	No	No	Yes	Yes
Sulfuric acid (7664-93-9)	Yes	Yes	Yes	Yes	No	No	Yes	Yes

Section 16. Other information

Revision Date 11/03/2025

Revision Number 7

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

The full text of the phrases appearing in section 3 is:

H290 May be corrosive to metals.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

Disclaimer: The information presented herein is supplied as a guide to those who handle or use this product. Safe work practices must be employed when working with any materials. It is important that the end user makes a determination regarding the adequacy of the safety procedures employed during the use of this product.

End of Document

Water Chemicals Group
90 East Halsey Road
Parsippany, NJ 07054
Tel: 973-515-0900
Fax: 973-515-4461

Bay Area Chemical Consortium
Bid Number: 01-2026 - Liquid Aluminum Sulfate
Opening: February 19, 2026 @ 4:00 p.m.

MANUFACTURING & SHIPPING INFORMATION:

Please note that the products included in this bid are manufactured in the United States of America. Chemtrade Chemicals will be manufacturing and shipping this material from our USA plant. Please see below for the exact address:

Bay Point Works
501 Nicholas Road
Pittsburg, CA 94565

Ph: (925) 458-7300
Fax: (925) 458-7352

If you have any questions or concerns, please feel free to contact me.

Sincerely,

Elizabeth Ryno

Elizabeth Ryno
Bid Specialist
Ph: (973) 515-1858
bids@ChemtradeLogistics.com

Water Chemicals Group
90 East Halsey Road
Parsippany, NJ 07054
Tel: 800-441-2659
Fax: 973-515-4461
www.chemtradelogistics.com

Bay Area Chemical Consortium
Bid Number: 01-2026 Liquid Aluminum Sulfate
Opening: February 19, 2026 @ 4:00 p.m.

SUBCONTRACTOR UTILIZATION

Please note that Chemtrade Chemical's Liquid Aluminum Sulfate manufacturing plant located in Pittsburg, CA. Products are typically shipped through our third-party carrier. Their information is as follows:

Chemical Transfer
1033 Stokes Avenue
Stockton, CA 95215
Phone: (209) 943-2639

Chemical Transfer has a long-standing relationship with Chemtrade Chemicals and meets all of our security and safety standards and due diligence in performing personnel background checks is in compliance. We further certify that this 3rd party carrier can haul and deliver the required chemicals to every participating BACC Agency.

Should you have any questions or concerns, please feel free to contact me.

Sincerely,

Elizabeth Ryno

Elizabeth Ryno
Bid Specialist
Phone: (973) 515-1858
Email: bids@ChemtradeLogistics.com

BAY AREA CHEMICAL CONSORTIUM

REQUEST FOR BIDS
BID NO. 01-2026

FOR SUPPLY AND DELIVERY OF ALUMINUM SULFATE

BID DUE DATE: 4:00 P.M. PT, Thursday, February 19, 2026
BID OPENING DATE: 4:00 P.M. PT, Thursday, February 19, 2026

Coordinating Agency:
Bay Area Clean Water Agencies

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NOTICE INVITING SEALED BIDS
FOR SUPPLY AND DELIVERY OF ALUMINUM SULFATE
BAY AREA CHEMICAL CONSORTIUM (BACC)
BID NO. 01-2026

The Bay Area Chemical Consortium (BACC), a cooperative group of public agencies, is seeking competitive sealed bids for the supply and delivery of ALUMINUM SULFATE. All sealed bids to be considered for this solicitation must be received via our electronic bid platform https://bacwa.org/about-bacc/ by **4:00 P.M. PT, Thursday, February 19, 2026.** Bids received after said date and time will not be considered under any circumstances. Bids submitted by mail or by facsimile will not be accepted. BACC and its member agencies reserves the right to reject any and all bids and to waive informalities and immaterial irregularities or technical defects in the bids received.

For additional information or any questions concerning this bid, use the public Q&A Forum in our electronic bid system.

SECTION I

BAY AREA CHEMICAL CONSORTIUM
GENERAL
FOR BID NO. 01-2026
ALUMINUM SULFATE

BAY AREA CHEMICAL CONSORTIUM
REQUEST FOR BIDS
FOR SUPPLY AND DELIVERY OF ALUMINUM SULFATE
BID NO. 01-2026

Sealed bids will only be received electronically via our electronic bid platform https://bacwa.org/about-bacc/
no later than **4:00 P.M. PT, Thursday February 19, 2026**.

1. GENERAL PROVISIONS

The Bay Area Chemical Consortium (BACC) is a cooperative group of public agencies each individually established under the laws of the State of California. For this particular bid solicitation, the participating member agencies include those listed in Section III-1, Estimated Annual Quantities. These participating BACC agencies, acting collectively through their authorized agents, are seeking competitive sealed bids for the supply and delivery of ALUMINUM SULFATE.

Sealed bids will only be received electronically via our electronic bid platform https://bacwa.org/about-bacc/
no later than 4:00 P.M. PT, Thursday February 19, 2026. Bids received after said date and time will not be considered under any circumstances.

BACC and its member agencies reserves the right to reject any and all bids and to waive informalities and immaterial irregularities or technical defects in the bids received.

If you have any questions regarding this bid, please contact the BACC Coordinators via the electronic bid platform https://bacwa.org/about-bacc/ Q&A forum. Preliminary bid results will be available via our electronic bid platform shortly after the opening date and time.

2. INSTRUCTIONS TO BIDDERS

To receive consideration, bids must be made in accordance with the following instructions:

2.1 Bid Contract Documents
Bids must be submitted only using the forms provided in Section IV, Bid Contract Documents that includes the following: **Bid Form**, **Standard Agreement**, and **Non-Collusion Affidavit**, collectively, the bid contract documents. Bidder must submit bids price per unit of measure as specified via the electronic bid platform https://bacwa.org/about-bacc/. Do not submit the Worksheet. Bid prices submitted on Worksheet will NOT be accepted. All items in the bid contract documents must be filled out completely, signed and dated. The bid contract documents may be rejected if they show any omissions, alterations of form, the addition

of information not requested, a conditional bid, or irregularities of any kind. A complete bid submittal must include all of the following components of the bid contract documents:

- A completed and signed **Bid Form**, including all the attachments requested;
- A fully executed **Standard Agreement**, including references and acknowledgement of receiving any and all addenda, with any deviations duly noted;
- A fully executed **Non-collusion Affidavit**.
- The information required by Section 2.21 as referenced in the Bid Form.
- Name and address of any Third Party Hauler as required by Section 2.5 and the Bid Form, as well as the affidavit referenced in the Bid Form.

Bidder must submit bids price per unit of measure as specified via the electronic bid platform https://bacwa.org/about-bacc/ (Line Items section).

2.2 Estimated Quantity

The quantities indicated are estimates of anticipated usage for a 12-month period and are given for informational purposes only. Nothing in these estimated annual quantities must be construed as obligating any participating BACC agency to purchase specific quantities, as these quantities may vary depending on actual operating conditions and demands during the contract term. All participating BACC agencies reserve the right to purchase any volume of the chemical listed, at the contract price, regardless of stated estimates of quantities. No price adjustments will be allowed as a result of an increase or a decrease in the quantity purchased. For this particular bid solicitation, the estimated annual chemical quantity of each participating member agencies is listed in Section III-1, Estimated Annual Quantities.

2.3 Delivery Locations

The participating BACC agencies are grouped according to their location by relative geographic region. The bidder must quote uniform bid prices for deliveries made to each of the distinct geographic regions. For this particular bid solicitation, the distinct geographic regions for each agency are defined in Section III-1, Estimated Annual Quantities, as well as in Section III-2, Delivery Details.

2.4 Bid Pricing

All bids submitted must include a base unit price, FOB destination, for the chemical for each geographic region per paragraph 2.3 Delivery Locations. Base unit price should NOT include tariffs. Bidders shall provide bid prices via the electronic bid platform https://bacwa.org/about-bacc/ including all costs associated with providing and delivering the chemical to the agency's facility, including materials, labor, equipment, transportation, insurance, overhead, profit, and all applicable taxes except sales tax in effect at the time of delivery. Bids qualified by additional or conditional charges such CPI, escalators, fuel surcharges, or transportation charges between the supplier and the final delivery points will not be allowed.

BACC agencies that use a chemical for treating water for resale may be exempt from paying sales tax, and it will be the responsibility of each BACC agency to notify the successful bidder if some or all of their purchases will be exempt from sales tax per paragraph 3.6 Taxes.

Bid prices must be based on bulk deliveries amount as specified via the electronic bid platform https://bacwa.org/about-bacc/ **.** Bids that do not include unit prices for bulk deliveries to each geographic region specified on the electronic bid platform will be considered irregular and, at the option of BACC and the participating BACC agencies, may be eliminated from further consideration. For bulk deliveries of less than this specified amount, the bidder may, at their option, assess additional charges for "short loads" unless specific requirements for smaller deliveries are described in paragraph 3.7 Delivery Requirements. Any additional "short load" charges must be shown by the bidder as a specific deviation on the bid contract documents. Bidders and/or third party haulers will not be allowed to refuse to make "short load" deliveries.

Any optional item will be shown as a separate line item in the electronic bid platform https://bacwa.org/about-bacc/ and bidders may, at their option, submit unit prices for the optional item. Bids that do not include unit prices for optional item will not be considered irregular and therefore such bids will not be rejected for that reason.

If participating BACC agencies require non-bulk deliveries in containers such as buckets, barrels, or totes, it will be shown as a separate line item in the electronic bid platform https://bacwa.org/about-bacc/ . Bidders may, at their option, submit unit prices for deliveries in buckets, barrels, or totes. Bids that do not include unit prices for buckets, barrels, or totes will not be considered irregular and therefore such bids will not be rejected for that reason. If none of the participating BACC agencies require non-bulk deliveries in containers such as buckets, barrels, or totes, the electronic bid platform https://bacwa.org/about-bacc/ will not include spaces to enter bid prices for such non-bulk deliveries in containers such as buckets, barrels, or totes, however, if a participating BACC agency later decides that they need deliveries in containers, bidders may, at their option, negotiate with the BACC agency to determine a price for deliveries in containers such as buckets, barrels, or totes.

2.5 Bidder Qualifications

A qualified bidder is one determined by BACC and the participating BACC agencies to meet standards of business competence, reputation, financial ability, and product quality. A responsive bidder is a firm/person who has submitted a bid that conforms in all material respects to the terms and conditions, the specifications of the chemical, and any other requirement of the bid instructions. A responsible bidder is a firm/person who has the capability in all aspects to perform full contract requirements, and who has the integrity and reliability that will assure good faith and specific performance. Bidders that intend to utilize a third-party hauling company for completing some or all of their deliveries must indicate the name and contact information of the third-party hauling company on the Bid Form. Before submitting a bid, the bidder must carefully examine and read all parts of the bid contract documents and be fully informed as to all existing conditions and limitations. It should be noted that, upon selection and approval of the successful bidder, the entire contents of the bid contract documents will become part of the full contract

between the participating BACC agency and successful bidder (see paragraph 3.5 Purchase Orders / Contracts).

2.6 Authorized Signatory of Bid Contract Documents

The person signing the submitted bid must be fully authorized to represent and legally bind the bidding company to the terms and conditions described herein. A corporate officer must sign bids by corporations in the corporate name. The State of incorporation must be written in below the corporate name. Bids by partnerships must be signed in the partnership's name and signed by a partner with his/her title shown.

2.7 References

The bidder must submit with the bid a list of a minimum of three references that have purchased similar chemicals and services from the bidder. The bidder must provide the company or agency name, contact name, and telephone number for each reference. Whenever possible, bidders should provide references for customers from the same geographic regions as the participating BACC agencies. Bidders may provide references from BACC agencies. These references must be shown on the Standard Agreement contained herein.

2.8 Bid Submittal

Electronic bids will only be received via the electronic bid platform https://bacwa.org/about-bacc/ **by no later than 4:00 P.M. PT, Thursday, February 19, 2026**. Electronic bids shall contain all required attachments and information. Bidders must submit bids price per unit of measure as specified via the electronic bid platform https://bacwa.org/about-bacc/ (Line Item section). Bidders are cautioned that failure to comply may result in non-acceptance of the bid. Bids received after said date and time will not be considered under any circumstances. BACC will not be responsible for any delays or transmission errors. Bidder accepts all risks of late delivery of electronic bids. It is the bidder's responsibility to ensure that bid submitted is received by the electronic bid platform https://bacwa.org/about-bacc/ prior to scheduled bid opening. Any attachment will remain sealed and will not be opened until the appointed bid opening date and time. Bidders not receiving confirmation receipt should contact the electronic bid platform vendor https://bacwa.org/about-bacc/ to make sure that their electronic submittal has gone through.

2.9 Modification, Addenda, and Interpretations

Any explanation desired by the bidders regarding the meaning or interpretation of this particular bid solicitation including the bid contract documents must be requested via the electronic bid platform Q&A Forum at least five (5) business days prior to the time set for the bid opening. Any and all such interpretations or modifications must be in the form of a written request to the BACC Coordinator via the electronic bid platform Q&A Forum. All changes to this particular bid solicitation document including the bid contract documents initiated by the BACC Coordinator will be through written addenda and furnished to all bidders via the electronic bid platform. Addendum will be issued no later than 72 hours before bid opening. Any written addendum issued 72 hours before the date and time of the bid opening will become a part of the bid contract documents and must be acknowledged on the Standard Agreement form that

each bidder submits. Failure to acknowledge any and all the addendum(s) on the Standard Agreement form may be cause for rejection of the bid.

2.10 Modification of Bids

A bidder may modify their bid via the electronic bid platform prior to the date and time of the bid opening. Modifications of any bid prices, terms and conditions must be electronically submitted via the electronic bid platform prior to the time of the bid opening. It shall be the responsibility of the respective bidder to determine if their written modification was received in time by electronic bid platform. BACC reserves the right to accept or reject any proposed modifications of the bid terms and conditions.

2.11 Withdrawal of Bids

Any bid may be withdrawn any time prior to the stated bid opening date and time (closing time) only via the electronic bid platform. The withdrawal request must be executed by the bidder or a duly authorized representative. The withdrawal of the bid does not prejudice the right of the bidder to file a new bid prior to the bid closing time. No bids may be withdrawn after the bid opening date and time.

2.12 Proposed Deviations from the Specifications by the Bidder

Any deviation from the specifications described herein or in a written addendum that is proposed by a bidder must be noted in detail on the Standard Agreement form, and a copy of the proposed specification must be attached to the Standard Agreement form at the time of submission. The absence of a proposed change in the specifications will hold the bidder strictly accountable to the specifications as described herein. If proposed deviations from the specifications are submitted, the bidder's name should be clearly shown on each document. Each BACC agency will be responsible for individually accepting or rejecting any proposed deviations from the described specifications.

2.13 Competency of Bidders

Before any contract is awarded, the bidder may be required to furnish a complete statement of financial ability and experience in performing the proposed services. In accordance with the provisions of the California Business and Professions Code and other regulations, the bidder must have and maintain current any and all necessary licenses or certificates.

2.14 Rejection of Bids

The BACC and/or its individual agencies reserves the right to reject any and all bids and reserves the right to waive a bid deficiency or reject a bid for any reason, including but not limited to the following: informalities, nonconforming, non-responsive or conditional bids, bids showing any alterations of form or erasures or irregularities of any kind, additional information not requested, incomplete bids, or bids not conforming with the instructions in any way. Bidders that plan to utilize a third-party hauling company that refused to deliver to one or more of the participating agencies in the past three (3) years will be rejected as non-responsive.

2.15 Opening Bids

A preliminary bid results showing apparent lowest bid will be available on the electronic bid platform shortly after the bid opening date / time.

2.16 Method of Award

Bids may be awarded to the lowest responsive and responsible bidder meeting the specifications for bulk loads for the chemical. The lowest responsive bidder will be determined by multiplying the estimated annual quantity for each participating BACC agency by the bid price for their region and adding up the aggregate cost to all of the participating agencies in the regions. The single bid that results in the lowest overall cost to the participating agencies as a group will be determined by BACC to be the low bid, assuming the bid is determined by BACC to be complete and in compliance with the bid requirements. BACC has the right to delete terms or options from the bid contract documents and reserves the right to reject any and all bids and to waive irregularities in said bids. The following is a non-exhaustive list of criteria that BACC may, in its sole discretion, consider in award of the bid:

a. Unit cost of the chemical
b. Product specifications
c. Warranties or standards of quality
d. Capabilities to deliver product throughout the contract term
e. Bidder's reputation, competency, and previous customer service record
f. Third party hauling company's reputation, competency, and previous customer service record (if applicable)
g. Fully executed non-collusion affidavit

2.17 Disqualification of Duplicate or Collusive Bidders

More than one bid proposal from an individual, a firm or partnership, a corporation or an association under the same or different names will not be considered. Reasonable grounds for believing that any bidder is interested in more than one bid for the bid contemplated will cause rejection of all bids in which such bidder is interested. If there is reason for believing that collusion exists among the bidders, any and all bids may be rejected. Bidders must execute and submit with their bid the Non-Collusion Affidavit included in the bid document.

2.18 Identical Bids

In the case of tied or identical bids corresponding to the proposed unit costs, BACC reserves the right to award the bid based on additional criteria. If a tied bid is not rejected for any reason as described in paragraph 2.16 Method of Award, then any additional costs described in the "Specific Deviations" such as short load adders, will be used to determine the lowest responsive bidder. If considering additional costs as described in the "Specific Deviations" still doesn't produce a winning bidder (i.e. if the tied bidders quote identical short load adder prices), then any exceptions or conditions described in the "Specific Deviations" will be considered in an effort to determine the lowest responsive bidder. If the latter still fails to produce a winning bidder, then BACC will draw lots by placing the names of the tied bidders in a hat

and drawing a name. If drawing lots is deemed necessary, BACC will schedule a time to draw lots and the tied bidders will be invited to attend and witness the drawing.

2.19 Material Warranty

Before the bid is awarded and, if applicable, the bidder may be required to furnish a complete statement of the origin, composition and manufacture of any or all chemicals to be supplied, together with samples. The samples may be subjected to tests to determine their quality and fitness for the intended uses.

2.20 Bid Summary

Bid proposals will be summarized and reviewed with the BACC agencies following the bid opening. Bid summaries or tabulations will also be provided to the responsive bidders within ten (10) business days following the bid opening. After a careful review of the bids by each of the participating BACC agencies, bids may be awarded based on the criteria outlined in paragraph 2.16 Method of Award.

2.21 Manufacturer's Information

Bidders must submit with their bid contract documents the following:

- **a.** In accordance with Section 64590, Title 22 of the California Code of Regulations (CCR), no chemical or product shall be added to drinking water by a water supplier unless the chemical or product is certified as meeting the specifications of NSF International/American National Standard Institute (NSF/ANSI) 60-2005 (Drinking Water Treatment Chemicals—Health Effects). Certification shall be from an ANSI accredited product certification organization whose certification system includes the criteria for ensuring the chemical or product meets NSF/ANSI Standard 60 per Section 64590 of the CCR. Bidders must submit an affidavit of compliance from the ANSI accredited product certification organization. Bidders must include a statement by the chemical manufacturer, signed by an authorized representative on letterhead stationery, attesting to the affidavit's validity. In lieu of submitting an affidavit of compliance and a letter attesting to the affidavit's validity, a current printout from the ANSI accredited product certification organization is acceptable.
- **b.** A representative analysis of the chemical to be supplied, as prepared by a reputable outside laboratory or bidder's in-house laboratory if ISO certified.
- **c.** Name and address of the chemical manufacturer.
- **d.** Product Bulletin and Typical Properties.
- **e.** Safety Data Sheet (SDS).

3. SPECIAL INSTRUCTIONS TO BIDDERS

3.1 Chemical Requirements

The chemical to be provided under the terms and conditions of this bid must meet the bid specifications described in the pages that follow.

3.2 Safety Requirements

The bidder, their employees, subcontractors, and/or agents must conform to the rules and regulations pertaining to safety established by the California Division of Industrial Safety, and they must adhere to all State, Federal and Occupational Safety and Health Act (OSHA) safety standards, including compliance with any applicable State or local health order related to COVID-19 while they are on the premises of any BACC agency. Furnished equipment, materials, and/or services must comply with all OSHA standards and regulations, and all applicable governmental laws and orders. The BACC agencies reserve the right to individually refuse any shipment, at their sole discretion, which cannot be unloaded using safe and proper techniques. Any such refusal must result in the return of the chemical at the successful bidder's sole expense. If requested by a participating BACC agency, the successful bidder and/or the firm providing transportation of the chemical shall submit to a safety briefing at the BACC agency's site before commencing deliveries to the respective BACC agency. The successful bidder and/or the firm providing transportation of the chemical are required to comply with the site specific safety requirements of each participating BACC agency. Bidders should be aware that some BACC agencies do not allow smoking on site. Site safety requirements will be available for review during the bid period upon request to the BACC Coordinator. In addition, if requested by a participating BACC agency, the successful bidder and/or the firm providing transportation of the chemical may be asked to review site safety materials and provide a signed acknowledgement of their receipt of the site safety materials.

3.3 Spillage

The successful bidder must be prepared to provide safety training on the safe handling and use of the chemical and emergency procedures in the event of a leak or spill. Should a chemical spill or leak result due to negligence, faulty equipment, or inferior packaging on the part of the bidder or their agents, the bidder and their agents must be responsible for cleaning the spill or leakage and for bearing any cost incurred due to spill or leakage clean-up. It must be the successful bidder's responsibility to effect immediate containment, clean-up, disposal, and restoration activities in accordance with the individual facility's requirements and any and all applicable laws and regulations. All material associated with such clean-up operations must be hauled away and lawfully disposed of at no charge to the agency where the delivery is being made. The property of the agency where the delivery is being made must not be used for such disposal. If the spill is NOT cleaned up, the agency will hire a certified hazardous material handling company to clean up the spill, and the costs incurred, including any fines or penalties which may be imposed by regulating authorities, will be charged to the bidder or deducted from amounts owed. Chemicals must stay in the possession of the bidder and must not be unloaded until accepted by the participating BACC agency. All chemicals must be delivered in accordance with Department of Transportation regulations.

3.4 Chemical Orders

All orders placed throughout the contract period, as defined in paragraph 4.11 Term of Contract, will be initiated separately by each participating BACC agency, and each BACC agency will be responsible for the coordination of all aspects of those orders with the successful bidder. Inquiries in reference to individual orders during the contract period must be directed to the appropriate BACC agency.

3.5 Purchase Orders / Contracts

Individual purchase orders, purchase agreements, and / or contracts will be issued to the successful bidder by each participating BACC agency, and all chemical sales must be invoiced separately to the respective BACC agency. Each BACC agency may require additional contract requirements specific to the agency which are not included in this bid document and bidders need to contact the agencies for specific details and perform due diligence prior to submitting a bid. The contracted unit cost of the chemical is the awarded bid price. The successful bidder may seek a price increase for any nontrivial change requested by the participating BACC agency in the terms and conditions of the participating BACC agency's purchase order, purchase agreements, and / or contracts. The successful bidder may not change the price throughout the term of the contract unless by mutual written agreement between BACC agency and successful bidder per Section 4.4 Modification of Contract.

3.6 Taxes

Pursuant to the Sales and Use Tax Law, water treatment facilities are entitled to submit *Resale Certificates* to the California State Board of Equalization which exempt that utility from paying sales tax on any chemical purchased for the expressed use of producing a consumable water product. The participating BACC agencies that provide potable and/or recycled water to customers will be responsible for providing the successful bidder with these certificates or letter documenting their determination if the chemical they seek to purchase is exempt from sales tax. BACC agencies that do not notify the successful bidder that their agency is exempt from paying sales tax shall be invoiced with sales tax shown as a separate, itemized cost on the invoice. Chemicals purchased solely for the use in wastewater treatment and disposal facilities are subject to sales tax.

3.7 Delivery Requirements

Bidders are responsible for reviewing each of the listed delivery locations or geographic regions for each participating BACC agency and ensuring that their product can be delivered to each location prior to submitting a bid. Bidders that intend to utilize the services of a third party hauling company for some or all of their deliveries are responsible for ensuring that the hauler they have selected can and will deliver their product to each location listed in Section III-2, Delivery Details, and for submitting an affidavit pertaining to assurance with their bid. Failure to provide this assurance and submit an affidavit may be cause for rejecting their bid. Delivery bills of lading must be provided for each shipment. All bulk shipments must include a weight ticket from a certified weigh station in addition to a shipping manifest. Delivery times and dates must be coordinated between the successful bidder and each participating BACC agency on a schedule that meets the needs of the BACC agency, but at no time can a delivery occur more than seven (7) days after the order is placed unless the respective BACC agency requests a later delivery. No delivery can be made when a BACC agency representative is not on site. The successful bidder must notify the BACC agency of any anticipated late deliveries at least 24 hours in advance of the scheduled delivery time and date, unless delivery delays are the result of in-route transportation delays, then notification must be provided as soon as possible to inform the BACC agency of the anticipated delivery date and time. Persistently late or cancelled deliveries (defined as three or more over the contract period) may be used as a basis for contract termination. Failure to provide notice of late delivery as required by this section may also be a basis for contract termination. Any deliveries not meeting chemical quality, regulatory,

safety, or delivery requirements will be returned to the successful bidder at no cost to the BACC agency, and must be re-delivered by the bidder within 48 hours of the unacceptable delivery.

3.8 Force Majeure

Any bidder that anticipates a workforce interruption, including due to COVID-19 restrictions, or a production shutdown that could affect delivery of the chemical must fax or e-mail notifications to all participating BACC agencies to notify them of the potential interruption in deliveries. A telephone call must also be made to each BACC agency as a follow-up notification.

3.9 Emergency Supply Plan Description

BACC requests that bidders provide a summary of plans addressing their ability to be able to continue to supply product in the event of an unexpected disaster or urgent emergency event.

3.10 Safety Data Sheet (SDS)

Bidders must submit a Safety Data Sheet (SDS) for the product offered with the bid. The successful bidder must provide a new SDS for the chemical with the first delivery or if the SDS is modified during the contract term.

3.11 Payments

Payments for all chemicals will be made individually by each participating BACC agency thirty (30) days after receipt of a complete and accurate invoice. BACC itself does not have any legal authority to conduct business and therefore cannot be held responsible for the financial arrangements made between each individual BACC agency and the successful bidder. Cash discounts for early remittance of payment must be stated on the invoice, if applicable. The bidder is responsible for submitting accurate invoices to each BACC agency. The BACC agencies are not responsible for late payments resulting from the submission of inaccurate invoices. If bidder continues to submit inaccurate invoices after being put on notice by the BACC agency, the contract between the bidder and the BACC agency may be terminated.

3.12 Legislative Impacts

In the event the legislative body of any BACC agency fails to appropriate funds for the purchase of the chemical, the respective BACC agency may terminate such contract without penalty and thereupon be released of further obligation.

3.13 Subcontracting

No portion of the bid award may be subcontracted to another chemical manufacturer or supplier without the prior written approval of all of the participating BACC agencies.

3.14 Laws and Regulations

All applicable State of California and Federal laws, City, County, and Special District ordinances, licenses, and regulations of all participating BACC agencies having jurisdiction must apply during the contract period, including any applicable State or local health order related to COVID-19.

3.15 Insurance

For services requiring the supplier's or their subcontractor's presence on any BACC agency property, the successful bidder must acquire and maintain at their expense for the duration of the term of the contract the following insurance policies: Workers' Compensation, Employer's Liability, Commercial General Liability, Business Vehicle and Automobile Liability, and Contractor's Pollution Liability Insurance coverage from insurers either (i) admitted by the California Insurance Commissioner to do business in the State of California and rated no less than A.M. Best's rating of no less than A:VII, or (ii) authorized by the BACC agency's risk manager(s) or his/her designee at any time in his/her sole discretion, all relating to the supplier's services to be performed hereunder covering the BACC agency's risks. The minimum amounts of coverage, and the breadth of coverage, corresponding to the aforesaid categories of insurance per insurable event, must be as follows, however, the insurance limits available to each participating BACC agency, their officers, officials, employees, agents and volunteers as additional insured parties, shall be the greater of the minimum limits specified herein or the full limit of any insurance proceeds available to the named insured:

INSURANCE CATEGORY	MINIMUM LIMITS
Workers' Compensation Insurance	California Statutory Minimum
Employer's Liability Insurance	$2,000,000 per accident, and $1,000,000 per employee for bodily injury or disease.
Commercial General Liability Insurance	$5,000,000 per occurrence for bodily injury, personal injury, and property damage.
Business Vehicle and Automobile Liability Insurance	$2,000,000 per accident for bodily injury and property damage.
Contractor's Pollution Liability	$1,000,000 per occurrence, $2,000,000 policy aggregate.

Prior to commencement of any performance under the contract, the successful bidder must furnish to each participating BACC agency an original Certificate of Insurance, and copies of information or declaration pages for the insurance required with respect to evidence of all policies of insurance required as noted above. All policies of insurance must be endorsed to name the respective BACC agency, their officials, officers, employees, agents, and volunteers as additional insured parties. For any claims related to the contract, bidder's insurance coverage shall be primary insurance with respect to each participating BACC agency, their officials, officers, employees, agents and volunteers. Any insurance or self-insurance maintained by any BACC agency party, their officials, officers, employees, agents and volunteers shall be excess of the bidder's insurance and shall not contribute with it. The successful bidder will be responsible for contacting each participating BACC agency to ascertain the proper name or names of the agency specific entities to be included in the endorsements.

The successful bidder must also provide each participating BACC agency with a MSC-90 endorsement, required for transporters of hazardous materials and/or wastes.

The successful bidder hereby agrees to waive subrogation which any insurer of the bidder may acquire from vendor by virtue of the payment of any loss. Bidder agrees to obtain and provide to each BACC agency any endorsement that may be necessary to affect this waiver of subrogation. The Workers' Compensation policy shall be endorsed with a waiver of subrogation in favor of each participating BACC agency for all work performed by the bidder, its employees, agents and subcontractors.

The successful bidder must maintain the required insurance at all times while the contract is in effect, and must replace any certificate, policy or endorsement which will expire prior to that date. All policies of insurance must be endorsed to provide the required insurance and must not be suspended, voided, reduced, canceled, or allowed to expire except on thirty (30) days prior written notice to each participating BACC agency. The Certificate of Insurance must have a cancellation statement worded as follows: *"Should any of the above described policies be cancelled before the expiration date thereof, the issuing company must mail thirty calendar (30) written notice to the Certificate holder named to the left."*

4. TERMS AND CONDITIONS

4.1 Indemnification

To the fullest extent allowed by law, the successful bidder and its employees, subcontractors, and agents shall defend, indemnify, and save and hold harmless each participating BACC agency, its officers, agents, employees and volunteers from any claims, suits or actions of every name, kind and description brought forth, or on account of, injuries to or death of any person (including but not limited to workers and the public), or damage to property, resulting from or arising out of the successful bidder's or its personnel, employees, agents, or subcontractors' willful misconduct or negligent act or omission while engaged in the performance of services described in this bid document, except those matters arising from the participating BACC agency's sole negligence or willful misconduct. The parties intend that this provision shall be broadly construed.

This indemnification includes, without limitation, the payment of all penalties, fines, forfeitures, judgments, awards, decrees, attorney's fees, and related costs or expenses, and the reimbursement of any BACC agency, its officials, officers, employees, agents, and volunteers for all legal expenses and costs incurred by each of them.

The successful bidder's responsibility for such defense and indemnity obligations shall survive the termination or completion of the contract for the full period of time allowed by law. The defense and indemnity obligations of the contract are undertaken in addition to, and shall not in any way be limited by, the insurance obligations contained in the contract.

If the successful bidder should subcontract all or any portion of the work to be performed under the contract, the successful bidder shall require each subcontractor to indemnify, hold harmless and defend each participating BACC agency and each of its officials, officers, employees, agents and volunteers in accordance with the terms of the preceding paragraphs.

4.2 Bid Protests

Any bid protest must be submitted electronically via email to the BACC Coordinator before 3:30 p.m. on the fifth (5th) business day following bid opening (jdyment@bacwa.org).

a. The protest document must be provided as one PDF and must contain a complete statement of the basis for the protest and all supporting documentation and evidence.
b. The party filing the protest must have actually submitted a bid for the chemical. A subcontractor of a party submitting a bid for the chemical may not submit a bid protest. A party may not rely on the bid protest submitted by another bidder, but must timely pursue its own protest.
c. The protest must refer to the specific portion of the bid document which forms the basis for the protest.
d. The protest must include the name, address and telephone number of the person representing the protesting party.
e. The party filing the protest must concurrently transmit a copy of the protest document and any attached documentation to all other parties with a direct financial interest which may be adversely affected by the outcome of the protest. Such parties shall include all other bidders who appear to have a reasonable prospect of receiving an award depending upon the outcome of the protest.
f. BACC will give the bidder that is the subject of the protest five (5) business days after the receipt of the protest to submit a written response. The responding bidder shall submit the response to the protesting bidder concurrent with delivery to BACC.
g. The procedure and time limits set forth in this paragraph are mandatory and are the bidder's sole and exclusive remedy in the event of bid protest. All protests and responses received after the time set forth herein will be rejected. The bidder's failure to comply with these procedures shall constitute a waiver of any right to further pursue the bid protest.
h. BACC will not be responsible for any delays or transmission errors. The protesting bidder accepts all risk of late delivery of electronic protests. If is the protesting bidder's responsibility to ensure that a submittal protest is received by the bid coordinator listed in this solicitation by the due date and time. Protesting bidders should contact the bid coordinator to make sure that their electronic submittal has gone through.
i. If BACC determines that a protest is frivolous, the protesting bidder may be determined to be non-responsible and that bidder may be determined to be ineligible for future contract awards.

4.3 Equal Opportunity

The successful bidder must agree not to refuse the hire, discharge, promote, or to otherwise discriminate in the matters of compensation against any person otherwise qualified solely because of race, creed, sex, national origin, ancestry, or physical handicap. It must be a condition that any company firm or corporation supplying goods or services, must be in compliance with the Americans with Disabilities (ADA) Act of 1990. A certificate stating compliance with the ADA may be required, upon request, by any BACC agency.

4.4 Modification of Contract

This bid solicitation document including the bid contract documents, in conjunction with each BACC agency's purchase order, purchase agreement and / or contract, will constitute the entire contract between each BACC agency and the successful bidder. The contract may not be modified, altered, or amended except by the mutual written agreement of the respective BACC agency and the successful bidder.

4.5 Common Language

Unless otherwise specified in this document, all words must be given their plain, common and ordinary meaning unless the context in which they are used clearly requires a different meaning. Words in the singular number include the plural, and in the plural include the singular. Additionally, words in the masculine gender include the feminine and the neuter, and when the sense so indicates, words of the neuter gender may refer to any gender.

4.6 Proprietary Information

All information included in any bid proposal that is of a propriety nature must be **clearly** marked as such. Each BACC agency must be held harmless from any claims arising from the release of proprietary information not clearly designated as such by the Bidder.

4.7 Patent Guarantee

The bidder must, with respect to any bidder's standard products, indemnify, defend and hold harmless each participating BACC agency, its employees and agents, from any and all costs and damages because of claims or litigation on account of infringement or alleged infringement of any letters patent or patent rights by reason of the sale or normal use of such products, provided that the bidder is promptly notified of all such actual or potential infringement suits, and is given an opportunity to participate in the defense of the participating BACC agencies.

4.8 Quality Control

The bidder's chemical may be inspected and/or sampled before, during, or after any delivery and tested to confirm compliance with all of the specifications. Persistent clogging, deliveries containing significant amounts of debris, and/or chemical not meeting the technical specifications will be considered to be deficiencies. If deficiencies are detected, the chemical will be rejected and the bidder will be required to remove and replace any and all of the chemical and clean the associated tanks and piping that are contaminated by a delivery that is determined to be deficient, at no cost to the participating BACC agency. If the bidder fails to remove and replace the deficient chemical in a timely manner after being notified of the problem by the participating agency, the participating agency may remove and dispose of the contaminated chemical and clean the chemical storage tank or tanks and the associated piping all at the bidder's expense. Payment for the delivered chemical will not be made until the defects are corrected and the chemical is properly replaced and accepted. Repeat failures to comply with the specifications must constitute grounds for termination of the contract.

4.9 Term of Contract

The term of the contract between the respective BACC agency and the successful bidder will be twelve (12) months commencing July 1, 2026, and expiring June 30, 2027, with an option to extend the contract on a year-to-year basis, not to exceed three (3) yearly renewals if conditions and service are satisfactory to both the respective BACC agency and the successful bidder. The price for any succeeding periods of service shall be determined by negotiation between the respective BACC agency and the successful bidder.

4.10 Good Faith Bidding and Contracting

The participating BACC agencies listed on this bid solicitation are bidding in good faith and have agreed not to extend an existing bid in lieu of contracting with the lowest responsive bidder. However, nothing in this bid solicitation shall prevent a BACC agency from rejecting all bids and separately procuring the services they require, if deemed in the best interest of their respective agency.

4.11 Termination of Contract

Any BACC agency may terminate their contract with the successful bidder for any reason by providing the successful bidder written notice of termination, and specifying the effective date thereof, at least thirty (30) days before the effective date. Termination of the contract by one BACC agency does not affect the contractual relationship between the successful bidder and any other BACC agency.

4.12 Termination for Cause

In the event of a breach of any term or provision of the contract by the successful bidder, a BACC agency may terminate the contract with respect to supply of chemicals for that agency by providing the successful bidder with written notice of such termination, and specifying the effective date thereof, at least ten (10) days before the effective date. Termination of the contract by one BACC agency does not affect the contractual relationship between the successful bidder and any other BACC agency.

4.13 Effect of Termination

Any termination by a BACC agency, with or without cause, must not affect the validity of the contract between the successful bidder and any other BACC agency, nor must such action affect any rights, remedies, or obligations of the successful bidder or any other BACC agency.

4.14 Assignment

The successful bidder must under no circumstances assign the contract without the prior written consent of each participating BACC agency. Any assignment, or attempt at assignment, made without such consent of each participating BACC agency may be considered a breach of contract.

4.15 Competitiveness and Integrity

The participating BACC agencies have assigned control of the acquisition process to the BACC coordinating agency identified in the *Notice Inviting Sealed Bids* of this document, to prevent biased evaluations and to preserve the competitiveness and integrity of such acquisition efforts. Bidders are to direct all communications regarding this bid to the designated BACC Coordinator, unless otherwise specifically

noted, or unless approved in writing by the BACC Coordinator. Attempts by bidders to circumvent this requirement will be viewed negatively and may result in rejection of the offending bidder's offer. The BACC Coordinator may refer communications to other participating BACC agencies for clarification.

-END OF SECTION-

SECTION II

BAY AREA CHEMICAL CONSORTIUM
PRODUCT TECHNICAL SPECIFICATIONS
FOR BID NO. 01-2026
ALUMINUM SULFATE

PRODUCT TECHNICAL SPECIFICATIONS
ALUMINUM SULFATE 44% - 49% LIQUID

1. The product shall be Liquid Aluminum Sulfate commercial grade, suitable for water treatment purposes.
2. The Liquid Aluminum Sulfate shall be 44% to 49% aluminum sulfate Al_2 $(SO_4)_3$.I4H_2O in water. Liquid Aluminum Sulfate shall contain water-soluble aluminum of 3.99% to 4.45% as Al or 7.5% to 8.4% as Al_2O_3 by weight.
3. Total water-soluble iron (ferric oxide Fe_2O_3) shall not exceed 0.34% by weight.
4. Water-insoluble matter (measured as total suspended solids) shall not exceed 0.2% by weight. Liquid Aluminum Sulfate shall be free from contaminating substances that could interfere with normal operations through clogging or blockage of feed lines, valves, strainers, or measuring devices.
5. The Liquid Aluminum Sulfate shall be of such clarity as to permit the reading of flow-measuring devices without difficulty.
6. The Liquid Aluminum Sulfate supplied under this bid must conform to the American Water Works Association (AWWA) B-403 Standard for Aluminum Sulfate, the American National Standards Institute/National Sanitation Foundation Standard 60 (ANSI/NSF Standard 60) Drinking Water Treatment Chemicals, except as modified or supplemented herein. NSF 60 certification for the chemical works of origin for product and any transfer locations for product is required and must be provided at submission of bid. Bill of lading must clearly identify product delivered to be NSF 60 certified by stamp or type written statement – no handwritten notations will be accepted. Failure to provide clear identification of NSF 60 certified product will result in rejection of the load at no cost to the participating BACC Agency. It is the responsibility of the supplier to inform the BACC Agency that NSF certification has been revoked or lapsed within 24 hours of the time the supplier receives verbal or written notification. Loss of NSF certification shall constitute sufficient grounds for immediate termination of the contract.
7. The Liquid Aluminum Sulfate shall not contain any substances that can produce deleterious health effects when used in dosages standard to the potable water industry.
8. The Liquid Aluminum Sulfate shall not contain any substances that can cause water treated with this product to fail to meet Federal and State drinking water standards when used in dosages standard to the potable water industry.
9. The Liquid Aluminum Sulfate shall be clean and free of visible suspended matter.
10. The Liquid Aluminum Sulfate shall be free of biological contamination, resistant to biological growth, and shall not cause aquatic toxicity.

PRODUCT TECHNICAL SPECIFICATIONS 2%
ACIDIZED ALUMINUM SULFATE – LIQUID

1. The product shall be Liquid Aluminum Sulfate commercial grade, suitable for water treatment purposes.
2. The 2% acidized Liquid Aluminum Sulfate shall be:

   Parameter Specification Range Aluminum

   as Al, % 3.9-4.0% Aluminum as Al2O3 (%

   by wt) 7.4-8.0% Total H2SO4 (% by wt)

   1.75-2.25% Specific Gravity @21℃ (70℉)

   1.29-1.31

3. Total water-soluble iron (ferric oxide Fe_2O_3) shall not exceed 0.34% by weight.
4. Water-insoluble matter (measured as total suspended solids) shall not exceed 0.2% by weight. Liquid Aluminum Sulfate shall be free from contaminating substances that could interfere with normal operations through clogging or blockage of feed lines, valves, strainers, or measuring devices.
5. The Liquid Aluminum Sulfate shall be of such clarity as to permit the reading of flow-measuring devices without difficulty.
6. The Liquid Aluminum Sulfate supplied under this bid must conform to the American Water Works Association (AWWA) B-403 Standard for Aluminum Sulfate, the American National Standards Institute/National Sanitation Foundation Standard 60 (ANSI/NSF Standard 60) Drinking Water Treatment Chemicals, except as modified or supplemented herein. NSF 60 certification for the chemical works of origin for product and any transfer locations for product is required and must be provided at submission of bid. Bill of lading must clearly identify product delivered to be NSF 60 certified by stamp or type written statement – no handwritten notations will be accepted. Failure to provide clear identification of NSF 60 certified product will result in rejection of the load at no cost to the participating BACC Agency. It is the responsibility of the supplier to inform the BACC Agency that NSF certification has been revoked or lapsed within 24 hours of the time the supplier receives verbal or written notification. Loss of NSF certification shall constitute sufficient grounds for immediate termination of the contract.
7. The Liquid Aluminum Sulfate shall not contain any substances that can produce deleterious health effects when used in dosages standard to the potable water industry.
8. The Liquid Aluminum Sulfate shall not contain any substances that can cause water treated with this product to fail to meet Federal and State drinking water standards when used in dosages standard to the potable water industry.
9. The Liquid Aluminum Sulfate shall be clean and free of visible suspended matter.
10. The Liquid Aluminum Sulfate shall be free of biological contamination, resistant to biological growth, and shall not cause aquatic toxicity.

PRODUCT TECHNICAL SPECIFICATIONS
5% ACIDIZED ALUMINUM SULFATE – LIQUID

1. The product shall be Liquid Aluminum Sulfate commercial grade, suitable for water treatment purposes.
2. The 5% acidized Liquid Aluminum Sulfate shall be 39% to 41% aluminum sulfate $AI_2 (SO_4)_3.14H_2O$ in water. 5% acidized Liquid Aluminum Sulfate shall contain water-soluble aluminum of not less than 3.5% as AI or 6.7 % as AI_2O_3 by weight, and shall contain 4.5 to 5.5 % as H_2SO_4 by weight.
3. Total water-soluble iron (ferric oxide Fe_2O_3) shall not exceed 0.34% by weight.
4. Water-insoluble matter (measured as total suspended solids) shall not exceed 0.2% by weight. Liquid Aluminum Sulfate shall be free from contaminating substances that could interfere with normal operations through clogging or blockage of feed lines, valves, strainers, or measuring devices.
5. The Liquid Aluminum Sulfate shall be of such clarity as to permit the reading of flow-measuring devices without difficulty.
6. The Liquid Aluminum Sulfate supplied under this bid must conform to the American Water Works Association (AWWA) B-403 Standard for Aluminum Sulfate, the American National Standards Institute/National Sanitation Foundation Standard 60 (ANSI/NSF Standard 60) Drinking Water Treatment Chemicals, except as modified or supplemented herein. NSF 60 certification for the chemical works of origin for product and any transfer locations for product is required and must be provided at submission of bid. Bill of lading must clearly identify product delivered to be NSF 60 certified by stamp or type written statement – no handwritten notations will be accepted. Failure to provide clear identification of NSF 60 certified product will result in rejection of the load at no cost to the participating BACC Agency. It is the responsibility of the supplier to inform the BACC Agency that NSF certification has been revoked or lapsed within 24 hours of the time the supplier receives verbal or written notification. Loss of NSF certification shall constitute sufficient grounds for immediate termination of the contract.
7. The Liquid Aluminum Sulfate shall not contain any substances that can produce deleterious health effects when used in dosages standard to the potable water industry.
8. The Liquid Aluminum Sulfate shall not contain any substances that can cause water treated with this product to fail to meet Federal and State drinking water standards when used in dosages standard to the potable water industry.
9. The Liquid Aluminum Sulfate shall be clean and free of visible suspended matter.
10. The Liquid Aluminum Sulfate shall be free of biological contamination, resistant to biological growth, and shall not cause aquatic toxicity.

SECTION III – 1

BAY AREA CHEMICAL CONSORTIUM
ESTIMATED ANNUAL QUANTITIES
FOR BID NO. 01-2026
ALUMINUM SULFATE

BAY AREA CHEMICAL CONSORTIUM

ESTIMATED ANNUAL QUANTITIES FOR FISCAL YEAR 2026/2027

BID NO. 01-2026

	Unit of Measure	Estimated Annual Qty for Treatment Applications: Water	Wastewater
Aluminum Sulfate 2% Acidized (OPTIONAL BID ITEM)	**gal**	**450,000**	**0**
South Bay			
Valley Water (Santa Clara Valley Water District)	gal	450,000	0
		450,000	***0***
Aluminum Sulfate 44%-49% Liquid Solution	**gal**	**3,883,000**	**2,042,600**
Central Valley			
Stanislaus Regional Water Authority	gal	115,000	0
		115,000	***0***
East Bay			
Alameda County Water District	gal	70,000	0
		70,000	***0***
North Bay			
Central Contra Costa Sanitary District	gal	0	50,000
City of Antioch	gal	530,000	0
City of Martinez	gal	150,000	0
City of Pittsburg	gal	125,000	0
Delta Diablo Sanitation District	gal	0	337,000
Ironhouse	gal	0	10,000
		805,000	***397,000***
Sacramento			
City of Roseville	gal	200,000	0
City of Sacramento	gal	800,000	0
City of Yuba City	gal	200,000	0
Nevada Irrigation District	gal	140,000	0
Rancho Murieta Community Services District	gal	27,000	36,000
		1,367,000	***36,000***
South Bay			
City of Sunnyvale	gal	0	530,000
City of Watsonville	gal	0	200,000
Pajaro Valley Water Management Agency	gal	26,000	0
San Jose - Santa Clara Regional Wastewater Facility	gal	0	20,000
Valley Water (Santa Clara Valley Water District)	gal	1,500,000	0
		1,526,000	***750,000***

ESTIMATED ANNUAL QUANTITIES FOR FISCAL YEAR 2026/2027
BID NO. 01-2026

	Unit of Measure	Estimated Annual Qty for Treatment Applications: Water	Wastewater
Tri Valley			
Dublin San Ramon Services District	gal	0	270,000
Zone 7 Water Agency	gal	0	589,600
		0	***859,600***
Aluminum Sulfate 5% Acidized (OPTIONAL BID ITEM)	**gal**	**1,500,000**	**0**
South Bay			
Valley Water (Santa Clara Valley Water District)	gal	1,500,000	0
		1,500,000	***0***

SECTION III – 2

BAY AREA CHEMICAL CONSORTIUM
DELIVERY DETAILS
FOR BID NO. 01-2026
ALUMINUM SULFATE

BAY AREA CHEMICAL CONSORTIUM
DELIVERY DETAILS
BID NO. 01-2026
ALUMINUM SULFATE

The frequency of deliveries and typical delivery size are estimates of anticipated usage for a 12-month period and are given for informational purposes only and are not used in any calculations to determine the lowest overall bid (Section I, Paragraph 2.16 Method of Award).

Per Region, Agency and Delivery Facility Name and Location			Frequency of Deliveries	Typical Delivery Size
CENTRAL VALLEY				
Stanislaus Regional Water Authority				
Stanislaus Regional Water Authority Water Treatment Plant	1235 Aldrich Rd.	Hughson, CA	Every 2 weeks	4,500-5,000 gallons
EAST BAY				
Alameda County Water District				
Water Treatment Plant No. 2	42436 Mission Blvd.	Fremont	4-6x per month for 3-4 months per year	4,000 gallons
NORTH BAY				
Central Contra Costa Sanitary District				
CCCSD	5019 Imhoff Place	Martinez	1 load every 5 weeks	4,000 - 5,000 gallons
City of Antioch				
City of Antioch Water Treatment Plant	401 Putnam Street	Antioch	weekly	4,200 gallons
City of Martinez				
City of Martinez Water Treatment Plant	3003 Pacheco Blvd	Martinez	2x per month	4,500 gallons
City of Pittsburg				
Pittsburg Water Treatment Plant	300 Olympia Drive	Pittsburg	2x a month	Full truck load 50,000 lbs
Delta Diablo Sanitation District				
Delta Diablo	2500 Pittsburg-Antioch Hwy	Antioch	1-2x per week	Full Load 4,600 gallons
Ironhouse				
Ironhouse	450 Walnut Meadows Dr	Oakley	2 X full loads in winter months	4,600 gallons
SACRAMENTO				
City of Roseville				
Roseville Water Treatment Plant	9595 Barton Road	Granite Bay 95746	40 per year; 2 per wk in summer; 1-2 per month in winter	5,000 gallons

BAY AREA CHEMICAL CONSORTIUM
DELIVERY DETAILS
BID NO. 01-2026
ALUMINUM SULFATE

The frequency of deliveries and typical delivery size are estimates of anticipated usage for a 12-month period and are given for informational purposes only and are not used in any calculations to determine the lowest overall bid (Section I, Paragraph 2.16 Method of Award).

Per Region, Agency and Delivery Facility Name and Location			Frequency of Deliveries	Typical Delivery Size
City of Sacramento				
E.A. Fairbairn Water Treatment Plant	7501 College Town Drive	Sacramento	Need is storm dependent (weekly when required)	4,500 gallons
Sacramento River Water Treatment Plant	301 Water Street	Sacramento	Need is storm dependent (weekly when required)	4,500 gallons
City of Yuba City				
Water Treatment Plant	701 Northgate Drive	Yuba City	Weekly	4,000 gallons
Nevada Irrigation District				
E. George Water Treatment Plant	11258 Banner Lava Cap Rd	Nevada City	8 load per year	4,800 gallons
Lake of the Pines Water Treatment Plant	12812 Torrey Pines Drive	Auburn	4 loads per year	4,800 gallons
Lake Wildwood Water Treatment Plant	14149 Beitler Road	Penn Valley	5 loads per year. Driver must contact plant for escort.	4,800 gallons
Loma Rica Water Treatment Plant	13786 Loma Rica Drive	Grass Valley	5 loads per year. Driver must contact plant for escort.	4,800 gallons
North Auburn Water Treatment Plant	12278 Locksley Lane	Auburn	7 loads per year	4,800 gallons
Rancho Murieta Community Services District				
Wastewater Reclamation Plant	15160 Jackson Road	Rancho Murieta	2 times a month during April - Nov.	4,500 gallons
Water Treatment Plant	6237 Camino Del Lago	Rancho Murieta	Monthly	4,500 gallons
SOUTH BAY				
City of Sunnyvale				
City of Sunnyvale Water Pollution Control Plant	1444 Borregas Avenue	Sunnyvale	3 times per week	4200 gallons
City of Watsonville				
	500 Clearwater Lane	Watsonville	2x per week in May-Sept; 1x per wek the rest of the year	Full truck load
Pajaro Valley Water Management Agency				
Pajaro Valley Water Management Agency College Lake WTP	76 Holohan, Gate 2	Watsonville, CA 95076	monthly	4,500 gallons

BAY AREA CHEMICAL CONSORTIUM
DELIVERY DETAILS
BID NO. 01-2026
ALUMINUM SULFATE

The frequency of deliveries and typical delivery size are estimates of anticipated usage for a 12-month period and are given for informational purposes only and are not used in any calculations to determine the lowest overall bid (Section I, Paragraph 2.16 Method of Award).

Per Region, Agency and Delivery Facility Name and Location			Frequency of Deliveries	Typical Delivery Size
San Jose - Santa Clara Regional Wastewater Facility				
San Jose Regional Wastewater Facility	700 Los Esteros Rd	San Jose	1 every 2 weeks	4500 gallons / full tanker
Valley Water (Santa Clara Valley Water District)				
Penitencia Water Treatment Plant	3959 Whitman Way	San Jose	+/- 8x per month	4,000 gallons
Rinconada Water Treatment Plant	400 More Avenue	Los Gatos	+/- 10x per month	4,000 gallons
Santa Teresa Water Treatment Plant	7011 Graystone Lane	San Jose	+/- 10x per month	4,500 gallons
TRI VALLEY				
Dublin San Ramon Services District				
FSL Alum Facility	7176 Johnson Dr	Pleasanton	ave 16 loads/year ave every 3 weeks	4,000 gals
Water Recycling Plant (DERWA)	7399 Johnson Drive	Pleasanton	ave 50 loads/year; ave 6x/mo Apr-Oct ave 3x/mo Nov/Dec	4,000 gallons
Zone 7 Water Agency				
Del Valle Water Treatment Plant	901 E. Vineyard Ave	Livermore	80 per year	4400 gallons
Patterson Pass Water Treatment Plant	8750 Patterson Pass Rd	Livermore	54 per year	4400 gallons

SECTION III – 3

BAY AREA CHEMICAL CONSORTIUM
PARTICIPATING MEMBER AGENCY CONTACT LIST
FOR BID NO. 01-2026
ALUMINUM SULFATE

BAY AREA CHEMICAL CONSORTIUM
PARTICIPATING MEMBER AGENCY CONTACT LIST
BID NO. 01-2026
ALUMINUM SULFATE

Central Valley

STANISLAUS REGIONAL WATER AUTHORITY
1235 Aldrich Rd. Hughson, CA 95326

Janice Virgo SRWA Staff Services Assistant	jvirgo@turlock.ca.us	(209)542-4948
Salena Estrada	sestrada@turlock.ca.us	
Michael Powell	mpowell@turlock.ca.us	

East Bay

ALAMEDA COUNTY WATER DISTRICT
43885 South Grimmer Blvd Fremont, CA 94538

Mike Wickham Water Production Manager	mike.wickham@acwd.com	510-668-6516
Cris Pena Engineering Supervisor	Cris.Pena@acwd.com	510-668-6541
Renee Gonzalez Buyer	renee.gonzalez@acwd.com	510-668-4294
Cynthia Ha Water Production Process Engineer	Cynthia.ha.@acwd.com	510-668-6547

North Bay

CENTRAL CONTRA COSTA SANITARY DISTRICT
5019 Imhoff Place Martinez, CA 94553-4392

Alan Weer Plant Operations Division Manager	aweer@centralsan.org	925-335-7731
Stephanie King Contracts & Procurement Administrator	sking@centralsan.org	925-229-7307
Amy Compaglia Senior Buyer	acompaglia@centralsan.org	925-229-7306
Kevin Mizuno Finance Manager	kmizuno@centralsan.org	925-229-7119

CITY OF ANTIOCH
Water Treatment Plant P.O. Box 5007 Antioch, CA 94531-5007

Santiago Moreno	smoreno@antiochca.gov	
Operator on Duty		925-382-4246
Marcus Woodland	Mwoodland@antiochca.gov	925-779-7029

CITY OF MARTINEZ
525 Henrietta Street Martinez, CA 94553

Hiren Patel Water Operations Supervisor	hpatel@cityofmartinez.org	925-372-3588
George Pavlov Water Superintendent	gpavlov@cityofmartinez.org	925-372-3587

BAY AREA CHEMICAL CONSORTIUM
PARTICIPATING MEMBER AGENCY CONTACT LIST
BID NO. 01-2026
ALUMINUM SULFATE

CITY OF PITTSBURG

Water Treatment Plant 300 Olympia Drive Pittsburg, CA 94565

Mike Silva Water Plant Supervisor	Msilva@pittsburgca.gov	925 252-6934
Jason Moser Water Treatment Plant Superintendent	jmoser@pittsburgca.gov	925-252-6997

DELTA DIABLO SANITATION DISTRICT

2500 Pittsburg-Antioch Hwy. Antioch, CA 94509-1373

Joaquin Gonzalez Operations Manager	joaquing@deltadiablo.org	925-756-1971
Jeffrey Beckham Purchasing Supervisor	jeffreyb@deltadiablo.org	925-756-1328
Anika Lyons Finance Manager	anikal@deltadiablo.org	925-756-1924

IRONHOUSE

450 Walnut Meadows Drive Oakley, CA 94561

Jean-Marc H. Petit General Manager	Petit@isd.us.com	925-809-3001
Mike Allen WRF Superintendent	allen@isd.us.com	(925)-625-2279
John DeFremery WRF Supervisor	defremery@isd.us.com	(925) 848-0512
Lettisha Wamsley Administrative Technician – Purchasing	Wamsley@isd.us.com	(925) 809-3014

Sacramento

CITY OF ROSEVILLE

311 Vernon Street Roseville, CA 95678

Shannon Wiest Purchasing and Warehouse Manager	swiest@roseville.ca.us	916-746-1112
Becky Philipp Purchasing Supervisor	bphilipp@roseville.ca.us	916-746-1110

CITY OF SACRAMENTO

Department of Utilities 5730 24th Street, Bldg 22 Sacramento, CA 95822

David Herrmann Division Manager, Water Division	dherrmann@cityofsacramento.org	916-808-5652
Dalton Le Program Specialist, Water Division	DMLe@cityofsacramento.org	916-808-6008
Andrew Costan Program Specialist	acostan@cityofsacramento.org	916-808-6339

BAY AREA CHEMICAL CONSORTIUM
PARTICIPATING MEMBER AGENCY CONTACT LIST
BID NO. 01-2026
ALUMINUM SULFATE

CITY OF YUBA CITY

Utilities Department 701 Northgate Drive Yuba City, CA 95991

Kaylashia Byrd	Finance Administrative Analyst	kbyrd@yubacity.net	530-822-4659
Mylaina McMurray	Utilities Administrative Analyst	mmcmurray@yubacity.net	530-822-5365
Joseph Jones	Finance Accounting Manager	jjones@yubacity.net	530-822-4803
Jennifer Troche	Utilities Administrative Assistant	utilitiesadmin@yubacity.net	530-822-7571
Christian Elder	Water Treatment Plant Supervisor	celder@yubacity.net	530-822-4759
Finance Department	Purchasing Team	purchasing@yubacity.net	530-822-4618
Veronica Kemmerly	Accountant I	vkemmerly@yubacity.net	530-822-4646
Mike Finnigan	Wastewater Treatment Facility Supervisor	mfinniga@yubacity.net	530-822-7696
Scarlett Harris	Utilities Administrative Manager	sharris@yubacity.net	530-822-5366
Lance Andes	Water Treatment Chief Plant Operator	landes@yubacity.net	530-822-4637
David Newgard	Wastewater Treatment Facility Chief Plant Operator	dnewgard@yubacity.net	530-822-7698

NEVADA IRRIGATION DISTRICT

1036 W. Main Street Grass Valley, CA 95945

Jon Ritter	Purchasing Supervisor	ritterj@nidwater.com	530-271-6894
Shad Chittock	Water Treatment Superintendent	chittocks@nidwater.com	530-271-6899
Coby McCoy	Water Treatment Supervisor	mccoyc@nidwater.com	530 913-9710
Delivery Dispatcher			(530) 273-6185, option 2 for Customer Service.

RANCHO MURIETA COMMUNITY SERVICES DISTRICT

15160 Jackson Road Rancho Murieta, CA 95683

Travis Bohannon	Chief Plant Operator	tbohannon@rmcsd.com	916-870-5368

BAY AREA CHEMICAL CONSORTIUM
PARTICIPATING MEMBER AGENCY CONTACT LIST
BID NO. 01-2026
ALUMINUM SULFATE

South Bay

CITY OF SUNNYVALE

Water Pollution Control Plant 1444 Borregas Avenue Sunnyvale, CA 94088-3707

Ryan Smith WWTP Operations Manager	RASmith@sunnyvale.ca.gov	408-730-7716
Julie Callaghan Admin Aide	jcallaghan@sunnyvale.ca.gov	408-730-7719
Rohan Wikramanayake Division Manager	RWikramanayake@sunnyvale.ca.gov	408-730-7788
Lisa Vo Purchasing	lvo@sunnyvale.ca.gov	408-730- 7608

CITY OF WATSONVILLE

500 Clearwater Lane Watsonville, CA 95076

Beau Kayser Water Division Manager	beau.kayser@watsonville.gov	831-768-3193
Ruben Tellez Interm Wastewater Division Manager	ruben.tellez@watsonville.gov	
Alfonso Castaneda Operations Supervisor	alfonso.castaneda@watsonville.gov	

PAJARO VALLEY WATER MANAGEMENT AGENCY

36 Brennan St Watsonville, CA 95076

Shinehah Bigham Operations & Maintenance Manager	bigham@pvwater.org	(831)254-0549
Brian Lockwood General Manager	lockwood@pvwater.org	(831)722-9292
Ruben Garcia Water System Operator	rgarcia@pvwater.org	(831)706-0282

SAN JOSE - SANTA CLARA REGIONAL WASTEWATER FACILITY

700 Los Esteros Road San Jose, CA 95134

Justin Sabla Wastewater Ops Superintendent	Justin.Sabla@sanjoseca.gov	(408) 793-5375
Bryan Berdeen Chief Plant Operator	Bryan.Berdeen@sanjoseca.gov	(408) 635-2058
Mark Nicholl Wastewater Ops Superintendent	Mark.Nicholl@sanjoseca.gov	408-635-6635
Alex Rodriguez Division Manager of Wastewater Ops	alex.rodriguez@sanjoseca.gov	(408) 635-2087

BAY AREA CHEMICAL CONSORTIUM
PARTICIPATING MEMBER AGENCY CONTACT LIST
BID NO. 01-2026
ALUMINUM SULFATE

VALLEY WATER (SANTA CLARA VALLEY WATER DISTRICT)
5750 Almaden Expressway San Jose, CA 95118

Zachary DeVine	Supervising Program Administrator	ZDevine@valleywater.org	408-630-2495
Lotina Nishijima	South Water Treatment Manager	LNishijima@valleywater.org	408-630-2795
Lei Hong	North Water Treatment Manager	LHong@valleywater.org	408-630-2761
Kelly Grabeel	Procurement Specialist	KGrabeel@valleywater.org	408-630-2397
Hortencia Gonzalez-Palencia	Senior Management Analyst	hgonzalez@valleywater.org	408-630-2489

Tri Valley

DUBLIN SAN RAMON SERVICES DISTRICT
Regional Wastewater Treatment Facility 7399 Johnson Drive Pleasanton, CA 94588

Corinne Ferreyra	Senior Management Analyst	ferreyra@dsrsd.com	925-875-2298
Danny Ward	Water/Wastewater Systems Superintendent	dward@dsrsd.com	925-875-2371
Tim Lewis	WWTP Operations Superintendent	tlewis@dsrsd.com	925-875-2300

ZONE 7 WATER AGENCY
100 North Canyons Parkway Livermore, CA 94551

Zeljka Bozic	Buyer I	zbozic@zone7water.com	925 454 5029

SECTION IV

BAY AREA CHEMICAL CONSORTIUM
BID CONTRACT DOCUMENTS
FOR BID NO. 01-2026
ALUMINUM SULFATE

***** All of the following pages must be properly competed and submitted for the bid to be considered complete. *****

BAY AREA CHEMICAL CONSORTIUM
STANDARD AGREEMENT, PAGE 1 OF 2
BID NO.01-2026
SUPPLY AND DELIVERY OF ALUMINUM SULFATE

I hereby agree to furnish ALUMINUM SULFATE identified in the attached bid forms, as solicited by the Bay Area Chemical Consortium (BACC), to one or more of the participating BACC Agencies.

Company: _____

Address: _____

City, State, ZIP: _____

Phone: _____

Email: _____

Authorized Representative: _____

Signature: _____

Date: _____

WE ACKNOWLEDGE RECEIVING ADDENDUM/ADDENDA NUMBER _____ THROUGH _____.

SPECIFIC DEVIATIONS:

☐ This box must be checked if bidder has any proposed specific deviations. Per Section 2.12 Proposed Deviations from the Specifications by the Bidder, the absence of a proposed changed in the specifications will hold the bidder strictly accountable to the specifications as described in the bid document, including any addendum.

Describe the specific deviations below. A copy of the proposed specifications must be attached to this Standard Agreement at the time of submission, with bidder's name clearly shown on each document.

_____

_____

_____

_____

_____

Description of Emergency Supply Plan: Provide a summary of vendor's plans to continue to supply product in the event of an unexpected disaster or urgent emergency event.

_____

_____

_____

STANDARD AGREEMENT, PAGE 2 OF 2

1692799v1

BIDDER INFORMATION

1. Legal Name of Bidder:

   _____

2. Bidder's Street Address:

   _____

3. Mailing Address:

   _____

4. Business Telephone: _____ Fax Number: _____

5. Type of Supplier:
   □ Sole Proprietor □ Partnership □ Corporation □ LLC
   If Corporation, indicate State where incorporated: _____

6. Business License Number issued by the City where the Supplier's principal place of business is located.
   Number: _____ Issuing City: _____

7. Supplier Federal Tax Identification Number: _____

8. Emergency Contact: Name: _____
   Phone Number: _____

9. Order Contact: Name: _____
   Address: _____
   Phone Number: _____ Fax Number: _____
   Email: _____

10. References:

Company/Agency Name	Contact Name	Phone Number
1)_____	_____	_____
2) _____	_____	_____
3) _____	_____	_____

11. Chemical Manufacturer's name and address (if different from Bidder):

_____
_____
_____
_____

Non-Collusion Affidavit
To Be Executed By Bidder and Submitted With Bid

State of California)
) ss.
County of _____)

_____, being first duly sworn, deposes and says that he or she is the
(Bidder's Authorized Representative)

_____ of _____ the party making the
(Title of Representative) (Legal Name of Bidder)

foregoing bid that the bid is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization, or corporation; that the bid is genuine and not collusive or sham; that the bidder has not directly or indirectly induced or solicited any other bidder to put in a false or sham bid, and has not directly or indirectly colluded, conspired, connived, or agreed with any bidder or anyone else to put in a sham bid, or that anyone shall refrain from bidding; that the bidder has not in any manner, directly or indirectly, sought by agreement, communication, or conference with anyone to fix the bid price of the bidder or any other bidder, or to fix any overhead, profit, or cost element of the bid price, or of that of any other bid, or to secure any advantage against the public body awarding the contract of anyone interested in the proposed contract; that all statements contained in the bid are true; and, further, that the bidder has not, directly or indirectly, submitted his or her bid price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, or paid, and will not pay, any fee to any corporation, partnership, company association, organization, bid depository, or to any member or agent thereof to effectuate a collusive or sham bid.

I declare under penalty of perjury under the laws of the state of California that the foregoing is true and correct.

_____
Signature of: President, Secretary,
Manager, Owner, or Representative

Subscribed and sworn to before me this, _____day of _____, 20 ___

_____
Signature of Notary Public In and For

The County of _____,

State of _____

All Signatures Must Be Witnessed By Notary

1692799v1

BAY AREA CHEMICAL CONSORTIUM
BID FORM FOR BID NO.01-2026
FOR SUPPLY AND DELIVERY OF ALUMINUM SULFATE

Sealed bids must be submitted in a PDF format and bidders must enter bid prices into the electronic bid platform (Line Item page)
https://bacwa.org/about-bacc/

No later than 4:00 PM. PT
Thursday, February 19, 2026

Legal Name of Bidder:
_____

Business Address
_____
_____
_____
Telephone Number: _____
Facsimile Number: _____
Email Address: _____

Authorized Representative (Please Print):
_____
Signature:_____
Date: _____

I. **All costs except California State sales tax and tariffs for the purchase of ALUMINUM SULFATE must be included in the amount shown entered into the electronic bid platform (Line Item page), including any and all mill assessments, fees, excise taxes, transportation charges, etc. Any exceptions to the bid must be noted under Specific Deviations on the Standard Agreement. Bidders shall submit bids per unit of measure as specified in the electronic bid platform (Line Item page).**

II. **Bidders must submit all of the following, attached to this Bid Form:**

a. All requirements listed in Section 2.21 Manufacturer's Info.

b. If applicable, the name, address, and contact information for the third party hauling company as well as an affidavit signed by the Bidder that the third party hauler can and will deliver the chemical to each and every participating BACC Agency.

III. **Bidder Obligations**

By signing this Bid Form and entering into individual purchase orders, purchase agreements and /or contracts with BACC agencies, the bidder expressly agrees to be bound by all the provisions of the bid solicitation, including Sections I-IV.

BAY AREA CHEMICAL CONSORTIUM
Worksheet
BID NO. 01-2026
ALUMINUM SULFATE

Refer to paragraph 2.4 Bid Pricing for full details.

Bidders shall submit bids in US$ per unit of measure indicated on this bid form, FOB Destination.
Bid prices shall be based on bulk deliveries of 2,000 gallons or more. Bidders must submit their Bid Prices via electronic bid platform - Line Items section. Do not submit Worksheet.

	Unit of Measure	Bid Price per Unit of Measure
Aluminum Sulfate 2% Acidized (OPTIONAL BID ITEM)		
South Bay	gal	$
Valley Water (Santa Clara Valley Water District)		
Aluminum Sulfate 44%-49% Liquid Solution		
Central Valley	gal	$
Stanislaus Regional Water Authority		
East Bay	gal	$
Alameda County Water District		
North Bay	gal	$
Central Contra Costa Sanitary District		
City of Antioch		
City of Martinez		
City of Pittsburg		
Delta Diablo Sanitation District		
Ironhouse		
Sacramento	gal	$
City of Roseville		
City of Sacramento		
City of Yuba City		
Nevada Irrigation District		
Rancho Murieta Community Services District		
South Bay	gal	$
City of Sunnyvale		
City of Watsonville		
Pajaro Valley Water Management Agency		
San Jose - Santa Clara Regional Wastewater Facility		
Valley Water (Santa Clara Valley Water District)		
Tri Valley	gal	$
Dublin San Ramon Services District		
Zone 7 Water Agency		

DO NOT SUBMIT WORKSHEET
ENTER BID PRICES VIA ELECTRONIC BID PLATFORM

BAY AREA CHEMICAL CONSORTIUM
Worksheet
BID NO. 01-2026
ALUMINUM SULFATE

Refer to paragraph 2.4 Bid Pricing for full details.

Bidders shall submit bids in US$ per unit of measure indicated on this bid form, FOB Destination.
Bid prices shall be based on bulk deliveries of 2,000 gallons or more. Bidders must submit their Bid Prices via electronic bid platform - Line Items section. Do not submit Worksheet.

	Unit of Measure	Bid Price per Unit of Measure
Aluminum Sulfate 5% Acidized (OPTIONAL BID ITEM)		
South Bay	gal	$
Valley Water (Santa Clara Valley Water District)		

DO NOT SUBMIT WORKSHEET
ENTER BID PRICES VIA ELECTRONIC BID PLATFORM

SIGNATURES

The parties have signed this Contract, effective as of the day and year first stated above.

CONTRACTOR

Under penalty of perjury, I certify that the information provided here is correct.

Signature: Elizabeth Ryno
Elizabeth Ryno (May 13, 2026 11:56:42 EDT)

Title: Bid Specialist

Additional Signature (if required):

Title:

CITY OF SACRAMENTO

A Municipal Corporation

APPROVED AS TO FORM:

Signature: Michael Voss

Title: Senior Deputy City Attorney

Reviewed By:

Signature:

Title:

Approved By:

Signature:

Title:

Additional Signature (if required):

Title:

CONTRACT #: PRC004208
CONTRACT NAME: LIQUID CHLORINE
AGREEMENT TERM: JULY 1, 2026 - JUNE 30, 2027
AUTHORIZED RENEWALS: THREE (3) ADDITIONAL ONE (1) YEAR TERMS
DEPARTMENT/DIVISION: UTILITIES / WATER

PROJECT: N/A
NOT-TO-EXCEED AMOUNT: $2,400,000
SOLICITATION: ALTERNATIVE METHOD
LBE (Y/N): N
COUNCIL FILE ID: 2026-01012

BAY AREA CHEMICAL CONSORTIUM
STANDARD AGREEMENT, PAGE 1 OF 2
BID NO. 10-2025
SUPPLY AND DELIVERY OF LIQUID CHLORINE

I hereby agree to furnish LIQUID CHLORINE identified in the attached bid forms, as solicited by the Bay Area Chemical Consortium (BACC), to one or more of the participating BACC Agencies.

Company: Thatcher Company of California, Inc
Address: 8625 Unsworth Avenue
City, State, ZIP: Sacramentoo, CA 95828
Phone: (916) 389-2517
Email: bids1@tchem.com
Authorized Representative: Michael T Mitchell - President
Signature:
Date: February 18th, 2026

WE ACKNOWLEDGE RECEIVING ADDENDUM/ADDENDA NUMBER 0 THROUGH 0.

SPECIFIC DEVIATIONS:

☐ This box must be checked if bidder has any proposed specific deviations. Per Section 2.12 Proposed Deviations from the Specifications by the Bidder, the absence of a proposed changed in the specifications will hold the bidder strictly accountable to the specifications as described in the bid document, including any addendum.

Describe the specific deviations below. A copy of the proposed specifications must be attached to this Standard Agreement at the time of submission, with bidder's name clearly shown on each document.

N/A

Description of Emergency Supply Plan: Provide a summary of vendor's plans to continue to supply product in the event of an unexpected disaster or urgent emergency event.

Refer to Attachment 2

*City of Sacramento Note: There is typo in BACC Header: Bid No. 10-2025. The corrected Bid No. should be 10-2026.

BIDDER INFORMATION

1. Legal Name of Bidder:
   Thatcher Company of California, Inc

2. Bidder's Street Address:
   8625 Unsworth Ave - Sacramento, CA 95828

3. Mailing Address:
   PO Box 27407, Salt Lake City, UT 84127-0407

4. Business Telephone: (916) 389-2517 Fax Number: (916) 389-2516

5. Type of Supplier:
   □ Sole Proprietor □ Partnership ☑ Corporation □ LLC
   If Corporation, indicate State where incorporated: California

6. Business License Number issued by the City where the Supplier's principal place of business is located.
   Number: 1008886 Issuing City: Sacramento

7. Supplier Federal Tax Identification Number: 95-2944197

8. Emergency Contact: Name: Derek Bell derek.bell@tchem.com
   Phone Number: (916) 743-9775

9. Order Contact: Name: Customer Service
   Address: 8625 Unsworth Ave - Sacramento, CA 95828
   Phone Number: (916) 389-2517 Fax Number: _____
   Email: CSCA@TCHEM.COM

10. References:

Company/Agency Name	Contact Name	Phone Number
1) Contra Costa Water District	Brian Jackson	(925) 688-8048
2) Monterey One Water	Jose Guzman	(831) 883-6183
3) City of Pittsburgh, CA	Mary Morales	(925) 252-4124

11. Chemical Manufacturer's name and address (if different from Bidder):
    Chemtrade - 100 Amherst Avenue, North Vancouver BC V7H 1T9 - Canada

1692799v1

March 13, 2026

Thatcher Company of California, Inc.
Attn: Michael T Mitchell
8625 Unsworth Ave
Sacramento, CA 95828

RE: Award Contract in Response to Bay Area Chemical Consortium (BACC) Bid No. 10-2026 for Supply and Delivery of LIQUID CHLORINE.

Dear Mr. Mitchell

We are pleased to advise you that the bid submitted by Thatcher Company of California, Inc. for Bid No. 10-2026 was determined to be the lowest responsive bid for the supply and delivery of LIQUID CHLORINE during the period July 1, 2026 through June 30, 2027.

The participating BACC Agencies should be contacting you shortly to discuss entering into contracts with Thatcher Company of California, Inc. for their respective facilities.

Bay Area Chemical Consortium sincerely appreciates your efforts and participation in the competitive bid process.

If you have any questions, please free to contact me at jdyment@bacwa.org

Sincerely,

Jennifer Dyment
Assistant Executive Director
BACWA.org
as Coordinating Agency for the Bay Area Chemical Consortium

Bay Area Clean Water Agencies
Bid Results for Project 10-2026 LIQUID CHLORINE
Bid Due on February 19, 2026 4:00 PM (PDT)
SINGLE BID AWARD

Section	LIQUID CHLORINE One-Ton Cylinders (2,000 lbs)		LIQUID CHLORINE 150-lb Cylinders (Optional bid item)	
Description	**Marin Sonoma Napa**	**Sacramento**	**Sacramento**	**South Bay**
Unit of Measure	ton	ton	lb	lb
Thatcher Company of California, Inc.	2,799.0000	2,649.0000	3.3400	3.9400

2.16 Method of Award
Bids may be awarded to the lowest responsive and responsible bidder meeting the specifications for bulk loads for the chemical. The lowest responsive bidder will be determined by multiplying the estimated annual quantity for each participating BACC agency by the bid price for their region and adding up the aggregate cost to all of the participating agencies in the regions. The single bid that results in the lowest overall cost to the participating agencies as a group will be determined by BACC to be the low bid, assuming the bid is determined by BACC to be complete and in compliance with the bid requirements.BACC has the right to delete terms or options from the bid contract documents and reserves the right to reject any and all bids and to waive irregularities in said bids.

Single Bid Award	LIQUID CHLORINE One-ton cylinders, in ton		Optional bid item 150-lb cylinders, in lb	
Aggregate Cost Calculation:	**Marin Sonoma Napa**	**Sacramento**	**Sacramento**	**South Bay**
Estimated annual quantity	**184**	**609**	**80,400**	**15,300**
Thatcher Company of California, Inc.	$515,016.00	$1,613,241.00	$268,536.00	$60,282.00

THATCHER COMPANY OF CALIFORNIA, INC.
8625 Unsworth Avenue, Sacramento, CA 95828

Phone (916) 389-2517
Fax (916) 389-2516



MAILING ADDRESSES

Address Then E-Mail Contracts and Agreements To:

Michael T. Mitchell, President
Thatcher Company of California, Inc.
P. O. Box 27407
Salt Lake City, UT 84127-0407
E-mail To: mike.mitchell@tchem.com
Copy To: bids1@tchem.com

Address Requests For Bids and Quotations to Michael T. Mitchell, President, Then E-Mail To:

Jayson J. Stenquist or Melanie Calkins
Thatcher Company of California, Inc.
P. O. Box 27407
Salt Lake City, UT 84127-0407
bids1@tchem.com

Payments:
Thatcher Company of California, Inc.
LB 1106
P. O. Box 35146
Seattle, WA 98124-5146

Order Placement: Customer Service (916) 389-2517 csca@tchem.com

24/7 Customer & Transportation Service: (800) 375-7758

Certificate of Insurance: coirequest@tchem.com

Bid Tabulation: bids1@tchem.com

THATCHER COMPANY OF CALIFORNIA, INC.
8625 Unsworth Avenue, Sacramento, CA 95828

Phone (916) 389-2517
Fax (916) 389-2516

February 17, 2026

AFFIDAVIT OF COMPLIANCE

Liquid Chlorine

This affidavit certifies and warrants the liquid chlorine to be delivered to the Bay Area Chemical Consortium Agencies by Thatcher Company of California, Inc. fully complies with A.W.W.A. Specifications and ANSI/NSF Standard 60.

Michael T. Mitchell
President

NSF International
789 N. Dixboro Rd. Ann Arbor, MI 48105, USA
1-800.NSF.MARK | +1-734.769.8010 | www.nsf.org

TEST REPORT

Send To: 07870
Mr. Matt Shewan
Chemtrade Electrochem Inc.
144 - 4th Avenue Southwest
Suite 2100
Calgary, Alberta T2P 3N4
Canada

Facility: 07871
Chemtrade Electrochem Inc.
100 Amherst Avenue
North Vancouver BC V7H 1S4
Canada

Result	**PASS**	Report Date 01-DEC-2017
Customer Name	Chemtrade Electrochem Inc.	
Tested To	NSF/ANSI 60	
Description	Chlorine | Liquid	
Trade Designation	Chlorine	
Test Type	Annual Collection	
Job Number	A-00236286	
Project Number	W0376532	
Project Manager	Eleftheria Biers	

This report documents the testing of the referenced product to the requirements of NSF/ANSI Standard 60 (Drinking Water Treatment Chemicals - Health Effects). This standard establishes minimum requirements for chemicals, the chemical contaminants, and impurities that are added to drinking water from drinking water treatment chemicals. Contaminants produced as by-products through reaction of the treatment chemical with a constituent of the drinking water are not covered by this Standard. Reference the "About the Standard" section at the end of this report for additional information about NSF/ANSI Standard 60 and the products covered under this Standard.

Thank you for having your product tested by NSF International.

Please contact your Project Manager if you have any questions or concerns pertaining to this report.

Report Authorization Amanda Phelka - Director, Toxicology Services **Date** 01-DEC-2017

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General Information

Standard: NSF/ANSI 60

Chemical Name: Chlorine
DCC Number: DA00930
Maximum Use Level: 30 mg/L
Monitor Code: A
Physical Description of Sample: Liquid
Trade Designation/Model Number: Chlorine

Sample Id: **S-0001437503**
Description: Chlorine | Liquid
Sampled Date: 16-Nov-2017
Received Date: 16-Nov-2017

Tox Normalization Information:		**Lab Normalization Information:**	
Calculated NF	0.0075	Weight of chlorine	4.1 g
Preparation method used	E	Weight of water	1026.4 g
MUL	30 mg/L		
Compound Reference Key:	SPAC		

Normalization Calculation:

Normalized Result = Test Result (ug/L) * NF Where NF = MUL(mg/L) * $\frac{\text{Weight of Water Collected (g)}}{\text{Weight of Chlorine Collected (g)}} * \frac{1\ L}{10^3 g} * \frac{1g}{10^3 mg}$

- *MUL = Maximum Use Level;*
- *Unit conversion: 10^3 g water = 1 L water, 10^3 mg = 1g;*
- *An additional factor may be used to adjust the analytical result to field use conditions to account for product carryover, flushing, or other assumptions stipulated with the use of the product. If an additional factor is used, it is included in the information above.*

Testing Parameter	Units	Sample	Control	Result	Norm. Result	Acceptance Criteria(1)	Evaluation Status
Chemistry Lab							
Volatile Organic Compounds (Ref: EPA 524.2)							
Dichlorodifluoromethane	ug/L	ND(5)		ND(5)	ND(0.04)	0.3	Pass
Chloromethane	ug/L	ND(50)		ND(50)	ND(0.38)	3	Pass
Vinyl Chloride	ug/L	ND(5)		ND(5)	ND(0.04)	0.2	Pass
Bromomethane	ug/L	ND(5)		ND(5)	ND(0.04)	1	Pass
Chloroethane	ug/L	ND(5)		ND(5)	ND(0.04)	0.04	Pass
Trichlorofluoromethane	ug/L	ND(5)		ND(5)	ND(0.04)	50	Pass
Trichlorotrifluoroethane	ug/L	ND(5)		ND(5)	ND(0.04)	0.3	Pass
Methylene Chloride	ug/L	ND(5)		ND(5)	ND(0.04)	0.5	Pass
1,1-Dichloroethylene	ug/L	ND(5)		ND(5)	ND(0.04)	0.7	Pass
trans-1,2-Dichloroethylene	ug/L	ND(5)		ND(5)	ND(0.04)	10	Pass
1,1-Dichloroethane	ug/L	ND(5)		ND(5)	ND(0.04)	0.3	Pass
2,2-Dichloropropane	ug/L	ND(5)		ND(5)	ND(0.04)		
cis-1,2-Dichloroethylene	ug/L	ND(5)		ND(5)	ND(0.04)	7	Pass
Chloroform	ug/L	ND(5)		ND(5)	ND(0.04)	[TTHM]	
Bromochloromethane	ug/L	ND(5)		ND(5)	ND(0.04)	0.3	Pass
1,1,1-Trichloroethane	ug/L	ND(5)		ND(5)	ND(0.04)	20	Pass
1,1-Dichloropropene	ug/L	ND(5)		ND(5)	ND(0.04)		

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Sample Id: **S-0001437503**

Testing Parameter	Units	Sample	Control	Result	Norm. Result	Acceptance Criteria(1)	Evaluation Status
Chemistry Lab (Continued)							
Carbon Tetrachloride	ug/L	ND(5)		ND(5)	ND(0.04)	0.5	Pass
1,2-Dichloroethane	ug/L	ND(5)		ND(5)	ND(0.04)	0.5	Pass
Trichloroethylene	ug/L	ND(5)		ND(5)	ND(0.04)	0.5	Pass
1,2-Dichloropropane	ug/L	ND(5)		ND(5)	ND(0.04)	0.5	Pass
Bromodichloromethane	ug/L	ND(5)		ND(5)	ND(0.04)	[TTHM]	
Dibromomethane	ug/L	ND(5)		ND(5)	ND(0.04)		
cis-1,3-Dichloropropene	ug/L	ND(5)		ND(5)	ND(0.04)	0.2	Pass
trans-1,3-Dichloropropene	ug/L	ND(5)		ND(5)	ND(0.04)	0.2	Pass
1,1,2-Trichloroethane	ug/L	ND(5)		ND(5)	ND(0.04)		
1,3-Dichloropropane	ug/L	ND(5)		ND(5)	ND(0.04)	0.3	Pass
Tetrachloroethylene	ug/L	ND(5)		ND(5)	ND(0.04)	0.5	Pass
Chlorodibromomethane	ug/L	ND(5)		ND(5)	ND(0.04)	[TTHM]	
Chlorobenzene	ug/L	ND(5)		ND(5)	ND(0.04)	10	Pass
1,1,1,2-Tetrachloroethane	ug/L	ND(5)		ND(5)	ND(0.04)	1	Pass
Bromoform	ug/L	ND(5)		ND(5)	ND(0.04)	[TTHM]	
1,1,2,2-Tetrachloroethane	ug/L	ND(5)		ND(5)	ND(0.04)	0.2	Pass
1,2,3-Trichloropropane	ug/L	ND(5)		ND(5)	ND(0.04)	4	Pass
1,3-Dichlorobenzene	ug/L	ND(5)		ND(5)	ND(0.04)	60	Pass
1,4-Dichlorobenzene	ug/L	ND(5)		ND(5)	ND(0.04)	7.5	Pass
1,2-Dichlorobenzene	ug/L	ND(5)		ND(5)	ND(0.04)	60	Pass
Carbon Disulfide	ug/L	ND(10)		ND(10)	ND(0.075)	70	Pass
Methyl-tert-Butyl Ether (MTBE)	ug/L	ND(5)		ND(5)	ND(0.04)	10	Pass
tert-Butyl ethyl ether	ug/L	ND(5)		ND(5)	ND(0.04)	2000	Pass
Methyl Ethyl Ketone	ug/L	ND(50)		ND(50)	ND(0.38)	400	Pass
Methyl Isobutyl Ketone	ug/L	ND(50)		ND(50)	ND(0.38)	700	Pass
Toluene	ug/L	ND(5)		ND(5)	ND(0.04)	100	Pass
Ethyl Benzene	ug/L	ND(5)		ND(5)	ND(0.04)	70	Pass
m+p-Xylenes	ug/L	ND(10)		ND(10)	ND(0.075)	[Xylenes]	
o-Xylene	ug/L	ND(5)		ND(5)	ND(0.04)	[Xylenes]	
Styrene	ug/L	ND(5)		ND(5)	ND(0.04)	10	Pass
Isopropylbenzene (Cumene)	ug/L	ND(5)		ND(5)	ND(0.04)	70	Pass
n-Propylbenzene	ug/L	ND(5)		ND(5)	ND(0.04)	0.3	Pass
Bromobenzene	ug/L	ND(5)		ND(5)	ND(0.04)		
2-Chlorotoluene	ug/L	ND(5)		ND(5)	ND(0.04)		
4-Chlorotoluene	ug/L	ND(5)		ND(5)	ND(0.04)		
1,3,5-Trimethylbenzene	ug/L	ND(5)		ND(5)	ND(0.04)		
tert-Butylbenzene	ug/L	ND(5)		ND(5)	ND(0.04)	10	Pass
1,2,4-Trimethylbenzene	ug/L	ND(5)		ND(5)	ND(0.04)		

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Sample Id: **S-0001437503**

Testing Parameter	Units	Sample	Control	Result	Norm. Result	Acceptance Criteria(1)	Evaluation Status
Chemistry Lab (Continued)							
sec-Butylbenzene	ug/L	ND(5)		ND(5)	ND(0.04)		
p-Isopropyltoluene (Cymene)	ug/L	ND(5)		ND(5)	ND(0.04)		
1,2,3-Trimethylbenzene	ug/L	ND(5)		ND(5)	ND(0.04)		
n-Butylbenzene	ug/L	ND(5)		ND(5)	ND(0.04)	0.3	Pass
1,2,4-Trichlorobenzene	ug/L	ND(5)		ND(5)	ND(0.04)	7	Pass
Hexachlorobutadiene	ug/L	ND(5)		ND(5)	ND(0.04)	0.4	Pass
1,2,3-Trichlorobenzene	ug/L	ND(5)		ND(5)	ND(0.04)		
Naphthalene	ug/L	ND(5)		ND(5)	ND(0.04)	10	Pass
Benzene	ug/L	ND(5)		ND(5)	ND(0.04)	0.5	Pass
Total Trihalomethanes	ug/L	ND(0.5)		ND(0.5)	ND(0.004)	8	Pass
Total Xylenes	ug/L	ND(0.5)		ND(0.5)	ND(0.004)	1000	Pass
1 - If the acceptance criteria is blank and the evaluation status is "Fail", then the criteria used will be noted on the letter accompanying these results.							
[Xylenes] - Acceptance based on Total Xylenes							
[TTHM] - Acceptance based on Total Trihalomethanes							

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Common Terms and Acronyms Used:

Sample.....	Test result on the submitted product sample after prepared or exposed in accordance with the standard.
Control.....	Test result on a laboratory blank sample analyzed in parallel with the sample.
Result.....	Sample test result minus the Control test result.
Normalized Result...	Result normalized in accordance with the test standard to reflect potential at-the-tap concentrations
ND().....	Result is below the detection level of the analytical procedure as identified in the parenthesis.
DCC Number.....	NSF document control code of the registered formulation of the product tested
ug/L.....	Microgram per liter = 0.001 milligram per liter (mg/L)
SPAC.....	Acceptance criteria of the standard (Single Product Allowable Concentration)

References to Testing Procedures:

NSF Reference	Parameter / Test Description
C4662	Volatile Organic Compounds (Ref: EPA 524.2)

Test descriptions preceded by an asterisk "*" indicate that testing has been performed per NSF International requirements but is not within its scope of accreditation.

Testing Laboratories:

	Id	Address
All work performed at: ⟶	NSF_AA	NSF International 789 N. Dixboro Road Ann Arbor MI 48105

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About the Standard:

NSF/ANSI Standard 60: Drinking Water Treatment Chemicals - Health Effects

NSF/ANSI 60 establishes minimum health effects requirements for the chemicals, the chemical contaminants, and the impurities that are directly added to drinking water from drinking water treatment chemicals. It does not establish performance or taste and odor requirements. The standard contains requirements for chemicals that are directly added to water and are intended to be present in the finished water as well as other chemical products that are added to water but are not intended to be present in the finished water. Chemicals covered by this Standard include, but are not limited to, coagulation and flocculation chemicals, softening, precipitation, sequestering, pH adjustment, and corrosion/scale control chemicals, disinfection and oxidation chemicals, miscellaneous treatment chemicals, and miscellaneous water supply chemicals.

The testing performed to this standard is done to estimate the level of contaminants or impurities added to drinking water when the chemical is used at the "Maximum Use Level" under attestment. Prior to testing, information is obtained on the formulation and sources of supply used to manufacture the chemical. This information is then reviewed along with the minimum requirements of the standard to establish the potential contaminants of concern. A representative sample of chemical is obtained for testing. The chemical sample is prepared for analysis through specific methods established in the standard based on the type of chemical and then is analyzed for potential contaminants determined during the formulation review. The laboratory results are normalized to represent potential at-the-tap values and then compared to the "single product allowable concentration" (SPAC) established by the standard. The product is found in compliance with the standard if the normalized value is less than or equal to the allowable concentration.

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CHEMTRADE

Certificate Of Analysis

Chemtrade Electrochem Inc.
North Vancouver Plant
100 Amherst Avenue
North Vancouver BC V7H 1S4
T 604-929-1107 F 604-929-7600

To:
THATCHER COMPANY OF CALIFORNIA INC
8625 Unsworth Avenue
SACRAMENTO CA 95828
USA

B/L Number	:81900635
Carrier	:Union Pacific Railroad
Our Order	:2929730
Date Shipped	:Jan 06,2024
Vehicle	:TILX600207
Customer P.O..	:2251002898
Seal Numbers	:14860
Quantity Shipped	: 81.646 Tonne
Equivalent Qty	: 179,996.772 LBS

Material: Liquid Chlorine

NSF Certified to NSF/ANSI/CAN 60 Maximum Use Level 30 mg/L

The material furnished under this Certificate of Analysis conforms to the specification below as determined by historical data. The most recent complete liquid chlorine railcar analysis result is also provided as per the customer's request.

Batch: 0000384392 / Quantity: 81.646 TM

Parameter	Unit	Test Result	Specification Min	Specification Max	
Chlorine (Cl2)	%	99.5900	99.5000		I
Moisture	PPM	22.0000		50.0000	I
Chloroform (CHCl3)	PPM	< 0.5000		50.0000	I
Carbon Tetrachloride (CCl4)	PPM	< 0.5000		15.0000	I
Non Volatile Residue	PPM	< 10.0000		50.0000	I
Bromine (Br)	PPM	< 2.0000		25.0000	I
Nitrogen Trichloride (NCl3)	PPM	0.8800		5.0000	I
NSF Certified -	NSF® - 60 (MUL 30 MG/L)				

ppm is equivalent to mg/Kg
% is equivalent to % by Volume unless otherwise noted

Q Analysis Based on Shipment/Batch Sample
A Calculated Value
I Most Recent Analysis Prior to Shipment
Values with "<" indicate less than method detection limit.

Approved By: Bert Weger, Senior Process Engineer

Responsible Care®
Our commitment to sustainability.

PRD Jan 06,2024 16:26 SYSTEM_CSR
Profile: CHLORINE-001

CHEMTRADE

LIQUID CHLORINE
General Sales Specification

Parameters	Units	Specification
Chlorine	Volume %	99.5 Min.
Moisture	ppm	50 Max.
Non-Volatile Residue	ppm	50 Max.
Carbon Tetrachloride	ppm	15 Max.
Chloroform	ppm	50 Max.
Bromine	ppm	25 Max.
Nitrogen Trichloride	ppm	5 Max.

NOTES:

- Meets the properties in AWWA Standard B301-10
- Meets the properties in the latest edition of the Food Chemicals Codex (FCC) Cl_2 Monograph.
- Certified by NSF International to NSF/ANSI Standard 60 Drinking Water Treatment Chemicals for use at a maximum level of 30 mg/L.

IMPORTANT:

The information presented herein, while not guaranteed, was prepared by technical personnel and is true and accurate to the best of our knowledge. No warranty or guarantee, expressed or implied, is made regarding performance, stability or otherwise. This information is not intended to be all- inclusive as the manner and conditions of use, handling, storage and other factors may involve other or additional safety or performance considerations. While our technical personnel will be happy to respond to questions regarding safe handling and use procedures, safe handling and use remains the responsibility of the customer. No suggestions for use are intended as, and nothing shall be construed as, a recommendation to infringe any existing patents or to violate any Federal, State, Provincial and local laws.

Date Approved: October 2017
Revision Number: 2017-001

File ID: LPSC/PSCR/Chlorine-10002017

Chemtrade Electrochem Inc.
Customer Service Group
155 Gordon Baker Road
Toronto, Ontario
M2H 3N5
Phone: 1-866-640-1593/1-866-330-3772
Fax: (514) 640-4858

NSF
Certified to NSF/ANSI Standard 60

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The Public Health and Safety Organization

NSF Product and Service Listings

These NSF Official Listings are current as of **Saturday, February 15, 2025** at 12:15 a.m. Eastern Time. Please contact NSF to confirm the status of any Listing, report errors, or make suggestions.

Alert: NSF is concerned about fraudulent downloading and manipulation of website text. Always confirm this information by clicking on the below link for the most accurate information: http://info.nsf.org/Certified/PwsChemicals/Listings.asp?CompanyName=Chemtrade+Electrochem&ChemicalName=Chlorine&

NSF/ANSI/CAN 60
Drinking Water Treatment Chemicals - Health Effects

Chemtrade Electrochem Inc.
155 Gordon Baker Road
Suite 300
Toronto, ON M2H 3N5
Canada
1-866-887-8805
416-496-5856
Visit this company's website (http://www.chemtradelogistics.com)

Facility : No. Vancouver, British Columbia, Canada

Chlorine[CL]

Trade Designation	*Product Function*	*Max Use*
Chlorine	Disinfection & Oxidation	30mg/L

[CL] The residual levels of chlorine (hypochlorite ion and hypochlorous acid), chlorine dioxide, chlorate ion, chloramine and disinfection by-products shall be monitored in the finished drinking water to ensure compliance to all applicable regulations.

Number of matching Manufacturers is 1

Number of matching Products is 1

Processing time was 0 seconds

CHEMTRADE

SAFETY DATA SHEET

Responsible Care®
Our commitment to sustainability.

Chlorine

Section 1. Identification

GHS product identifier : Chlorine

Chemical name : Chlorine

Code : 0007

Other means of identification : Not available.

Product type : Liquid.

Relevant identified uses of the substance or mixture and uses advised against

Identified uses : Pulp bleaching, water treatment, manufacture of plastics, organic and inorganic chlorides, refrigerants and pharmaceuticals.

Supplier's details :

Chemtrade Electrochem Inc.
100 Amherst Ave
North Vancouver, British Columbia
V7H 1S4, CA
Emergency #: (604)-929-3441
Toll free: 1-800-699-6924

Chemtrade Logistics Inc.
Suite 300, 155 Gordon Baker Road
Toronto, Ontario
M2H 3N5, CA
Phone: (416)-496-5856

Emergency telephone number (with hours of operation) : CANUTEC: +1-613-996-6666 or *666 (cellular)
2-C-0808
CHEMTREC, U.S.: 1-800-424-9300 International: +1-703-527-3887
CCN 15610

Section 2. Hazards identification

OSHA/HCS status : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Classification of the substance or mixture : OXIDIZING GASES - Category 1
GASES UNDER PRESSURE - Compressed gas
ACUTE TOXICITY (inhalation) - Category 3
SKIN IRRITATION - Category 2
EYE IRRITATION - Category 2A
SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3
AQUATIC HAZARD (ACUTE) - Category 1
AQUATIC HAZARD (LONG-TERM) - Category 1

GHS label elements

Hazard pictograms :



Signal word : Danger

Section 2. Hazards identification

Hazard statements : H270 - May cause or intensify fire; oxidizer.
H280 - Contains gas under pressure; may explode if heated.
H331 - Toxic if inhaled.
H319 - Causes serious eye irritation.
H315 - Causes skin irritation.
H335 - May cause respiratory irritation.
H410 - Very toxic to aquatic life with long lasting effects.

Precautionary statements

Prevention : P280 - Wear protective gloves. Wear eye or face protection.
P284 - Wear respiratory protection.
P220 - Keep away from clothing, incompatible materials and combustible materials.
P244 - Keep reduction valves free from grease and oil.
P271 - Use only outdoors or in a well-ventilated area.
P273 - Avoid release to the environment.
P260 - Do not breathe vapor.
P264 - Wash hands thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.

Response : P391 - Collect spillage.
P370 + P376 - In case of fire: Stop leak if safe to do so.
P304 + P340 + P310 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or physician.
P302 + P352 + P362-2 + P363 - IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing. Wash contaminated clothing before reuse.
P332 + P313 - If skin irritation occurs: Get medical attention.
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313 - If eye irritation persists: Get medical attention.
P301 + P330 - if swallowed rinse mouth
P331 - Do not induce vomiting. Seek medical advice.

Storage : P405 - Store locked up.
P410 - Protect from sunlight.
P403 - Store in a well-ventilated place.

Disposal : P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.

Other hazards which do not result in classification/ HHNOC/PHNOC : None known.

Section 3. Composition/information on ingredients

Substance/mixture : Substance

Chemical name : Chlorine

Other means of identification : Not available.

CAS number/other identifiers

CAS number : 7782-50-5

Product code : 0007

Ingredient name	%	CAS number
Chlorine	>99	7782-50-5

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

Section 3. Composition/information on ingredients

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

Description of necessary first aid measures

Eye contact : Immediately flush eyes with plenty of lukewarm water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 30 minutes. Get medical attention.

Inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If necessary, call a poison center or physician. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Skin contact : Flush contaminated skin with plenty of lukewarm water. Continue to rinse for at least 30 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Ingestion : Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact : Causes serious eye irritation.

Inhalation : Fatal if inhaled. May cause respiratory irritation. May cause lung edema. Symptoms can be delayed.
Immediately dangerous to life or health: 10ppm.

Skin contact : Causes skin irritation.

Ingestion : Irritating to mouth, throat and stomach.

Over-exposure signs/symptoms

Eye contact : Adverse symptoms may include the following:
pain or irritation
watering
redness

Inhalation : Adverse symptoms may include the following:
respiratory tract irritation
coughing
unconsciousness
shortness of breath
headache
nausea or vomiting
may cause lung damage
Fatal if inhaled.

Section 4. First aid measures

Irritation threshold: approximately 0.5 ppm
Immediately dangerous to life or health: 10 ppm

Skin contact : Adverse symptoms may include the following:
irritation
redness

Ingestion : Not the normal route of exposure, causes digestive tract burns.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. In case of shortness of breath, give oxygen. Keep victim warm. Keep victim under observation. Symptoms may be delayed. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse.

Specific treatments : No specific treatment.

Protection of first-aiders : No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media : Use an extinguishing agent suitable for the surrounding fire.

Unsuitable extinguishing media : Direct water spray. Reacts with water. No water should be sprayed onto a leaking cylinder as spraying of water onto it promotes corrosion at the point of leakage as well as increasing the evaporation rate of chlorine.

Specific hazards arising from the chemical : Oxidizing material. This material increases the risk of fire and may aid combustion. Contact with combustible material may cause fire. This material is very toxic to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain. Contact with reactive metals e.g. aluminum, zinc and tin may result in the generation of flammable hydrogen. Water used for fire extinquishing, which has been in contact with the product, maybe corrosive. Water spray on active leak may promote accelerated corrosion of container and accelerate leakage. Risk of fire and explosion when in contact with combustible substances, ammonia and finely divided metals.

Hazardous thermal decomposition products : Decomposition products may include the following materials:
halogenated compounds

Special protective actions for fire-fighters : Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool. Evacuate area, In case of fire or explosion do not breathe fumes. Cylinders can burst violently when heated, due to excess pressure build up.

Special protective equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, protective clothing and face mask. Additional protective clothing must be worn to prevent personal contact with this material. Those items include but are not limited to: boots, gloves, hard hat, splash-proof goggles, full face shield and impervious clothing (i.e. chemically impermeable suit).

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Do not breathe vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment. Ventilate enclosed areas to prevent formation of toxic, flammable or oxygen deficient atmospheres. Many gases are heavier than air and will spread along ground and collect in low or confined areas (basements, sewers, tanks).

For emergency responders : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel". For response to chlorine gas it is recommended to use as a minimum level "B" protection that is compatible to chlorine. For liquid spills it is recommended to utilize as a minimum enhanced level "B" (Enhanced Level "B" is the addition of a splash hood)/ Do not touch damaged containers or spilled materials unless wearing appropriate protective clothing. Responders can reference Chlorine Institute pamphlet #65 on PPE.

Environmental precautions : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities. Collect spillage. Neutralize spilled material and collect spillage.

Methods and materials for containment and cleaning up

Spill : Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Section 7. Handling and storage

Precautions for safe handling

Protective measures : Put on appropriate personal protective equipment (see Section 8). Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Avoid release to the environment. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Keep away from clothing, incompatible materials and combustible materials. Keep reduction valves free from grease and oil. Empty containers retain product residue and can be hazardous. Do not reuse container. Use only chlorine-compatible lubricants. Use in a sealed system and/or a well-ventilated area. Observe good hygiene practices.

Advice on general occupational hygiene : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. See also Section 8 for additional information on hygiene measures. Remove contaminated clothing and protective equipment before entering eating areas.

Section 7. Handling and storage

Conditions for safe storage, including any incompatibilities : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Protect from sunlight. Store locked up. Separate from reducing agents and combustible materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. Contents under pressure. Store at temperatures not exceeding 51°C/123.8°F

Section 8. Exposure controls/personal protection

Control parameters

United States

Occupational exposure limits

Ingredient name	Exposure limits
Chlorine	**ACGIH TLV (United States, 3/2016).** TWA: 0.5 ppm 8 hours. TWA: 1.5 mg/m³ 8 hours. STEL: 1 ppm 15 minutes. STEL: 2.9 mg/m³ 15 minutes. **NIOSH REL (United States, 10/2013).** CEIL: 0.5 ppm 15 minutes. CEIL: 1.45 mg/m³ 15 minutes. **OSHA PEL (United States, 6/2016).** CEIL: 1 ppm CEIL: 3 mg/m³

Canada

Occupational exposure limits

Ingredient name	Exposure limits
Chlorine	**CA Alberta Provincial (Canada, 4/2009).** 15 min OEL: 2.9 mg/m³ 15 minutes. 8 hrs OEL: 1.5 mg/m³ 8 hours. 8 hrs OEL: 0.5 ppm 8 hours. 15 min OEL: 1 ppm 15 minutes. **CA British Columbia Provincial (Canada, 5/2015).** TWA: 0.5 ppm 8 hours. STEL: 1 ppm 15 minutes. **CA Ontario Provincial (Canada, 7/2015).** TWA: 0.5 ppm 8 hours. STEL: 1 ppm 15 minutes. **CA Quebec Provincial (Canada, 1/2014).** TWAEV: 0.5 ppm 8 hours. TWAEV: 1.5 mg/m³ 8 hours. STEV: 1 ppm 15 minutes. STEV: 2.9 mg/m³ 15 minutes. **CA Saskatchewan Provincial (Canada, 7/2013).** STEL: 1 ppm 15 minutes. TWA: 0.5 ppm 8 hours.

Appropriate engineering controls : Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. Eyewash facilities and emergency shower must be available when handling this product.

Environmental exposure controls : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

Individual protection measures

Section 8. Exposure controls/personal protection

Hygiene measures : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: Chemical goggles/face shield are recommended.

Skin protection

Hand protection : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

Body protection : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Wear appropriate chemical resistant clothing.

Other skin protection : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Wear appropriate thermal protective clothing when necessary.

Respiratory protection : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

Section 9. Physical and chemical properties

Appearance

Physical state : Liquid. [Compressed gas.]

Color : Amber liquid or greenish-yellow gas.

Odor : Pungent.

Odor threshold : <1 ppm

pH : Reacts with water to product acidic solutions.

Melting point : -101°C (-149.8°F)

Boiling point : -34°C(-29.2°F)

Flash point : Not applicable.

Evaporation rate : Not available.

Flammability (solid, gas) : Not applicable.

Lower and upper explosive (flammable) limits : Not applicable.

Vapor pressure : 638.4 kPa (4788.4 mm Hg) [room temperature]

Vapor density : 2.5 [Air = 1]

Relative density : 2.5

Solubility : Not available.

Solubility in water : 7.41 g/l

Section 9. Physical and chemical properties

Partition coefficient: n-octanol/water : Not available.

Auto-ignition temperature : Not applicable.

Decomposition temperature : Not available.

Viscosity : Dynamic (room temperature): 0.01 mPa·s (0.01 cP)

Section 10. Stability and reactivity

Reactivity : No specific test data related to reactivity available for this product or its ingredients. Contact with combustible material may cause fire.

Chemical stability : This product is stable under normal conditions.

Possibility of hazardous reactions : Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid : Keep away from heat, sparks and open flame. Heat may cause the cylinders to explode.

Incompatible materials : Reacts violently with many organic compounds, ammonia, hydrogen and finely divided metals causing fire and explosion hazard. Attacks many metals in presence of water. Attacks plastic, rubber and coatings. Chlorine is corrosive to most metals in the presence of moisture (>150 ppm water) or at high temperature. Combines with water to produce hydrochloric and hypochlorous acid. Chlorine reacts with carbon monoxide to produce toxic phosgene, and sulphur dioxide to produce sulfuryl chloride.

Hazardous decomposition products : Hydrogen Chloride, Hydrochloric Acids, Hypochlorous Acid.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Chlorine	LC50 Inhalation Gas.	Rat	293 ppm	1 hours

Irritation/Corrosion

There is no data available.

Sensitization

There is no data available.

Mutagenicity

There is no data available.

Carcinogenicity

Classification

Product/ingredient name	OSHA	IARC	NTP	ACGIH	EPA	NIOSH
Chlorine	-	-	-	A4	-	-

Reproductive toxicity

There is no data available.

Teratogenicity

There is no data available.

Section 11. Toxicological information

Specific target organ toxicity (single exposure)

Name	Category	Route of exposure	Target organs
Chlorine	Category 3	Not applicable.	Respiratory tract irritation

Specific target organ toxicity (repeated exposure)

There is no data available.

Aspiration hazard

There is no data available.

Information on the likely routes of exposure : Dermal contact. Eye contact. Inhalation. Ingestion.

Potential acute health effects

Eye contact : Causes serious eye irritation.

Inhalation : Fatal if inhaled. May cause respiratory irritation. May cause lung edema. Symptoms can be delayed.
Immediately dangerous to life or health: 10ppm.

Skin contact : Causes skin irritation.

Ingestion : Irritating to mouth, throat and stomach.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : Adverse symptoms may include the following:
pain or irritation
watering
redness

Inhalation : Adverse symptoms may include the following:
respiratory tract irritation
coughing
unconsciousness
shortness of breath
headache
nausea or vomiting
may cause lung damage
Fatal if inhaled.
Irritation threshold: approximately 0.5 ppm
Immediately dangerous to life or health: 10 ppm

Skin contact : Adverse symptoms may include the following:
irritation
redness

Ingestion : Not the normal route of exposure, causes digestive tract burns.

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

Potential immediate effects : Coughing, shortness of breath, headache, nausea or vomitting.

Potential delayed effects : Symptoms of Pulmonary edema may be delayed.

Long term exposure

Potential immediate effects : Shortness of breath, coughing

Section 11. Toxicological information

Potential delayed effects : May cause damage to organs (lungs) through prolonged or repeated exposure. Repeated exposures at low levels may cause pulmonary impairment. May also increase the likelihood of respiratory disorders.

Potential chronic health effects

General : No known significant effects or critical hazards.

Carcinogenicity : No known significant effects or critical hazards.

Mutagenicity : No known significant effects or critical hazards.

Teratogenicity : No known significant effects or critical hazards.

Developmental effects : No known significant effects or critical hazards.

Fertility effects : No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

There is no data available.

Section 12. Ecological information

Toxicity

Product/ingredient name	Result	Species	Exposure
Chlorine	Acute EC50 5.1 ppm Marine water	Algae - Macrocystis pyrifera - Young	4 days
	Acute EC50 930000 µg/L Fresh water	Aquatic plants - Lemna minor	4 days
	Acute LC50 2.03 µg/L Fresh water	Crustaceans - Asellus racovitzai	2 days
	Acute LC50 30 µg/L Fresh water	Daphnia - Daphnia pulex	48 hours
	Acute LC50 14 µg/L Fresh water	Fish - Oncorhynchus mykiss	96 hours

Persistence and degradability

There is no data available.

Bioaccumulative potential

There is no data available.

Mobility in soil

Soil/water partition coefficient (K_{OC}) : Not applicable.

Other adverse effects : No known significant effects or critical hazards.

Section 13. Disposal considerations

Disposal methods : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling empty containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Follow label warnings even after cylinder is emptied.

Section 13. Disposal considerations

Section 14. Transport information

	DOT	TDG	IMDG	IATA
UN number	UN1017	UN1017	UN1017	UN1017
UN proper shipping name	CHLORINE. Marine pollutant (Chlorine) RQ	CHLORINE. Marine pollutant (Chlorine)	CHLORINE. Marine pollutant (Chlorine)	CHLORINE
Transport hazard class(es)	2.3 (5.1, 8) 	2.3 (5.1, 8) 	2.3 (5.1, 8) 	2.3 (5.1, 8) 
Packing group	-	-	-	-
Environmental hazards	Yes.	Yes.	Yes.	Yes. The environmentally hazardous substance mark is not required.
Additional information	Toxic - Inhalation hazard Zone B This product is not regulated as a marine pollutant when transported on inland waterways in sizes of ≤5 L or ≤5 kg or by road, rail, or inland air in non-bulk sizes, provided the packagings meet the general provisions of §§ 173. 24 and 173.24a. **Reportable quantity** 10 lbs / 4.54 kg [0.47974 gal / 1.816 L] Package sizes shipped in quantities less than the product reportable quantity are not subject to the RQ (reportable quantity) transportation requirements. **Limited quantity** Yes. **Packaging instruction** **Passenger aircraft** Quantity limitation: Forbidden. **Cargo aircraft** Quantity limitation: Forbidden. **Special provisions** 2, B9, B14, T50, TP19	Product classified as per the following sections of the Transportation of Dangerous Goods Regulations: 2.13-2.17 (Class 2), 2.23-2.25 (Class 5), 2.40-2.42 (Class 8), 2.7 (Marine pollutant mark). The marine pollutant mark is not required when transported by road or rail. **Special provisions** 102	The marine pollutant mark is not required when transported in sizes of ≤5 L or ≤5 kg.	The environmentally hazardous substance mark may appear if required by other transportation regulations. **Passenger and Cargo Aircraft** Quantity limitation: Forbidden **Cargo Aircraft Only** Quantity limitation: Forbidden

AERG : 124

Section 14. Transport information

Special precautions for user : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Section 15. Regulatory information

U.S. Federal regulations : **United States inventory (TSCA 8b)**: This material is listed or exempted.

Clean Water Act (CWA) 311: Chlorine

Clean Air Act (CAA) 112 regulated toxic substances: Chlorine

Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs) : Listed

Clean Air Act Section 602 Class I Substances : Not listed

Clean Air Act Section 602 Class II Substances : Not listed

DEA List I Chemicals (Precursor Chemicals) : Not listed

DEA List II Chemicals (Essential Chemicals) : Not listed

SARA 302/304

Composition/information on ingredients

Name	EHS	SARA 302 TPQ		SARA 304 RQ	
		(lbs)	(gallons)	(lbs)	(gallons)
Chlorine	Yes.	100	-	10	-

SARA 304 RQ : 10 lbs / 4.5 kg [0.48 gal / 1.8 L]

SARA 311/312

Classification : Sudden release of pressure
Immediate (acute) health hazard

Composition/information on ingredients

Name	Fire hazard	Sudden release of pressure	Reactive	Immediate (acute) health hazard	Delayed (chronic) health hazard
Chlorine	No.	Yes.	No.	Yes.	No.

SARA 313

	Product name	CAS number
Form R - Reporting requirements	Chlorine	7782-50-5
Supplier notification	Chlorine	7782-50-5

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

Section 15. Regulatory information

State regulations

Massachusetts : This material is listed.

New York : This material is listed.

New Jersey : This material is listed.

Pennsylvania : This material is listed.

California Prop. 65

No products were found.



This product has been certified to NSF/ANSI 60 (certificate number 07871-01) for a Maximum Use Level (MUL) of 30 mg/L.

Canada

Canadian lists

Canadian NPRI : This material is listed.

CEPA Toxic substances : This material is not listed.

Canada inventory : This material is listed or exempted.

Section 16. Other information

Hazardous Material Information System (U.S.A.)

Health : 4 * **Flammability :** 0 **Physical hazards :** 1

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks Although HMIS® ratings are not required on SDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

The customer is responsible for determining the PPE code for this material.

National Fire Protection Association (U.S.A.)

Health : 4 **Flammability :** 0 **Instability :** 1 **Special :** OX

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Copyright ©2001, National Fire Protection Association, Quincy, MA 02269. This warning system is intended to be interpreted and applied only by properly trained individuals to identify fire, health and reactivity hazards of chemicals. The user is referred to certain limited number of chemicals with recommended classifications in NFPA 49 and NFPA 325, which would be used as a guideline only. Whether the chemicals are classified by NFPA or not, anyone using the 704 systems to classify chemicals does so at their own risk.

Procedure used to derive the classification

Classification	Justification
OXIDIZING GASES - Category 1	Expert judgment
GASES UNDER PRESSURE - Compressed gas	According to package
ACUTE TOXICITY (inhalation) - Category 3	On basis of test data
SKIN IRRITATION - Category 2	Expert judgment
EYE IRRITATION - Category 2A	Expert judgment
SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3	Expert judgment
AQUATIC HAZARD (ACUTE) - Category 1	Expert judgment
AQUATIC HAZARD (LONG-TERM) - Category 1	Expert judgment

History

Section 16. Other information

Date of issue mm/dd/yyyy	: 03/30/2017
Date of previous issue	: 09/01/2015
Version	: 2
Prepared by	:

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.
Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

ATTACHMENT 1

February 17, 2026

BAY AREA CHEMICAL CONSORTIUM
BID NO. 10-2026
SUPPLY AND DELIVERY OF LIQUID CHLORINE

Plant Manager:	Derek Bell
Phone Number	(916) 743-9775
E-mail Address:	derek.bell@tchem.com
Bid Support Manager:	Jayson Stenquist
Phone Number:	(801) 972-4587 ext. 1444
E-mail Address:	jayson.stenquist@tchem.com
Market Analyst:	Bailee Fabert
Phone Number:	(801) 972-4587 ext. 1459
E-mail Address:	bailee.fabert@tchem.com

THIRD PARTY HAULERS

Medeiros (primary)
Name: Liquid Logistics LLC
Address:931 10th St Suite 949 Modesto, CA 95354
Contact information for the third party hauling company: George Medeiros 209-216-7041
Email address: dispatch@medeirostanklines.com

Torres Trucking
Name: JMT Logistics LLC
Address: PO Box 276, Hughson, CA 95326
Contact information for the third party hauling company: Juan Torres 209-595-6570/ 209-542-3460
Email address: jmt.logistics@yahoo.com

Watson BROS.
Name: WATSON BROS
Address: P.O BOX 862 FRENCH CAMP, CA 95231
Contact information for the third party hauling company: Stacey 209-986-1588
Email address: graycastleestate@aol.com

BAY AREA CHEMICAL CONSORTIUM

REQUEST FOR BIDS
BID NO. 10-2026

FOR SUPPLY AND DELIVERY OF LIQUID CHLORINE

BID DUE DATE: 4:00 P.M. PT, Thursday, February 19, 2026
BID OPENING DATE: 4:00 P.M. PT, Thursday, February 19, 2026

Coordinating Agency:
Bay Area Clean Water Agencies

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NOTICE INVITING SEALED BIDS
FOR SUPPLY AND DELIVERY OF LIQUID CHLORINE
BAY AREA CHEMICAL CONSORTIUM (BACC)
BID NO. 10-2026

The Bay Area Chemical Consortium (BACC), a cooperative group of public agencies, is seeking competitive sealed bids for the supply and delivery of LIQUID CHLORINE. All sealed bids to be considered for this solicitation must be received via our electronic bid platform https://bacwa.org/about-bacc/ by **4:00 P.M. PT, Thursday, February 19, 2026.** Bids received after said date and time will not be considered under any circumstances. Bids submitted by mail or by facsimile will not be accepted. BACC and its member agencies reserves the right to reject any and all bids and to waive informalities and immaterial irregularities or technical defects in the bids received.

For additional information or any questions concerning this bid, use the public Q&A Forum in our electronic bid system.

SECTION I

BAY AREA CHEMICAL CONSORTIUM
GENERAL
FOR BID NO. 10-2026
LIQUID CHLORINE

BAY AREA CHEMICAL CONSORTIUM
REQUEST FOR BIDS
FOR SUPPLY AND DELIVERY OF LIQUID CHLORINE
BID NO. 10-2026

Sealed bids will only be received electronically via our electronic bid platform https://bacwa.org/about-bacc/ no later than **4:00 P.M. PT, Thursday February 19, 2026**.

1. GENERAL PROVISIONS

The Bay Area Chemical Consortium (BACC) is a cooperative group of public agencies each individually established under the laws of the State of California. For this particular bid solicitation, the participating member agencies include those listed in Section III-1, Estimated Annual Quantities. These participating BACC agencies, acting collectively through their authorized agents, are seeking competitive sealed bids for the supply and delivery of LIQUID CHLORINE.

Sealed bids will only be received electronically via our electronic bid platform https://bacwa.org/about-bacc/ no later than 4:00 P.M. PT, Thursday February 19, 2026. Bids received after said date and time will not be considered under any circumstances.

BACC and its member agencies reserves the right to reject any and all bids and to waive informalities and immaterial irregularities or technical defects in the bids received.

If you have any questions regarding this bid, please contact the BACC Coordinators via the electronic bid platform https://bacwa.org/about-bacc/ Q&A forum. Preliminary bid results will be available via our electronic bid platform shortly after the opening date and time.

2. INSTRUCTIONS TO BIDDERS

To receive consideration, bids must be made in accordance with the following instructions:

2.1 Bid Contract Documents

Bids must be submitted only using the forms provided in Section IV, Bid Contract Documents that includes the following: **Bid Form**, **Standard Agreement**, and **Non-Collusion Affidavit**, collectively, the bid contract documents. Bidder must submit bids price per unit of measure as specified via the electronic bid platform https://bacwa.org/about-bacc/. Do not submit the Worksheet. Bid prices submitted on Worksheet will NOT be accepted. All items in the bid contract documents must be filled out completely, signed and dated. The bid contract documents may be rejected if they show any omissions, alterations of form, the addition

of information not requested, a conditional bid, or irregularities of any kind. A complete bid submittal must include all of the following components of the bid contract documents:

- A completed and signed **Bid Form**, including all the attachments requested;
- A fully executed **Standard Agreement**, including references and acknowledgement of receiving any and all addenda, with any deviations duly noted;
- A fully executed **Non-collusion Affidavit**.
- The information required by Section 2.21 as referenced in the Bid Form.
- Name and address of any Third Party Hauler as required by Section 2.5 and the Bid Form, as well as the affidavit referenced in the Bid Form.

Bidder must submit bids price per unit of measure as specified via the electronic bid platform https://bacwa.org/about-bacc/ (Line Items section).

2.2 Estimated Quantity

The quantities indicated are estimates of anticipated usage for a 12-month period and are given for informational purposes only. Nothing in these estimated annual quantities must be construed as obligating any participating BACC agency to purchase specific quantities, as these quantities may vary depending on actual operating conditions and demands during the contract term. All participating BACC agencies reserve the right to purchase any volume of the chemical listed, at the contract price, regardless of stated estimates of quantities. No price adjustments will be allowed as a result of an increase or a decrease in the quantity purchased. For this particular bid solicitation, the estimated annual chemical quantity of each participating member agencies is listed in Section III-1, Estimated Annual Quantities.

2.3 Delivery Locations

The participating BACC agencies are grouped according to their location by relative geographic region. The bidder must quote uniform bid prices for deliveries made to each of the distinct geographic regions. For this particular bid solicitation, the distinct geographic regions for each agency are defined in Section III-1, Estimated Annual Quantities, as well as in Section III-2, Delivery Details.

2.4 Bid Pricing

Bidders may, at their option, submit a base unit price, FOB destination, for liquid chlorine deliveries in one-ton cylinders, or a base unit price for liquid chlorine deliveries by rail car, or both. Base unit price should NOT include tariffs. All bids submitted for deliveries in one-ton cylinders must include a base unit price for liquid chlorine for all of the geographic areas that wish to purchase chlorine in one-ton cylinders, as described in paragraph 2.3 Delivery Locations. Bidders shall provide bid prices on the bid form that include all costs associated with providing and delivering the chemical to the agency's facility, including materials, labor, equipment, transportation, insurance, overhead, profit, and all applicable taxes except sales tax in effect at the time of delivery. BACC agencies that use a chemical for treating water for resale may be exempt from paying sales tax, and it will be the responsibility of each BACC agency to notify the successful bidder if some or all of their purchases will be exempt from sales tax per paragraph 3.6 Taxes.

For deliveries of the chemical in rail cars, the bid price must include all charges and fees for demurrage on the rail car. Bids qualified by additional or conditional charges such as demurrage, CPI, escalators, fuel surcharges, or transportation charges between the supplier and the final delivery points will not be allowed. Bid prices must be based on bulk deliveries of 8,000 pounds (equivalent to four one-ton cylinders) or more. For bulk deliveries of less than 8,000 pounds (equivalent to four one-ton cylinders), the bidder may, at their option, assess additional charges for "short loads" unless specific requirements for smaller deliveries are described in paragraph 3.7, Delivery Requirements. Any additional "short load" charges must be shown by the bidder as a specific deviation on the bid form. Bidders and/or third party haulers will not be allowed to refuse to make "short load" deliveries. If the bidder submits a bid for one-ton cylinders and does not include unit prices for one-ton cylinders delivered to each region that wishes to purchase chlorine in one-ton cylinders, as shown in the electronic bid platform https://bacwa.org/about-bacc/ , then the bid will be considered irregular and, at the option of BACC and the participating BACC agencies, may be eliminated from further consideration. Bids that include unit prices for one-ton cylinders but not for rail cars, or vice versa, will not be considered irregular and therefore such bids will not be rejected for that reason alone.

Any optional item will be shown as a separate line item in the electronic bid platform https://bacwa.org/about-bacc/ and bidders may, at their option, submit unit prices for the optional item. Bids that do not include unit prices for optional item will not be considered irregular and therefore such bids will not be rejected for that reason.

2.5 Bidder Qualifications

A qualified bidder is one determined by BACC and the participating BACC agencies to meet standards of business competence, reputation, financial ability, and product quality. A responsive bidder is a firm/person who has submitted a bid that conforms in all material respects to the terms and conditions, the specifications of the chemical, and any other requirement of the bid instructions. A responsible bidder is a firm/person who has the capability in all aspects to perform full contract requirements, and who has the integrity and reliability that will assure good faith and specific performance. Bidders that intend to utilize a third-party hauling company for completing some or all of their deliveries must indicate the name and contact information of the third-party hauling company on the Bid Form. Before submitting a bid, the bidder must carefully examine and read all parts of the bid contract documents and be fully informed as to all existing conditions and limitations. It should be noted that, upon selection and approval of the successful bidder, the entire contents of the bid contract documents will become part of the full contract between the participating BACC agency and successful bidder (see paragraph 3.5 Purchase Orders / Contracts).

2.6 Authorized Signatory of Bid Contract Documents

The person signing the submitted bid must be fully authorized to represent and legally bind the bidding company to the terms and conditions described herein. A corporate officer must sign bids by corporations in the corporate name. The State of incorporation must be written in below the corporate name. Bids by partnerships must be signed in the partnership's name and signed by a partner with his/her title shown.

2.7 References

The bidder must submit with the bid a list of a minimum of three references that have purchased similar chemicals and services from the bidder. The bidder must provide the company or agency name, contact name, and telephone number for each reference. Whenever possible, bidders should provide references for customers from the same geographic regions as the participating BACC agencies. Bidders may provide references from BACC agencies. These references must be shown on the Standard Agreement contained herein.

2.8 Bid Submittal

Electronic bids will only be received via the electronic bid platform https://bacwa.org/about-bacc/ **by no later than 4:00 P.M. PT, Thursday, February 19, 2026**. Electronic bids shall contain all required attachments and information. Bidders must submit bids price per unit of measure as specified via the electronic bid platform https://bacwa.org/about-bacc/ (Line Item section). Bidders are cautioned that failure to comply may result in non-acceptance of the bid. Bids received after said date and time will not be considered under any circumstances. BACC will not be responsible for any delays or transmission errors. Bidder accepts all risks of late delivery of electronic bids. It is the bidder's responsibility to ensure that bid submitted is received by the electronic bid platform https://bacwa.org/about-bacc/ prior to scheduled bid opening. Any attachment will remain sealed and will not be opened until the appointed bid opening date and time. Bidders not receiving confirmation receipt should contact the electronic bid platform vendor https://bacwa.org/about-bacc/ to make sure that their electronic submittal has gone through.

2.9 Modification, Addenda, and Interpretations

Any explanation desired by the bidders regarding the meaning or interpretation of this particular bid solicitation including the bid contract documents must be requested via the electronic bid platform Q&A Forum at least five (5) business days prior to the time set for the bid opening. Any and all such interpretations or modifications must be in the form of a written request to the BACC Coordinator via the electronic bid platform Q&A Forum. All changes to this particular bid solicitation document including the bid contract documents initiated by the BACC Coordinator will be through written addenda and furnished to all bidders via the electronic bid platform. Addendum will be issued no later than 72 hours before bid opening. Any written addendum issued 72 hours before the date and time of the bid opening will become a part of the bid contract documents and must be acknowledged on the Standard Agreement form that each bidder submits. Failure to acknowledge any and all the addendum(s) on the Standard Agreement form may be cause for rejection of the bid.

2.10 Modification of Bids

A bidder may modify their bid via the electronic bid platform prior to the date and time of the bid opening. Modifications of any bid prices, terms and conditions must be electronically submitted via the electronic bid platform prior to the time of the bid opening. It shall be the responsibility of the respective bidder to

determine if their written modification was received in time by electronic bid platform. BACC reserves the right to accept or reject any proposed modifications of the bid terms and conditions.

2.11 Withdrawal of Bids

Any bid may be withdrawn any time prior to the stated bid opening date and time (closing time) only via the electronic bid platform. The withdrawal request must be executed by the bidder or a duly authorized representative. The withdrawal of the bid does not prejudice the right of the bidder to file a new bid prior to the bid closing time. No bids may be withdrawn after the bid opening date and time.

2.12 Proposed Deviations from the Specifications by the Bidder

Any deviation from the specifications described herein or in a written addendum that is proposed by a bidder must be noted in detail on the Standard Agreement form, and a copy of the proposed specification must be attached to the Standard Agreement form at the time of submission. The absence of a proposed change in the specifications will hold the bidder strictly accountable to the specifications as described herein. If proposed deviations from the specifications are submitted, the bidder's name should be clearly shown on each document. Each BACC agency will be responsible for individually accepting or rejecting any proposed deviations from the described specifications.

2.13 Competency of Bidders

Before any contract is awarded, the bidder may be required to furnish a complete statement of financial ability and experience in performing the proposed services. In accordance with the provisions of the California Business and Professions Code and other regulations, the bidder must have and maintain current any and all necessary licenses or certificates.

2.14 Rejection of Bids

The BACC and/or its individual agencies reserves the right to reject any and all bids and reserves the right to waive a bid deficiency or reject a bid for any reason, including but not limited to the following: informalities, nonconforming, non-responsive or conditional bids, bids showing any alterations of form or erasures or irregularities of any kind, additional information not requested, incomplete bids, or bids not conforming with the instructions in any way. Bidders that plan to utilize a third-party hauling company that refused to deliver to one or more of the participating agencies in the past three (3) years will be rejected as non-responsive.

2.15 Opening Bids

A preliminary bid results showing apparent lowest bid will be available on the electronic bid platform shortly after the bid opening date / time.

2.16 Method of Award

Bids may be awarded to the lowest responsive and responsible bidder meeting the specifications for bulk loads for the chemical. The lowest responsive bidder will be determined by multiplying the estimated annual quantity for each participating BACC agency by the bid price for their region and adding up the

aggregate cost to all of the participating agencies in the regions. The single bid that results in the lowest overall cost to the participating agencies as a group will be determined by BACC to be the low bid, assuming the bid is determined by BACC to be complete and in compliance with the bid requirements. BACC has the right to delete terms or options from the bid contract documents and reserves the right to reject any and all bids and to waive irregularities in said bids. The following is a non-exhaustive list of criteria that BACC may, in its sole discretion, consider in award of the bid:

a. Unit cost of the chemical
b. Product specifications
c. Warranties or standards of quality
d. Capabilities to deliver product throughout the contract term
e. Bidder's reputation, competency, and previous customer service record
f. Third party hauling company's reputation, competency, and previous customer service record (if applicable)
g. Fully executed non-collusion affidavit

2.17 Disqualification of Duplicate or Collusive Bidders

More than one bid proposal from an individual, a firm or partnership, a corporation or an association under the same or different names will not be considered. Reasonable grounds for believing that any bidder is interested in more than one bid for the bid contemplated will cause rejection of all bids in which such bidder is interested. If there is reason for believing that collusion exists among the bidders, any and all bids may be rejected. Bidders must execute and submit with their bid the Non-Collusion Affidavit included in the bid document.

2.18 Identical Bids

In the case of tied or identical bids corresponding to the proposed unit costs, BACC reserves the right to award the bid based on additional criteria. If a tied bid is not rejected for any reason as described in paragraph 2.16 Method of Award, then any additional costs described in the "Specific Deviations" such as short load adders, will be used to determine the lowest responsive bidder. If considering additional costs as described in the "Specific Deviations" still doesn't produce a winning bidder (i.e. if the tied bidders quote identical short load adder prices), then any exceptions or conditions described in the "Specific Deviations" will be considered in an effort to determine the lowest responsive bidder. If the latter still fails to produce a winning bidder, then BACC will draw lots by placing the names of the tied bidders in a hat and drawing a name. If drawing lots is deemed necessary, BACC will schedule a time to draw lots and the tied bidders will be invited to attend and witness the drawing.

2.19 Material Warranty

Before the bid is awarded and, if applicable, the bidder may be required to furnish a complete statement of the origin, composition and manufacture of any or all chemicals to be supplied, together with samples. The samples may be subjected to tests to determine their quality and fitness for the intended uses.

2.20 Bid Summary

Bid proposals will be summarized and reviewed with the BACC agencies following the bid opening. Bid summaries or tabulations will also be provided to the responsive bidders within ten (10) business days following the bid opening. After a careful review of the bids by each of the participating BACC agencies, bids may be awarded based on the criteria outlined in paragraph 2.16 Method of Award.

2.21 Manufacturer's Information

Bidders must submit with their bid contract documents the following:

- **a.** In accordance with Section 64590, Title 22 of the California Code of Regulations (CCR), no chemical or product shall be added to drinking water by a water supplier unless the chemical or product is certified as meeting the specifications of NSF International/American National Standard Institute (NSF/ANSI) 60-2005 (Drinking Water Treatment Chemicals—Health Effects). Certification shall be from an ANSI accredited product certification organization whose certification system includes the criteria for ensuring the chemical or product meets NSF/ANSI Standard 60 per Section 64590 of the CCR. Bidders must submit an affidavit of compliance from the ANSI accredited product certification organization. Bidders must include a statement by the chemical manufacturer, signed by an authorized representative on letterhead stationery, attesting to the affidavit's validity. In lieu of submitting an affidavit of compliance and a letter attesting to the affidavit's validity, a current printout from the ANSI accredited product certification organization is acceptable.
- **b.** A representative analysis of the chemical to be supplied, as prepared by a reputable outside laboratory or bidder's in-house laboratory if ISO certified.
- **c.** Name and address of the chemical manufacturer.
- **d.** Product Bulletin and Typical Properties.
- **e.** Safety Data Sheet (SDS).

3. SPECIAL INSTRUCTIONS TO BIDDERS

3.1 Chemical Requirements

The chemical to be provided under the terms and conditions of this bid must meet the bid specifications described in the pages that follow.

3.2 Safety Requirements

The bidder, their employees, subcontractors, and/or agents must conform to the rules and regulations pertaining to safety established by the California Division of Industrial Safety, and they must adhere to all State, Federal and Occupational Safety and Health Act (OSHA) safety standards, including compliance with any applicable State or local health order related to COVID-19 while they are on the premises of any BACC agency. Furnished equipment, materials, and/or services must comply with all OSHA standards and regulations, and all applicable governmental laws and orders. The BACC agencies reserve the right to individually refuse any shipment, at their sole discretion, which cannot be unloaded using safe and proper techniques. Any such refusal must result in the return of the chemical at the successful bidder's sole expense. If requested by a participating BACC agency, the successful bidder and/or the firm providing

transportation of the chemical shall submit to a safety briefing at the BACC agency's site before commencing deliveries to the respective BACC agency. The successful bidder and/or the firm providing transportation of the chemical are required to comply with the site specific safety requirements of each participating BACC agency. Bidders should be aware that some BACC agencies do not allow smoking on site. Site safety requirements will be available for review during the bid period upon request to the BACC Coordinator. In addition, if requested by a participating BACC agency, the successful bidder and/or the firm providing transportation of the chemical may be asked to review site safety materials and provide a signed acknowledgement of their receipt of the site safety materials.

3.3 Spillage

The successful bidder must be prepared to provide safety training on the safe handling and use of the chemical and emergency procedures in the event of a leak or spill. Should a chemical spill or leak result due to negligence, faulty equipment, or inferior packaging on the part of the bidder or their agents, the bidder and their agents must be responsible for cleaning the spill or leakage and for bearing any cost incurred due to spill or leakage clean-up. It must be the successful bidder's responsibility to effect immediate containment, clean-up, disposal, and restoration activities in accordance with the individual facility's requirements and any and all applicable laws and regulations. All material associated with such clean-up operations must be hauled away and lawfully disposed of at no charge to the agency where the delivery is being made. The property of the agency where the delivery is being made must not be used for such disposal. If the spill is NOT cleaned up, the agency will hire a certified hazardous material handling company to clean up the spill, and the costs incurred, including any fines or penalties which may be imposed by regulating authorities, will be charged to the bidder or deducted from amounts owed. Chemicals must stay in the possession of the bidder and must not be unloaded until accepted by the participating BACC agency. All chemicals must be delivered in accordance with Department of Transportation regulations.

3.4 Chemical Orders

All orders placed throughout the contract period, as defined in paragraph 4.11 Term of Contract, will be initiated separately by each participating BACC agency, and each BACC agency will be responsible for the coordination of all aspects of those orders with the successful bidder. Inquiries in reference to individual orders during the contract period must be directed to the appropriate BACC agency.

3.5 Purchase Orders / Contracts

Individual purchase orders, purchase agreements, and / or contracts will be issued to the successful bidder by each participating BACC agency, and all chemical sales must be invoiced separately to the respective BACC agency. Each BACC agency may require additional contract requirements specific to the agency which are not included in this bid document and bidders need to contact the agencies for specific details and perform due diligence prior to submitting a bid. The contracted unit cost of the chemical is the awarded bid price. The successful bidder may seek a price increase for any nontrivial change requested by the participating BACC agency in the terms and conditions of the participating BACC agency's purchase order, purchase agreements, and / or contracts. The successful bidder may not change the price

throughout the term of the contract unless by mutual written agreement between BACC agency and successful bidder per Section 4.4 Modification of Contract.

3.6 Taxes

Pursuant to the Sales and Use Tax Law, water treatment facilities are entitled to submit *Resale Certificates* to the California State Board of Equalization which exempt that utility from paying sales tax on any chemical purchased for the expressed use of producing a consumable water product. The participating BACC agencies that provide potable and/or recycled water to customers will be responsible for providing the successful bidder with these certificates or letter documenting their determination if the chemical they seek to purchase is exempt from sales tax. BACC agencies that do not notify the successful bidder that their agency is exempt from paying sales tax shall be invoiced with sales tax shown as a separate, itemized cost on the invoice. Chemicals purchased solely for the use in wastewater treatment and disposal facilities are subject to sales tax.

3.7 Delivery Requirements

Bidders are responsible for reviewing each of the listed delivery locations or geographic regions for each participating BACC agency and ensuring that their product can be delivered to each location prior to submitting a bid. Bidders that intend to utilize the services of a third party hauling company for some or all of their deliveries are responsible for ensuring that the hauler they have selected can and will deliver their product to each location listed in Section III-2, Delivery Details, and for submitting an affidavit pertaining to assurance with their bid. Failure to provide this assurance and submit an affidavit may be cause for rejecting their bid. Delivery bills of lading must be provided for each shipment. All bulk shipments must include a weight ticket from a certified weigh station in addition to a shipping manifest. Delivery times and dates must be coordinated between the successful bidder and each participating BACC agency on a schedule that meets the needs of the BACC agency, but at no time can a delivery occur more than seven (7) days after the order is placed unless the respective BACC agency requests a later delivery. No delivery can be made when a BACC agency representative is not on site. The successful bidder must notify the BACC agency of any anticipated late deliveries at least 24 hours in advance of the scheduled delivery time and date, unless delivery delays are the result of in-route transportation delays, then notification must be provided as soon as possible to inform the BACC agency of the anticipated delivery date and time. Persistently late or cancelled deliveries (defined as three or more over the contract period) may be used as a basis for contract termination. Failure to provide notice of late delivery as required by this section may also be a basis for contract termination. Any deliveries not meeting chemical quality, regulatory, safety, or delivery requirements will be returned to the successful bidder at no cost to the BACC agency, and must be re-delivered by the bidder within 48 hours of the unacceptable delivery.

3.8 Force Majeure

Any bidder that anticipates a workforce interruption, including due to COVID-19 restrictions, or a production shutdown that could affect delivery of the chemical must fax or e-mail notifications to all participating BACC agencies to notify them of the potential interruption in deliveries. A telephone call must also be made to each BACC agency as a follow-up notification.

3.9 Emergency Supply Plan Description

BACC requests that bidders provide a summary of plans addressing their ability to be able to continue to supply product in the event of an unexpected disaster or urgent emergency event.

3.10 Safety Data Sheet (SDS)

Bidders must submit a Safety Data Sheet (SDS) for the product offered with the bid. The successful bidder must provide a new SDS for the chemical with the first delivery or if the SDS is modified during the contract term.

3.11 Payments

Payments for all chemicals will be made individually by each participating BACC agency thirty (30) days after receipt of a complete and accurate invoice. BACC itself does not have any legal authority to conduct business and therefore cannot be held responsible for the financial arrangements made between each individual BACC agency and the successful bidder. Cash discounts for early remittance of payment must be stated on the invoice, if applicable. The bidder is responsible for submitting accurate invoices to each BACC agency. The BACC agencies are not responsible for late payments resulting from the submission of inaccurate invoices. If bidder continues to submit inaccurate invoices after being put on notice by the BACC agency, the contract between the bidder and the BACC agency may be terminated.

3.12 Legislative Impacts

In the event the legislative body of any BACC agency fails to appropriate funds for the purchase of the chemical, the respective BACC agency may terminate such contract without penalty and thereupon be released of further obligation.

3.13 Subcontracting

No portion of the bid award may be subcontracted to another chemical manufacturer or supplier without the prior written approval of all of the participating BACC agencies.

3.14 Laws and Regulations

All applicable State of California and Federal laws, City, County, and Special District ordinances, licenses, and regulations of all participating BACC agencies having jurisdiction must apply during the contract period, including any applicable State or local health order related to COVID-19.

3.15 Insurance

For services requiring the supplier's or their subcontractor's presence on any BACC agency property, the successful bidder must acquire and maintain at their expense for the duration of the term of the contract the following insurance policies: Workers' Compensation, Employer's Liability, Commercial General Liability, Business Vehicle and Automobile Liability, and Contractor's Pollution Liability Insurance coverage from insurers either (i) admitted by the California Insurance Commissioner to do business in the State of California and rated no less than A.M. Best's rating of no less than A:VII, or (ii) authorized by the BACC agency's risk manager(s) or his/her designee at any time in his/her sole discretion, all relating to the

supplier's services to be performed hereunder covering the BACC agency's risks. The minimum amounts of coverage, and the breadth of coverage, corresponding to the aforesaid categories of insurance per insurable event, must be as follows, however, the insurance limits available to each participating BACC agency, their officers, officials, employees, agents and volunteers as additional insured parties, shall be the greater of the minimum limits specified herein or the full limit of any insurance proceeds available to the named insured:

INSURANCE CATEGORY	MINIMUM LIMITS
Workers' Compensation Insurance	California Statutory Minimum
Employer's Liability Insurance	$2,000,000 per accident, and $1,000,000 per employee for bodily injury or disease.
Commercial General Liability Insurance	$5,000,000 per occurrence for bodily injury, personal injury, and property damage.
Business Vehicle and Automobile Liability Insurance	$2,000,000 per accident for bodily injury and property damage.
Contractor's Pollution Liability	$1,000,000 per occurrence, $2,000,000 policy aggregate.

Prior to commencement of any performance under the contract, the successful bidder must furnish to each participating BACC agency an original Certificate of Insurance, and copies of information or declaration pages for the insurance required with respect to evidence of all policies of insurance required as noted above. All policies of insurance must be endorsed to name the respective BACC agency, their officials, officers, employees, agents, and volunteers as additional insured parties. For any claims related to the contract, bidder's insurance coverage shall be primary insurance with respect to each participating BACC agency, their officials, officers, employees, agents and volunteers. Any insurance or self-insurance maintained by any BACC agency party, their officials, officers, employees, agents and volunteers shall be excess of the bidder's insurance and shall not contribute with it. The successful bidder will be responsible for contacting each participating BACC agency to ascertain the proper name or names of the agency specific entities to be included in the endorsements.

The successful bidder must also provide each participating BACC agency with a MSC-90 endorsement, required for transporters of hazardous materials and/or wastes.

The successful bidder hereby agrees to waive subrogation which any insurer of the bidder may acquire from vendor by virtue of the payment of any loss. Bidder agrees to obtain and provide to each BACC agency any endorsement that may be necessary to affect this waiver of subrogation. The Workers' Compensation policy shall be endorsed with a waiver of subrogation in favor of each participating BACC agency for all work performed by the bidder, its employees, agents and subcontractors.

The successful bidder must maintain the required insurance at all times while the contract is in effect, and must replace any certificate, policy or endorsement which will expire prior to that date. All policies of insurance must be endorsed to provide the required insurance and must not be suspended, voided,

reduced, canceled, or allowed to expire except on thirty (30) days prior written notice to each participating BACC agency. The Certificate of Insurance must have a cancellation statement worded as follows: *"Should any of the above described policies be cancelled before the expiration date thereof, the issuing company must mail thirty calendar (30) written notice to the Certificate holder named to the left."*

4. TERMS AND CONDITIONS

4.1 Indemnification

To the fullest extent allowed by law, the successful bidder and its employees, subcontractors, and agents shall defend, indemnify, and save and hold harmless each participating BACC agency, its officers, agents, employees and volunteers from any claims, suits or actions of every name, kind and description brought forth, or on account of, injuries to or death of any person (including but not limited to workers and the public), or damage to property, resulting from or arising out of the successful bidder's or its personnel, employees, agents, or subcontractors' willful misconduct or negligent act or omission while engaged in the performance of services described in this bid document, except those matters arising from the participating BACC agency's sole negligence or willful misconduct. The parties intend that this provision shall be broadly construed.

This indemnification includes, without limitation, the payment of all penalties, fines, forfeitures, judgments, awards, decrees, attorney's fees, and related costs or expenses, and the reimbursement of any BACC agency, its officials, officers, employees, agents, and volunteers for all legal expenses and costs incurred by each of them.

The successful bidder's responsibility for such defense and indemnity obligations shall survive the termination or completion of the contract for the full period of time allowed by law. The defense and indemnity obligations of the contract are undertaken in addition to, and shall not in any way be limited by, the insurance obligations contained in the contract.

If the successful bidder should subcontract all or any portion of the work to be performed under the contract, the successful bidder shall require each subcontractor to indemnify, hold harmless and defend each participating BACC agency and each of its officials, officers, employees, agents and volunteers in accordance with the terms of the preceding paragraphs.

4.2 Bid Protests

Any bid protest must be submitted electronically via email to the BACC Coordinator before 3:30 p.m. on the fifth (5th) business day following bid opening (jdyment@bacwa.org).

a. The protest document must be provided as one PDF and must contain a complete statement of the basis for the protest and all supporting documentation and evidence.
b. The party filing the protest must have actually submitted a bid for the chemical. A subcontractor of a party submitting a bid for the chemical may not submit a bid protest. A party may not rely on the bid protest submitted by another bidder, but must timely pursue its own protest.

c. The protest must refer to the specific portion of the bid document which forms the basis for the protest.
d. The protest must include the name, address and telephone number of the person representing the protesting party.
e. The party filing the protest must concurrently transmit a copy of the protest document and any attached documentation to all other parties with a direct financial interest which may be adversely affected by the outcome of the protest. Such parties shall include all other bidders who appear to have a reasonable prospect of receiving an award depending upon the outcome of the protest.
f. BACC will give the bidder that is the subject of the protest five (5) business days after the receipt of the protest to submit a written response. The responding bidder shall submit the response to the protesting bidder concurrent with delivery to BACC.
g. The procedure and time limits set forth in this paragraph are mandatory and are the bidder's sole and exclusive remedy in the event of bid protest. All protests and responses received after the time set forth herein will be rejected. The bidder's failure to comply with these procedures shall constitute a waiver of any right to further pursue the bid protest.
h. BACC will not be responsible for any delays or transmission errors. The protesting bidder accepts all risk of late delivery of electronic protests. If is the protesting bidder's responsibility to ensure that a submittal protest is received by the bid coordinator listed in this solicitation by the due date and time. Protesting bidders should contact the bid coordinator to make sure that their electronic submittal has gone through.
i. If BACC determines that a protest is frivolous, the protesting bidder may be determined to be non-responsible and that bidder may be determined to be ineligible for future contract awards.

4.3 Equal Opportunity

The successful bidder must agree not to refuse the hire, discharge, promote, or to otherwise discriminate in the matters of compensation against any person otherwise qualified solely because of race, creed, sex, national origin, ancestry, or physical handicap. It must be a condition that any company firm or corporation supplying goods or services, must be in compliance with the Americans with Disabilities (ADA) Act of 1990. A certificate stating compliance with the ADA may be required, upon request, by any BACC agency.

4.4 Modification of Contract

This bid solicitation document including the bid contract documents, in conjunction with each BACC agency's purchase order, purchase agreement and / or contract, will constitute the entire contract between each BACC agency and the successful bidder. The contract may not be modified, altered, or amended except by the mutual written agreement of the respective BACC agency and the successful bidder.

4.5 Common Language

Unless otherwise specified in this document, all words must be given their plain, common and ordinary meaning unless the context in which they are used clearly requires a different meaning. Words in the singular number include the plural, and in the plural include the singular. Additionally, words in the masculine gender include the feminine and the neuter, and when the sense so indicates, words of the neuter gender may refer to any gender.

4.6 Proprietary Information

All information included in any bid proposal that is of a propriety nature must be **clearly** marked as such. Each BACC agency must be held harmless from any claims arising from the release of proprietary information not clearly designated as such by the Bidder.

4.7 Patent Guarantee

The bidder must, with respect to any bidder's standard products, indemnify, defend and hold harmless each participating BACC agency, its employees and agents, from any and all costs and damages because of claims or litigation on account of infringement or alleged infringement of any letters patent or patent rights by reason of the sale or normal use of such products, provided that the bidder is promptly notified of all such actual or potential infringement suits, and is given an opportunity to participate in the defense of the participating BACC agencies.

4.8 Quality Control

The bidder's chemical may be inspected and/or sampled before, during, or after any delivery and tested to confirm compliance with all of the specifications. Persistent clogging, deliveries containing significant amounts of debris, and/or chemical not meeting the technical specifications will be considered to be deficiencies. If deficiencies are detected, the chemical will be rejected and the bidder will be required to remove and replace any and all of the chemical and clean the associated tanks and piping that are contaminated by a delivery that is determined to be deficient, at no cost to the participating BACC agency. If the bidder fails to remove and replace the deficient chemical in a timely manner after being notified of the problem by the participating agency, the participating agency may remove and dispose of the contaminated chemical and clean the chemical storage tank or tanks and the associated piping all at the bidder's expense. Payment for the delivered chemical will not be made until the defects are corrected and the chemical is properly replaced and accepted. Repeat failures to comply with the specifications must constitute grounds for termination of the contract.

4.9 Term of Contract

The term of the contract between the respective BACC agency and the successful bidder will be twelve (12) months commencing July 1, 2026, and expiring June 30, 2027, with an option to extend the contract on a year-to-year basis, not to exceed three (3) yearly renewals if conditions and service are satisfactory to both the respective BACC agency and the successful bidder. The price for any succeeding periods of service shall be determined by negotiation between the respective BACC agency and the successful bidder.

4.10 Good Faith Bidding and Contracting

The participating BACC agencies listed on this bid solicitation are bidding in good faith and have agreed not to extend an existing bid in lieu of contracting with the lowest responsive bidder. However, nothing in this bid solicitation shall prevent a BACC agency from rejecting all bids and separately procuring the services they require, if deemed in the best interest of their respective agency.

4.11 Termination of Contract

Any BACC agency may terminate their contract with the successful bidder for any reason by providing the successful bidder written notice of termination, and specifying the effective date thereof, at least thirty (30) days before the effective date. Termination of the contract by one BACC agency does not affect the contractual relationship between the successful bidder and any other BACC agency.

4.12 Termination for Cause

In the event of a breach of any term or provision of the contract by the successful bidder, a BACC agency may terminate the contract with respect to supply of chemicals for that agency by providing the successful bidder with written notice of such termination, and specifying the effective date thereof, at least ten (10) days before the effective date. Termination of the contract by one BACC agency does not affect the contractual relationship between the successful bidder and any other BACC agency.

4.13 Effect of Termination

Any termination by a BACC agency, with or without cause, must not affect the validity of the contract between the successful bidder and any other BACC agency, nor must such action affect any rights, remedies, or obligations of the successful bidder or any other BACC agency.

4.14 Assignment

The successful bidder must under no circumstances assign the contract without the prior written consent of each participating BACC agency. Any assignment, or attempt at assignment, made without such consent of each participating BACC agency may be considered a breach of contract.

4.15 Competitiveness and Integrity

The participating BACC agencies have assigned control of the acquisition process to the BACC coordinating agency identified in the *Notice Inviting Sealed Bids* of this document, to prevent biased evaluations and to preserve the competitiveness and integrity of such acquisition efforts. Bidders are to direct all communications regarding this bid to the designated BACC Coordinator, unless otherwise specifically noted, or unless approved in writing by the BACC Coordinator. Attempts by bidders to circumvent this requirement will be viewed negatively and may result in rejection of the offending bidder's offer. The BACC Coordinator may refer communications to other participating BACC agencies for clarification.

-END OF SECTION-

SECTION II

BAY AREA CHEMICAL CONSORTIUM
PRODUCT TECHNICAL SPECIFICATIONS
FOR BID NO. 10-2026
LIQUID CHLORINE

PRODUCT TECHNICAL SPECIFICATIONS
LIQUID CHLORINE

1. Product:
   a. Liquid Chlorine shall conform to the American Water Works Association's Standard for Liquid Chlorine, B301-24, except as modified or supplemented herein.
   b. Liquid Chlorine supplied shall be tested and certified as meeting the specifications of the American National Standards Institute/National Sanitation Foundation Standard 60 (ANSI/NSF Standard 60) Drinking Water Treatment Chemicals - Health Effects. The NSF certification for the products bid must be current on the date of bid submittal.
   c. It is the responsibility of the vendor to inform each of the participating BACC Agencies (within 24 hours, from the time of verbal or written notification) that NSF certification has been revoked or lapsed. Loss of NSF certification shall constitute sufficient grounds for immediate termination of the contract.
   d. Bill of lading must clearly identify that product delivered is NSF 60 certified. If delivered product is not clearly identified as NSF 60 certified, delivery will be refused at no cost to the Agency.

2. Quality:

Product Name: Chlorine

Composition/Information on Ingredients

Component / CAS No.	%
Chlorine	99.5
7782-50-5	

Product and Chemical Properties

Physical State:	Gas/liquid under pressure
Specific Gravity (Water =	1.467 @ 0^{o} C

SECTION III – 1

BAY AREA CHEMICAL CONSORTIUM
ESTIMATED ANNUAL QUANTITIES
FOR BID NO. 10-2026
LIQUID CHLORINE

BAY AREA CHEMICAL CONSORTIUM

ESTIMATED ANNUAL QUANTITIES FOR FISCAL YEAR 2026/2027

BID NO. 10-2026

	Unit of Measure	Estimated Annual Qty for Treatment Applications: Water	Wastewater
Liquid Chlorine 150-Lb Cylinders (OPTIONAL BID ITEM)	**lb**	**95,700**	**0**
Sacramento			
City of Sacramento	lb	80,400	0
		80,400	***0***
South Bay			
City of Watsonville	lb	15,300	0
		15,300	***0***
Liquid Chlorine One-Tone Cylinders (2,000 lbs)	**ton**	**473**	**320**
Marin Sonoma			
County of Sonoma	ton	90	80
North Marin Water District	ton	14	0
		104	***80***
Sacramento			
City of Sacramento	ton	320	0
City of Yuba City	ton	40	240
Rancho Murieta Community Services District	ton	9	0
		369	***240***

SECTION III – 2

BAY AREA CHEMICAL CONSORTIUM
DELIVERY DETAILS
FOR BID NO. 10-2026
LIQUID CHLORINE

BAY AREA CHEMICAL CONSORTIUM
DELIVERY DETAILS
BID NO. 10-2026
LIQUID CHLORINE

The frequency of deliveries and typical delivery size are estimates of anticipated usage for a 12-month period and are given for informational purposes only and are not used in any calculations to determine the lowest overall bid (Section I, Paragraph 2.16 Method of Award).

Per Region, Agency and Delivery Facility Name and Location			Frequency of Deliveries	Typical Delivery Size
MARIN SONOMA NAPA				
County of Sonoma				
Airport/Larkfield/Wikiup Wastewater Treatment Plant	800 Aviation Blvd	Santa Rosa	Once a month* *Average over 12 months. Deliveries will increase in summer and decrease in winter	2-4 One-ton cylinders (2,000 lbs)
Mirabel Chlorination Facility	10290 Westside Rd	Forestville	Once a month* *Average over 12 months. Deliveries will increase in summer and decrease in winter	2-4 One-ton cylinders (2,000 lbs)
Sonoma Valley Wastewater Treatment Plant	22675 8th Street	Sonoma	Once a month* *Average over 12 months. Deliveries will increase in summer and decrease in winter	2-4 One-ton cylinders (2,000 lbs)
Wohler Chlorination Facility	9750 Wohler Rd	Forestville	Once a month* *Average over 12 months. Deliveries will increase in summer and decrease in winter	2-4 One-ton cylinders (2,000 lbs)
North Marin Water District				
North Marin Water District Stafford Lake Treatment Plant	3015 Novato Blvd.	Novato	1x per month	4000 lbs
SACRAMENTO				
City of Sacramento				
E.A. Fairbairn Water Treatment Plant	7501 College Town Drive	Sacramento	Typically, 1 delivery per month; high demand 2 deliveries per month	12 1-ton cylinders
Sacramento River Water Treatment Plant	301 Water Street	Sacramento	Typically 1 delivery per month; high demand 3 deliveries per month	12 1-ton cylinders and 20 150-lb cylinders (approx 1 ton)
City of Yuba City				
Wastewater Treatment Plant	302 Burns Drive	Yuba City	Weekly	4 one-ton cylinders
Water Treatment Plant	701 Northgate Drive	Yuba City	Weekly in summer; biweekly in winter	2 one-ton cylinders
Rancho Murieta Community Services District				
Water Treatment Plant	6237 Camino Del Lago	Rancho Murieta	every other month	2 tons

BAY AREA CHEMICAL CONSORTIUM
DELIVERY DETAILS
BID NO. 10-2026
LIQUID CHLORINE

The frequency of deliveries and typical delivery size are estimates of anticipated usage for a 12-month period and are given for informational purposes only and are not used in any calculations to determine the lowest overall bid (Section I, Paragraph 2.16 Method of Award).

Per Region, Agency and Delivery Facility Name and Location			Frequency of Deliveries	Typical Delivery Size
SOUTH BAY				
City of Watsonville				
City of Watsonville Filter Plant	6 Eureka Canyon Rd.	Watsonville	1x every 3 months	6 150lb cyclinders
City of Watsonville Well 17	51 Burchell Ave	Watsonville	1x every 4 weeks	6 150-lb cylinders

SECTION III – 3

BAY AREA CHEMICAL CONSORTIUM
PARTICIPATING MEMBER AGENCY CONTACT LIST
FOR BID NO. 10-2026
LIQUID CHLORINE

BAY AREA CHEMICAL CONSORTIUM
PARTICIPATING MEMBER AGENCY CONTACT LIST
BID NO. 10-2026
LIQUID CHLORINE

Marin Sonoma Napa

COUNTY OF SONOMA

400 Aviation Blvd, Suite 100 Santa Rosa, CA 95403

Brenda Haas	General Services - Purchasing Division	brenda.haas@sonomacounty.gov	707-565-1791
Garrett Heinz	Buyer	Garrett.Heinz@sonomacounty.gov	707 565-1787

NORTH MARIN WATER DISTRICT

999 Rush Creek Place Novato, CA 94945

Tim Kennedy	Operations/Maintenance Manager	TKennedy@nmwd.com	415-761-8919
Jeff Corda	Distribution and Treatment Plant Supervisor	jcorda@nmwd.com	415-761-8965

Sacramento

CITY OF SACRAMENTO

Department of Utilities 5730 24th Street, Bldg 22 Sacramento, CA 95822

David Herrmann	Division Manager, Water Division	dherrmann@cityofsacramento.org	916-808-5652
Dalton Le	Program Specialist, Water Division	DMLe@cityofsacramento.org	916-808-6008
Andrew Costan	Program Specialist	acostan@cityofsacramento.org	916-808-6339

CITY OF YUBA CITY

Utilities Department 701 Northgate Drive Yuba City, CA 95991

Kaylashia Byrd	Finance Administrative Analyst	kbyrd@yubacity.net	530-822-4659
Mylaina McMurray	Utilities Administrative Analyst	mmcmurray@yubacity.net	530-822-5365
Joseph Jones	Finance Accounting Manager	jjones@yubacity.net	530-822-4803
Jennifer Troche	Utilities Administrative Assistant	utilitiesadmin@yubacity.net	530-822-7571
Christian Elder	Water Treatment Plant Supervisor	celder@yubacity.net	530-822-4759
Finance Department	Purchasing Team	purchasing@yubacity.net	530-822-4618
Veronica Kemmerly	Accountant I	vkemmerly@yubacity.net	530-822-4646
Mike Finnigan	Wastewater Treatment Facility Supervisor	mfinniga@yubacity.net	530-822-7696
Scarlett Harris	Utilities Administrative Manager	sharris@yubacity.net	530-822-5366
Lance Andes	Water Treatment Chief Plant Operator	landes@yubacity.net	530-822-4637
David Newgard	Wastewater Treatment Facility Chief Plant Operator	dnewgard@yubacity.net	530-822-7698

BAY AREA CHEMICAL CONSORTIUM
PARTICIPATING MEMBER AGENCY CONTACT LIST
BID NO. 10-2026
LIQUID CHLORINE

RANCHO MURIETA COMMUNITY SERVICES DISTRICT

15160 Jackson Road Rancho Murieta, CA 95683

Travis Bohannon	Chief Plant Operator	tbohannon@rmcsd.com	916-870-5368

South Bay

CITY OF WATSONVILLE

500 Clearwater Lane Watsonville, CA 95076

Beau Kayser	Water Division Manager	beau.kayser@watsonville.gov	831-768-3193
Ruben Tellez	Interm Wastewater Division Manager	ruben.tellez@watsonville.gov	
Alfonso Castaneda	Operations Supervisor	alfonso.castaneda@watsonville.gov	

SECTION IV

BAY AREA CHEMICAL CONSORTIUM
BID CONTRACT DOCUMENTS
FOR BID NO. 10-2026
LIQUID CHLORINE

***** All of the following pages must be properly competed and submitted for the bid to be considered complete. *****

BAY AREA CHEMICAL CONSORTIUM
STANDARD AGREEMENT, PAGE 1 OF 2
BID NO. 10-2026
SUPPLY AND DELIVERY OF LIQUID CHLORINE

I hereby agree to furnish LIQUID CHLORINE identified in the attached bid forms, as solicited by the Bay Area Chemical Consortium (BACC), to one or more of the participating BACC Agencies.

Company: _____

Address: _____

City, State, ZIP: _____

Phone: _____

Email: _____

Authorized Representative: _____

Signature: _____

Date: _____

WE ACKNOWLEDGE RECEIVING ADDENDUM/ADDENDA NUMBER _____ THROUGH _____.

SPECIFIC DEVIATIONS:

☐ This box must be checked if bidder has any proposed specific deviations. Per Section 2.12 Proposed Deviations from the Specifications by the Bidder, the absence of a proposed changed in the specifications will hold the bidder strictly accountable to the specifications as described in the bid document, including any addendum.

Describe the specific deviations below. A copy of the proposed specifications must be attached to this Standard Agreement at the time of submission, with bidder's name clearly shown on each document.

_____

_____

_____

_____

_____

Description of Emergency Supply Plan: Provide a summary of vendor's plans to continue to supply product in the event of an unexpected disaster or urgent emergency event.

_____

_____

_____

STANDARD AGREEMENT, PAGE 2 OF 2

BIDDER INFORMATION

1. Legal Name of Bidder:

   _____

2. Bidder's Street Address:

   _____

3. Mailing Address:

   _____

4. Business Telephone: _____ Fax Number: _____

5. Type of Supplier:
   □ Sole Proprietor □ Partnership □ Corporation □ LLC
   If Corporation, indicate State where incorporated: _____

6. Business License Number issued by the City where the Supplier's principal place of business is located.
   Number: _____ Issuing City: _____

7. Supplier Federal Tax Identification Number: _____

8. Emergency Contact: Name: _____
   Phone Number: _____

9. Order Contact: Name: _____
   Address: _____
   Phone Number: _____ Fax Number: _____
   Email: _____

10. References:

Company/Agency Name	Contact Name	Phone Number
1)_____	_____	_____
2) _____	_____	_____
3) _____	_____	_____

11. Chemical Manufacturer's name and address (if different from Bidder):

_____
_____
_____
_____

Non-Collusion Affidavit
To Be Executed By Bidder and Submitted With Bid

State of California)
) ss.
County of _____)

_____, being first duly sworn, deposes and says that he or she is the
(Bidder's Authorized Representative)

_____ of _____ the party making the
(Title of Representative) (Legal Name of Bidder)

foregoing bid that the bid is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization, or corporation; that the bid is genuine and not collusive or sham; that the bidder has not directly or indirectly induced or solicited any other bidder to put in a false or sham bid, and has not directly or indirectly colluded, conspired, connived, or agreed with any bidder or anyone else to put in a sham bid, or that anyone shall refrain from bidding; that the bidder has not in any manner, directly or indirectly, sought by agreement, communication, or conference with anyone to fix the bid price of the bidder or any other bidder, or to fix any overhead, profit, or cost element of the bid price, or of that of any other bid, or to secure any advantage against the public body awarding the contract of anyone interested in the proposed contract; that all statements contained in the bid are true; and, further, that the bidder has not, directly or indirectly, submitted his or her bid price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, or paid, and will not pay, any fee to any corporation, partnership, company association, organization, bid depository, or to any member or agent thereof to effectuate a collusive or sham bid.

I declare under penalty of perjury under the laws of the state of California that the foregoing is true and correct.

_____
Signature of: President, Secretary,
Manager, Owner, or Representative

Subscribed and sworn to before me this, _____day of _____, 20 ___

_____
Signature of Notary Public In and For

The County of _____,

State of _____

All Signatures Must Be Witnessed By Notary

1692799v1

BAY AREA CHEMICAL CONSORTIUM
BID FORM FOR BID NO. 10-2026
FOR SUPPLY AND DELIVERY OF LIQUID CHLORINE

Sealed bids must be submitted in a PDF format and bidders must enter bid prices into the electronic bid platform (Line Item page)
https://bacwa.org/about-bacc/

No later than 4:00 PM. PT
Thursday, February 19, 2026

Legal Name of Bidder:
_____

Business Address
_____
_____
_____
Telephone Number: _____
Facsimile Number: _____
Email Address: _____

Authorized Representative (Please Print):
_____
Signature:_____
Date: _____

I. **All costs except California State sales tax and tariffs for the purchase of LIQUID CHLORINE must be included in the amount shown entered into the electronic bid platform (Line Item page), including any and all mill assessments, fees, excise taxes, transportation charges, etc. Any exceptions to the bid must be noted under Specific Deviations on the Standard Agreement. Bidders shall submit bids per unit of measure as specified in the electronic bid platform (Line Item page).**

II. **Bidders must submit all of the following, attached to this Bid Form:**

a. All requirements listed in Section 2.21 Manufacturer's Info.

b. If applicable, the name, address, and contact information for the third party hauling company as well as an affidavit signed by the Bidder that the third party hauler can and will deliver the chemical to each and every participating BACC Agency.

III. **Bidder Obligations**

By signing this Bid Form and entering into individual purchase orders, purchase agreements and /or contracts with BACC agencies, the bidder expressly agrees to be bound by all the provisions of the bid solicitation, including Sections I-IV.

BAY AREA CHEMICAL CONSORTIUM
Worksheet
BID NO. 10-2026
LIQUID CHLORINE

Refer to paragraph 2.4 Bid Pricing for full details.

Bidders shall submit bids in US$ per unit of measure indicated on this bid form, FOB Destination.
Bid prices shall be based on bulk deliveries of 8,000 pounds (equal to 4 one-ton cylinders) or more; Option: 1-ton cylinders.
Bidders must submit their Bid Prices via electronic bid platform - Line Items section. Do not submit Worksheet.

	Unit of Measure	Bid Price per Unit of Measure
Liquid Chlorine 150-Lb Cylinders (OPTIONAL BID ITEM)		
Sacramento	lb	$
City of Sacramento		
South Bay	lb	$
City of Watsonville		
Liquid Chlorine One-Tone Cylinders (2,000 lbs)		
Marin Sonoma Napa	ton	$
County of Sonoma		
North Marin Water District		
Sacramento	ton	$
City of Sacramento		
City of Yuba City		
Rancho Murieta Community Services District		

DO NOT SUBMIT WORKSHEET
ENTER BID PRICES VIA ELECTRONIC BID PLATFORM

SIGNATURES

The parties have signed this Contract, effective as of the day and year first stated above.

CONTRACTOR

Under penalty of perjury, I certify that the information provided here is correct.

Signature: Mike Mitchell (May 12, 2026 20:52:02 MDT)

Title: President

Additional Signature (if required):

Title:

CITY OF SACRAMENTO

A Municipal Corporation

APPROVED AS TO FORM:

Signature: Michael Voss

Title: Senior Deputy City Attorney

Reviewed By:

Signature:

Title:

Approved By:

Signature:

Title:

Additional Signature (if required):

Title:

CONTRACT #: PRC004209
CONTRACT NAME: HYDROFLUOSILICIC ACID
AGREEMENT TERM: JULY 1, 2026 - JUNE 30, 2027
AUTHORIZED RENEWALS: THREE (3) ADDITIONAL ONE (1) YEAR TERMS
DEPARTMENT/DIVISION: UTILITIES / WATER

PROJECT: N/A
NOT-TO-EXCEED AMOUNT: $350,000
SOLICITATION: ALTERNATIVE METHOD
LBE (Y/N): N
COUNCIL FILE ID: 2026-01012

BAY AREA CHEMICAL CONSORTIUM
STANDARD AGREEMENT, PAGE 1 OF 2
BID NO. 08-2026
SUPPLY AND DELIVERY OF HYDROFLUOSILICIC ACID

I hereby agree to furnish HYDROFLUOSILICIC ACID identified in the attached bid forms, as solicited by the Bay Area Chemical Consortium (BACC), to one or more of the participating BACC Agencies.

Company: DuBois Chemicals, Inc.

Address: 3630 East Kemper Road

City, State, ZIP: Sharonville, OH 45241

Phone: (208) 466-8437

Email: Bids@duboischemicals.com

Authorized Representative: Andrew Paulson - Municipal Bid Specialist

Signature: Andrew Paulson

Date: February 18, 2026

WE ACKNOWLEDGE RECEIVING ADDENDUM/ADDENDA NUMBER 0 THROUGH 0.

SPECIFIC DEVIATIONS:

☐ This box must be checked if bidder has any proposed specific deviations. Per Section 2.12 Proposed Deviations from the Specifications by the Bidder, the absence of a proposed changed in the specifications will hold the bidder strictly accountable to the specifications as described in the bid document, including any addendum.

Describe the specific deviations below. A copy of the proposed specifications must be attached to this Standard Agreement at the time of submission, with bidder's name clearly shown on each document.

Description of Emergency Supply Plan: Provide a summary of vendor's plans to continue to supply product in the event of an unexpected disaster or urgent emergency event.

Main supply comes from Fremont, CA NSF Terminal and Backup supply from Vernon, CA (also NSF) Backup main source and manufacturing site Rock Springs, WY. We also have contracted with backup suppliers in case of plant shut down.

STANDARD AGREEMENT, PAGE 2 OF 2

Trucking is mostly by the given third-party haulers, but we have our own rubber-lined TT and we have used other companies in the past as well, like Sierra Chemical Company.

1692799v1

BIDDER INFORMATION

1. Legal Name of Bidder:
   DuBois Chemicals, Inc.

2. Bidder's Street Address:
   3630 East Kemper Road, Cincinnati, OH 45241

3. Mailing Address:
   1717 E Fargo Ave, Nampa, ID 83687 - For Bids & Contracts

4. Business Telephone: (208) 466-8437 Fax Number: (208) 466-8989

5. Type of Supplier:
   □ Sole Proprietor □ Partnership ☑ Corporation □ LLC
   If Corporation, indicate State where incorporated: Delaware

6. Business License Number issued by the City where the Supplier's principal place of business is located.
   Number: 3162246 1808105 Issuing City: State of California State of Ohio

7. Supplier Federal Tax Identification Number: 80-0244824

8. Emergency Contact: Name: PROSAR then contact Erik Diehl
   Phone Number: 866-923-4919 Dir. Manufacturing W. Region 651-724-3308

9. Order Contact: Name: Chris Peppley
   Address: 1717 E Fargo Ave, Nampa, ID 83687
   Phone Number: (208) 466-8437 Fax Number: (208) 466-8989
   Email: FSA@duboischemicals.com

10. References:

Company/Agency Name	Contact Name	Phone Number
1) Escondido, CA	Natisha Tuua	760-839-5466
2) MWD Southern CA	Angelo Sarao	213-217-7610
3) East Bay MUD, CA	John Grimes	510-287-0316

11. Chemical Manufacturer's name and address (if different from Bidder):
    Domestic: JR Simplot, Rock Springs, WY

March 13, 2026

DuBois Chemicals, Inc.
Attn: Andrew Paulson
3630 East Kemper Road
Sharonville, OH 45252

RE: Award Contract in Response to Bay Area Chemical Consortium (BACC) Bid No. 08-2026 for Supply and Delivery of Hydrofulsilicic Acid.

Dear Mr. Paulson -

We are pleased to advise you that the bid submitted by DuBois Chemicals, Inc. for Bid No. 08-2026 was determined to be the lowest responsive bid for the supply and delivery of Hydrofulsilicic Acid during the period July 1, 2026 through June 30, 2027.

The participating BACC Agencies should be contacting you shortly to discuss entering into contracts with DuBois Chemicals, Inc. for their respective facilities.

Bay Area Chemical Consortium sincerely appreciates your efforts and participation in the competitive bid process.

If you have any questions, please free to contact me at jdyment@bacwa.org

Sincerely,

Jennifer Dyment
Assistant Executive Director
BACWA.org
as Coordinating Agency for the Bay Area Chemical Consortium

SINGLE BID AWARD

Section	Hydrofulsilicic Acid 23-24%					
Description	**East Bay**	**Marin Sonoma Napa**	**North Bay**	**Sacramento**	**South Bay**	**Tri Valley**
Unit of Measure	gal	gal	gal	gal	gal	gal
DuBois Chemicals, Inc.	3.2200	6.0000	3.1000	3.2300	3.1300	3.4700
Pencco, Inc	7.3100	7.2600	7.1900	7.2500	7.2100	7.7600

Per Section 2.16 Method of Award

Bids may be awarded by the participating BACC agencies to the lowest, responsive, and responsible bidder meeting the specifications for bulk loads for the chemical. The lowest responsive bidder will be determined by multiplying the estimated annual quantity for each participating BACC agency by the bid price for their region, and adding up the aggregate cost to all of the participating agencies in the regions. The ***single bid*** *that results in the lowest overall cost to the participating agencies as a group will be determined by BACC to be the low bid, assuming the bid is determined by BACC to be complete and in compliance with the bid requirements. BACC has the right to delete terms or options from the bid contract documents and reserves the right to reject any and all bids and to waive irregularities of said bids.*

Single Bid Award

Aggregate Cost Calculation:	**East Bay**	**Marin Sonoma Napa**	**North Bay**	**Sacramento**	**South Bay**	**Tri Valley**	
Estimated annual quantity	**26,000**	**28,000**	**97,780**	**176,000**	**45,000**	**23,400**	
DuBois Chemicals, Inc.	$83,720.00	$168,000.00	$303,118.00	$568,480.00	$140,850.00	$81,198.00	$1,345,366.00 Overall lowest
Pencco, Inc	$190,060.00	$203,280.00	$703,038.20	$1,276,000.00	$324,450.00	$181,584.00	$2,878,412.20

Company Information 2026

Company Name:	DuBois Chemicals, Inc.
Company Corporate Address:	3630 E. Kemper Rd. Sharonville, OH 45241
Phone Number:	1-800-438-2647
Fax Number:	1-800-543-1720
Federal Tax ID#:	80-0244824
State of Formation:	Delaware
Payment Remit to Address:	DuBois Chemicals, Inc. 2659 SOLUTION CENTER CHICAGO, IL 60677-2066
Bids & Contracts:	Mailing Address: 1717 E Fargo Ave Nampa, ID 83687
Group Email:	BIDS@duboischemicals.com

Andrew Paulson
Municipal Bid Specialist
Phone: (253) 339-1425
Email: Andrew.Paulson@duboischemicals.com

Angela "Beth" Degeyter
Municipal Bid Specialist
Phone: (225) 494-3579
Email: Angela.Degeyter@duboischemicals.com

Laura Lanthier - Manager, FSA & Municipal Bids
Phone: (208) 932-6615
Email: Laura.Lanthier@duboischemicals.com

Fluorosilicic Acid Order Placement:
Email: FSA@duboischemicals.com

Customer Service
Office: (208) 466-8437
Fax: (208) 466-8989

Chris Peppley - Customer Service Manager
Direct Line: (208) 714-6931
Christine.Peppley@duboischemicals.com

Alternate Contact: Sarah Ruiz
Direct Line: (208) 475-2561
Sarah.Ruiz@duboischemicals.com

Soda Ash and Other Chemical Order Placement:
Email: BHS_IDOrders@duboischemicals.com
& Copy: Gia.Frederick@duboischemicals.com

Toll Free: (800) 999-8233
Fax: (801) 973-8838
Customer Service
Direct Line: (801) 973-8232
Email: Gia.Frederick@duboischemicals.com

Sales Contact: Jarrod Burch - VP, Sales- Process Chemicals & Energy
Cell: (513) 446-3336
Jarrod.Burch@duboischemicals.com

The Public Health and Safety Organization

NSF Product and Service Listings

These NSF Official Listings are current as of **Monday, February 16, 2026** at 12:15 a.m. Eastern Time. Please contact NSF to confirm the status of any Listing, report errors, or make suggestions.

Alert: NSF is concerned about fraudulent downloading and manipulation of website text. Always confirm this information by clicking on the below link for the most accurate information: http://info.nsf.org/Certified/PwsChemicals/Listings.asp?CompanyName=DuBois+Chemicals&ChemicalName=Fluorosilicic+Acid&

NSF/ANSI/CAN 60
Drinking Water Treatment Chemicals - Health Effects

DuBois Chemicals, Inc.
3630 East Kemper Road
Sharonville, OH 45241
United States
800-438-2647
Visit this company's website (http://www.duboischemicals.com)

Facility : Fremont, CA

Fluorosilicic Acid

Trade Designation	*Product Function*	*Max Use*
Fluorosilicic Acid	Fluoridation	5mg/L

Facility : Vernon, CA

Fluorosilicic Acid

Trade Designation	*Product Function*	*Max Use*
Fluorosilicic Acid	Fluoridation	5mg/L

Facility : Nampa, ID

Fluorosilicic Acid

Trade Designation	*Product Function*	*Max Use*
Fluorosilicic Acid	Fluoridation	5mg/L

Facility : Granite City, IL

Fluorosilicic Acid

Trade Designation	*Product Function*	*Max Use*
Fluorosilicic Acid 5	Coagulation & Flocculation	5mg/L

Facility : Distribution Center - Seattle, WA

Fluosilicic Acid

Trade Designation	*Product Function*	*Max Use*
Fluosilicic Acid	Fluoridation	6mg/L
Hydrofluosilicic Acid	Fluoridation	6mg/L

Number of matching Manufacturers is 1
Number of matching Products is 6
Processing time was 0 seconds

The Public Health and Safety Organization

NSF Product and Service Listings

These NSF Official Listings are current as of **Monday, February 16, 2026** at 12:15 a.m. Eastern Time. Please contact NSF to confirm the status of any Listing, report errors, or make suggestions.

Alert: NSF is concerned about fraudulent downloading and manipulation of website text. Always confirm this information by clicking on the below link for the most accurate information: http://info.nsf.org/Certified/PwsChemicals/Listings.asp?CompanyName=Simplot&ChemicalName=Fluorosilicic+Acid&

NSF/ANSI/CAN 60
Drinking Water Treatment Chemicals - Health Effects

J. R. Simplot Company
999 Main Street, Suite 1300
Boise, ID 83702
United States
208-336-2110
Visit this company's website (http://www.simplot.com)

Facility : Rock Springs, WY

Fluosilicic Acid

Trade Designation	*Product Function*	*Max Use*
Fluorosilicic Acid	Fluoridation	5mg/L
Fluosilicic Acid	Fluoridation	5mg/L
Hydrofluosilicic Acid	Fluoridation	5mg/L

Number of matching Manufacturers is 1

Number of matching Products is 3

Processing time was 0 seconds

Simplot
INDUSTRIAL PRODUCTS

PRODUCT DATA SHEET



WATER FLUORIDATION

FLUOROSILICIC ACID (FSA)

HYDROFLUOROSILICIC ACID (HFS)

NSF(3) & AWWA(4) CERTIFIED

Chemical Properties	Specification Maximum(1)(2)	Typical(1)
ASSAY	23.0% Min – 25.0% Max	24.0%
FLUORINE (F)	18.0% Min	19.0%
LEAD (Pb)	200.0	0.4
HYDROFLUORIC ACID (HF)	1.0% Max	0.5%
ARSENIC (As)		<40.0
IRON (Fe)		20.0
PHOSPHATE (P_2O_5)		<200.0

Physical Properties

Chemical Formula (H_2SiF_6)

Specific Gravity @ 60°F & 24% FSA	1.23
Density (lbs/gal) @ 24% FSA	10.25
Boiling Point °F	222.5
Freezing Point °F	-4.0
Color (APHA)	<10
Visible Suspended Matter	None

Shipping Point

Rock Springs, WY

NSF

ANSI/NSF/CAN
60 Maximum Use
Rate 5 mg/L

(1) ppm unless otherwise specified
(2) Maximum unless otherwise noted
(3) Meets NSF/ANSI Standard 60
(4) Meets AWWA Standard B703-19

IMPORTANT: READ BEFORE USE. Read the entire Directions for Use, Conditions of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once. By using this product, user or buyer accepts the following Conditions, Disclaimer of Warranties, and Limitations of Liability. **CONDITIONS, DISCLAIMER OF WARRANTIES, and LIMITATIONS OF LIABILITY. CONDITIONS:** The Directions For Use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risk associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of J.R. Simplot Company and its affiliates (collectively, "Simplot"). To the extent consistent with applicable law, all such risks shall be assumed by the user or buyer. **DISCLAIMER OF WARRANTIES:** To the extent consistent with applicable law, Simplot makes no other warranties, express or implied, of merchantability or of fitness for a particular purpose or otherwise, that extend beyond the statements made on this label. No agent of Simplot is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. To the extent consistent with applicable law, Simplot disclaims any liability whatsoever for special, incidental or consequential damages resulting from the use or handling of this product. **LIMITATIONS OF LIABILITY:** To the extent consistent with applicable law, the exclusive remedy of the user or buyer for any and all losses, injuries or damages resulting from the use or handling of this product, whether in contract, warranty, tort, negligence, strict liability or otherwise, shall not exceed the purchase price paid or, at Simplot's election, the replacement of product.

J.R. SIMPLOT COMPANY
P.O. Box 70013 • Boise, ID 83707 • (208) 336-2110

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2460253.42293D

DuBois Chemicals, Inc.
Quality Assurance
3630 East Kemper Road
Sharonville, Ohio U.S.A. 45241
Tel (513) 554-4229, Fax (513) 554-4387

CERTIFICATE OF ANALYSIS

PRODUCT: **Flurosilicic Acid, 23%**
BATCH NUMBER: **GATX 4022**

DOM: **06/06/2025**
DOE: **06/06/2026**

This is to certify that the above product at the time of manufacture and shipment met our specification for the following:

CHARACTERISTIC	SPECIFICATION	RESULT
% Assay (H2SiF6)	23 – 25%	24.25
% HF	1.0% Max	0.58
%P2O5	Record	0
SPECIFIC GRAVITY (60F)	Record	1.224
Lead (Pb) ppm	Record	0.01
Arsenic ppm	Record	11.10
Color (APHA)	200 Max	5
Visible Suspended Matter	Record	None

Joseph Breen 07/02/2025
Quality Assurance Dept.
Dubois Chemicals
Select Sites manufactured under ISO 9001

QA Verification
Signed & Dated
This document is valid without a signature

Fluorosilicic Acid (FSA)

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Date of issue: 03/25/2021 Version: 1.0

SECTION 1: Identification

1.1. Identification

Product form	:	Substance
Substance name	:	Fluorosilicic Acid (FSA)
Chemical name	:	Hydro Fluorosilicic Acid (HSA)
Product code	:	M17200

1.2. Recommended use and restrictions on use

1.3. Supplier

JR Simplot Company
P.O. Box 70013
Boise, ID 83707
T 1-208-336-2110

1.4. Emergency telephone number

Emergency number : CHEMTREC 1-800-424-9300

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS-US classification

Corrosive to metals, Category 1	H290	May be corrosive to metals.
Acute toxicity (oral), Category 4	H302	Harmful if swallowed.
Skin corrosion/irritation, Category 1	H314	Causes severe skin burns and eye damage.

Full text of H statements : see section 16

2.2. GHS Label elements, including precautionary statements

GHS US labelling

Hazard pictograms (GHS US) :



Signal word (GHS US) : Danger

Hazard statements (GHS US) :
H290 - May be corrosive to metals.
H302 - Harmful if swallowed.
H314 - Causes severe skin burns and eye damage.

Precautionary statements (GHS US) :
P234 - Keep only in original container.
P260 - Do not breathe dust/fume/gas/mist/vapours/spray.
P264 - Wash hands, forearms and face thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P301+P312 - If swallowed: Call a poison center/doctor/… if you feel unwell
P301+P330+P331 - If swallowed: rinse mouth. Do NOT induce vomiting
P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower
P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 - Immediately call a poison center/doctor/…
P321 - Specific treatment (see supplemental first aid instruction on this label)
P330 - Rinse mouth.
P363 - Wash contaminated clothing before reuse.
P390 - Absorb spillage to prevent material damage.
P405 - Store locked up.
P406 - Store in corrosive resistant container with a resistant inner liner.
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/information on ingredients

3.1. Substances

Name : Fluorosilicic Acid (FSA)

Name	Product identifier	%	GHS-US classification
Water	(CAS-No.) 7732-18-5	75 – 78	Not classified
hexafluorosilicic acid	(CAS-No.) 16961-83-4	23 – 25	Skin Corr. 1B, H314

Full text of hazard classes and H-statements : see section 16

3.2. Mixtures

Not applicable

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures general : If you feel unwell, seek medical advice. Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible). Call a physician immediately.

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Allow affected person to breathe fresh air. Allow the victim to rest.

First-aid measures after skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Rinse skin with water/shower. Take off immediately all contaminated clothing. Call a physician immediately.

First-aid measures after eye contact : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.

First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention. Call a POISON CENTER/doctor if you feel unwell. Do not induce vomiting. Call a physician immediately.

4.2. Most important symptoms and effects (acute and delayed)

Potential adverse human health effects and symptoms : Based on available data, the classification criteria are not met. Harmful if swallowed.

Symptoms/effects after skin contact : Burns.

Symptoms/effects after eye contact : Serious damage to eyes.

Symptoms/effects after ingestion : Swallowing a small quantity of this material will result in serious health hazard. Burns.

4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.

Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Specific hazards arising from the chemical

Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing. Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. Evacuate unnecessary personnel. Avoid contact with skin and eyes. Do not breathe dust/fume/gas/mist/vapours/spray.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection". Equip cleanup crew with proper protection.

Emergency procedures : Ventilate area.

6.2. Environmental precautions

Avoid release to the environment. Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Take up liquid spill into absorbent material. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials. Absorb spillage to prevent material damage.

Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13. See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed : May be corrosive to metals.

Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin and eyes. Do not breathe dust/fume/gas/mist/vapours/spray.

Hygiene measures : Always wash hands after handling the product. Do not eat, drink or smoke when using this product. Wash hands, forearms and face thoroughly after handling. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a well-ventilated place. Keep cool. Keep only in the original container in a cool, well ventilated place away from : Keep container closed when not in use. Store in corrosive resistant container with a resistant inner liner. Keep only in original container. Store locked up.

Incompatible products : Strong bases. Strong acids.

Incompatible materials : Sources of ignition. Direct sunlight. Metals.

Packaging materials : Store in corrosive resistant container with a resistant inner liner.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Fluorosilicic Acid (FSA)	
No additional information available	
Water (7732-18-5)	
No additional information available	
hexafluorosilicic acid (16961-83-4)	
USA - ACGIH - Occupational Exposure Limits	
ACGIH TWA (mg/m³)	2.5 mg/m³

8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.

Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Personal protective equipment:

Avoid all unnecessary exposure.

Materials for protective clothing:

Use chemically protective clothing

Hand protection:

Acid proof gloves should be worn to prevent contact

Eye protection:

Splash proof goggles and full-face shield should be worn at all times. Safety glasses

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

Wear appropriate mask

Other information:

Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	:	Liquid
Appearance	:	Clear, colorless to pale straw liquid.
Colour	:	Colourless
Odour	:	characteristic
Odour threshold	:	No data available
pH	:	1
Melting point	:	Not applicable
Freezing point	:	No data available
Boiling point	:	105 °C
Flash point	:	No data available
Relative evaporation rate (butylacetate=1)	:	No data available
Flammability (solid, gas)	:	Non flammable.
Vapour pressure	:	No data available
Relative vapour density at 20 °C	:	No data available
Relative density	:	No data available
Solubility	:	Soluble.
Partition coefficient n-octanol/water (Log Pow)	:	No data available
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Viscosity, kinematic	:	No data available
Viscosity, dynamic	:	No data available
Explosive limits	:	No data available
Explosive properties	:	No data available
Oxidising properties	:	No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable. Not established.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Extremely high temperatures. Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Alkalis. Chlorites. Combustible solids and organic peroxides. Strong acids. Strong bases. metals. May be corrosive to metals.

10.6. Hazardous decomposition products

Corrosive fumes of fluorides. fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Harmful if swallowed.
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

Fluorosilicic Acid (FSA)	
LD50 oral rat	430 mg/kg
ATE US (oral)	430 mg/kg bodyweight

Skin corrosion/irritation : Causes severe skin burns.
pH: 1
Serious eye damage/irritation : Assumed to cause serious eye damage
pH: 1
Respiratory or skin sensitisation : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified

hexafluorosilicic acid (16961-83-4)	
IARC group	3 - Not classifiable

Reproductive toxicity : Not classified

STOT-single exposure : Not classified

STOT-repeated exposure : Not classified

Aspiration hazard : Not classified
Viscosity, kinematic : No data available

Potential adverse human health effects and symptoms : Based on available data, the classification criteria are not met. Harmful if swallowed.
Symptoms/effects after skin contact : Burns.
Symptoms/effects after eye contact : Serious damage to eyes.
Symptoms/effects after ingestion : Swallowing a small quantity of this material will result in serious health hazard. Burns.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment. Before neutralisation, the product may represent a danger to aquatic organisms.

hexafluorosilicic acid (16961-83-4)	
LC50 fish 1	> 10 mg/l (96 h; Brachydanio rerio)
Threshold limit algae 1	10 mg/l (96 h; Scenedesmus quadricauda; Cell numbers)

12.2. Persistence and degradability

Fluorosilicic Acid (FSA)	
Persistence and degradability	Not established.

Water (7732-18-5)	
Persistence and degradability	Not established.

hexafluorosilicic acid (16961-83-4)	
Persistence and degradability	Biodegradability: not applicable. Reacts with water: release of toxic/harmful substances. No (test)data on mobility of the components available. Not established.
Biochemical oxygen demand (BOD)	Not applicable
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable
BOD (% of ThOD)	Not applicable

12.3. Bioaccumulative potential

Fluorosilicic Acid (FSA)	
Bioaccumulative potential	Not established.

Water (7732-18-5)	
Bioaccumulative potential	Not established.

hexafluorosilicic acid (16961-83-4)	
Bioaccumulative potential	Not bioaccumulative. Not established.

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Other information : Avoid unintentional release to the environment.

SECTION 13: Disposal considerations

13.1. Disposal methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

Ecology - waste materials : Avoid unintentional release to the environment.

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT

Transport document description : UN1778 Fluorosilicic acid, 8, II

UN-No.(DOT) : UN1778

Proper Shipping Name (DOT) : Fluorosilicic acid

Class (DOT) : 8 - Class 8 - Corrosive material 49 CFR 173.136

Packing group (DOT) : II - Medium Danger

Hazard labels (DOT) : 8 - Corrosive



DOT Packaging Non Bulk (49 CFR 173.xxx) : 202

DOT Packaging Bulk (49 CFR 173.xxx) : 242

DOT Special Provisions (49 CFR 172.102)	:	A6 - For combination packagings, if plastic inner packagings are used, they must be packed in tightly closed metal receptacles before packing in outer packagings. A7 - Steel packagings must be corrosion-resistant or have protection against corrosion. B2 - MC 300, MC 301, MC 302, MC 303, MC 305, and MC 306 and DOT 406 cargo tanks are not authorized. B15 - Packagings must be protected with non-metallic linings impervious to the lading or have a suitable corrosion allowance. IB2 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized. N3 - Glass inner packagings are permitted in combination or composite packagings only if the hazardous material is free from hydrofluoric acid. N34 - Aluminum construction materials are not authorized for any part of a packaging which is normally in contact with the hazardous material. T8 - 4 178.274(d)(2) Normal..... Prohibited TP2 - a. The maximum degree of filling must not exceed the degree of filling determined by the following: (image) Where: tr is the maximum mean bulk temperature during transport, tf is the temperature in degrees celsius of the liquid during filling, and a is the mean coefficient of cubical expansion of the liquid between the mean temperature of the liquid during filling (tf) and the maximum mean bulk temperature during transportation (tr) both in degrees celsius. b. For liquids transported under ambient conditions may be calculated using the formula: (image) Where: d15 and d50 are the densities (in units of mass per unit volume) of the liquid at 15 C (59 F) and 50 C (122 F), respectively. TP12 - This material is considered highly corrosive to steel.
DOT Packaging Exceptions (49 CFR 173.xxx)	:	None
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	:	1 L
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	:	30 L
DOT Vessel Stowage Location	:	A - The material may be stowed ‘‘on deck’’ or ‘‘under deck’’ on a cargo vessel and on a passenger vessel.
Other information	:	No supplementary information available.

Transportation of Dangerous Goods

Transport by sea

Air transport

SECTION 15: Regulatory information

15.1. US Federal regulations

Fluorosilicic Acid (FSA)
Not listed on the United States TSCA (Toxic Substances Control Act) inventory

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

15.2. International regulations

CANADA

Water (7732-18-5)
Listed on the Canadian DSL (Domestic Substances List)

hexafluorosilicic acid (16961-83-4)
Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

No additional information available

National regulations

No additional information available

15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

Component	State or local regulations
hexafluorosilicic acid(16961-83-4)	U.S. - Massachusetts - Right To Know List; U.S. - New Jersey - Right to Know Hazardous Substance List

SECTION 16: Other information

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Other information : None.

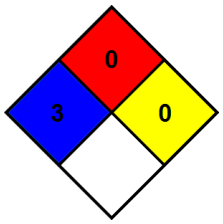
Full text of H-statements:

H290	May be corrosive to metals.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.

NFPA health hazard : 3 - Materials that, under emergency conditions, can cause serious or permanent injury.

NFPA fire hazard : 0 - Materials that will not burn under typical fire conditions, including intrinsically noncombustible materials such as concrete, stone, and sand.

NFPA reactivity : 0 - Material that in themselves are normally stable, even under fire conditions.



Hazard Rating

Health : 3 Serious Hazard - Major injury likely unless prompt action is taken and medical treatment is given

Flammability : 0 Minimal Hazard - Materials that will not burn

Physical : 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives.

SDS US (GHS HazCom 2012)

Disclaimer: This information relates to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is to the best of our knowledge and belief, accurate and reliable as of the date compiled. However, no representation, warranty or guarantee is made as to its accuracy, reliability or completeness. NO WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, IS MADE CONCERNING THE INFORMATION HEREIN PROVIDED. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use. We do not accept liability for any loss or damage that may occur from the use of this information nor do we offer warranty against patent infringement.

February 18, 2026

Bay Area Clean Water Agencies
PO Box 24055, MS 702
Oakland, CA 94623

Proposal for: BID FOR HYDROFLUOSILICIC ACID (FLUORIDE) BACC, BID NO. 08-2026

To whom it may concern,

DuBois Chemicals, Inc. is in receipt of the above RFQ, due February 19, 2026 at 4:00 P.M.

We are pleased to quote on your requirements and have done so on the attached paperwork, along with the unit prices submitted through PlanetBids.

DuBois will be utilizing two third-party haulers for the deliveries of the FSA from our Terminal locations :

- Chemical Transfer Company, Inc., (209) 466-3554, located at 3105 North El Dorado Street, Stockton, CA 95027
- Sierra Chemical Company, (916) 371-5943, located at 788 Northport Dr, West Sacramento, CA 95691

Sierra Chemical Company will deliver FSA to the Fairfax location for Marin Sonoma, and Chemical Transfer Company (AKA California Tank Lines) will deliver FSA to all the other locations. In response to the request for an affidavit that our third-party haulers can and will deliver to the BACC agencies, please see attached letters.

DuBois Chemicals appreciates the opportunity to bid and looks forward to hearing the results of your chemical requirement bid. Please feel free to contact Laura Lanthier or myself, should you have any questions.

Sincerely,

Andrew Paulson
Municipal Bid Specialist
Andrew.Paulson@duboischemicals.com
Bids@duboischemicals.com

BAY AREA CHEMICAL CONSORTIUM

REQUEST FOR BIDS
BID NO. 08-2026

FOR SUPPLY AND DELIVERY OF HYDROFLUOSILICIC ACID

BID DUE DATE: 4:00 P.M. PT, Thursday, February 19, 2026
BID OPENING DATE: 4:00 P.M. PT, Thursday, February 19, 2026

Coordinating Agency:
Bay Area Clean Water Agencies

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BAY AREA CHEMICAL CONSORTIUM
REQUEST FOR BIDS
FOR SUPPLY AND DELIVERY OF HYDROFLUOSILICIC ACID
BID NO. 08-2026

Sealed bids will only be received electronically via our electronic bid platform https://bacwa.org/about-bacc/ no later than **4:00 P.M. PT, Thursday February 19, 2026**.

1. GENERAL PROVISIONS

The Bay Area Chemical Consortium (BACC) is a cooperative group of public agencies each individually established under the laws of the State of California. For this particular bid solicitation, the participating member agencies include those listed in Section III-1, Estimated Annual Quantities. These participating BACC agencies, acting collectively through their authorized agents, are seeking competitive sealed bids for the supply and delivery of HYDROFLUOSILICIC ACID.

Sealed bids will only be received electronically via our electronic bid platform https://bacwa.org/about-bacc/ no later than 4:00 P.M. PT, Thursday February 19, 2026. Bids received after said date and time will not be considered under any circumstances.

BACC and its member agencies reserves the right to reject any and all bids and to waive informalities and immaterial irregularities or technical defects in the bids received.

If you have any questions regarding this bid, please contact the BACC Coordinators via the electronic bid platform https://bacwa.org/about-bacc/ Q&A forum. Preliminary bid results will be available via our electronic bid platform shortly after the opening date and time.

2. INSTRUCTIONS TO BIDDERS

To receive consideration, bids must be made in accordance with the following instructions:

2.1 Bid Contract Documents

Bids must be submitted only using the forms provided in Section IV, Bid Contract Documents that includes the following: **Bid Form**, **Standard Agreement**, and **Non-Collusion Affidavit**, collectively, the bid contract documents. Bidder must submit bids price per unit of measure as specified via the electronic bid platform https://bacwa.org/about-bacc/. Do not submit the Worksheet. Bid prices submitted on Worksheet will NOT be accepted. All items in the bid contract documents must be filled out completely, signed and dated. The bid contract documents may be rejected if they show any omissions, alterations of form, the addition

of information not requested, a conditional bid, or irregularities of any kind. A complete bid submittal must include all of the following components of the bid contract documents:

- A completed and signed **Bid Form**, including all the attachments requested;
- A fully executed **Standard Agreement**, including references and acknowledgement of receiving any and all addenda, with any deviations duly noted;
- A fully executed **Non-collusion Affidavit**.
- The information required by Section 2.21 as referenced in the Bid Form.
- Name and address of any Third Party Hauler as required by Section 2.5 and the Bid Form, as well as the affidavit referenced in the Bid Form.

Bidder must submit bids price per unit of measure as specified via the electronic bid platform https://bacwa.org/about-bacc/ (Line Items section).

2.2 Estimated Quantity

The quantities indicated are estimates of anticipated usage for a 12-month period and are given for informational purposes only. Nothing in these estimated annual quantities must be construed as obligating any participating BACC agency to purchase specific quantities, as these quantities may vary depending on actual operating conditions and demands during the contract term. All participating BACC agencies reserve the right to purchase any volume of the chemical listed, at the contract price, regardless of stated estimates of quantities. No price adjustments will be allowed as a result of an increase or a decrease in the quantity purchased. For this particular bid solicitation, the estimated annual chemical quantity of each participating member agencies is listed in Section III-1, Estimated Annual Quantities.

2.3 Delivery Locations

The participating BACC agencies are grouped according to their location by relative geographic region. The bidder must quote uniform bid prices for deliveries made to each of the distinct geographic regions. For this particular bid solicitation, the distinct geographic regions for each agency are defined in Section III-1, Estimated Annual Quantities, as well as in Section III-2, Delivery Details.

2.4 Bid Pricing

All bids submitted must include a base unit price, FOB destination, for the chemical for each geographic region per paragraph 2.3 Delivery Locations. Base unit price should NOT include tariffs. Bidders shall provide bid prices via the electronic bid platform https://bacwa.org/about-bacc/ including all costs associated with providing and delivering the chemical to the agency's facility, including materials, labor, equipment, transportation, insurance, overhead, profit, and all applicable taxes except sales tax in effect at the time of delivery. Bids qualified by additional or conditional charges such CPI, escalators, fuel surcharges, or transportation charges between the supplier and the final delivery points will not be allowed.

BACC agencies that use a chemical for treating water for resale may be exempt from paying sales tax, and it will be the responsibility of each BACC agency to notify the successful bidder if some or all of their purchases will be exempt from sales tax per paragraph 3.6 Taxes.

Bid prices must be based on bulk deliveries amount as specified via the electronic bid platform https://bacwa.org/about-bacc/ **.** Bids that do not include unit prices for bulk deliveries to each geographic region specified on the electronic bid platform will be considered irregular and, at the option of BACC and the participating BACC agencies, may be eliminated from further consideration. For bulk deliveries of less than this specified amount, the bidder may, at their option, assess additional charges for "short loads" unless specific requirements for smaller deliveries are described in paragraph 3.7 Delivery Requirements. Any additional "short load" charges must be shown by the bidder as a specific deviation on the bid contract documents. Bidders and/or third party haulers will not be allowed to refuse to make "short load" deliveries.

Any optional item will be shown as a separate line item in the electronic bid platform https://bacwa.org/about-bacc/ and bidders may, at their option, submit unit prices for the optional item. Bids that do not include unit prices for optional item will not be considered irregular and therefore such bids will not be rejected for that reason.

If participating BACC agencies require non-bulk deliveries in containers such as buckets, barrels, or totes, it will be shown as a separate line item in the electronic bid platform https://bacwa.org/about-bacc/ . Bidders may, at their option, submit unit prices for deliveries in buckets, barrels, or totes. Bids that do not include unit prices for buckets, barrels, or totes will not be considered irregular and therefore such bids will not be rejected for that reason. If none of the participating BACC agencies require non-bulk deliveries in containers such as buckets, barrels, or totes, the electronic bid platform https://bacwa.org/about-bacc/ will not include spaces to enter bid prices for such non-bulk deliveries in containers such as buckets, barrels, or totes, however, if a participating BACC agency later decides that they need deliveries in containers, bidders may, at their option, negotiate with the BACC agency to determine a price for deliveries in containers such as buckets, barrels, or totes.

2.5 Bidder Qualifications

A qualified bidder is one determined by BACC and the participating BACC agencies to meet standards of business competence, reputation, financial ability, and product quality. A responsive bidder is a firm/person who has submitted a bid that conforms in all material respects to the terms and conditions, the specifications of the chemical, and any other requirement of the bid instructions. A responsible bidder is a firm/person who has the capability in all aspects to perform full contract requirements, and who has the integrity and reliability that will assure good faith and specific performance. Bidders that intend to utilize a third-party hauling company for completing some or all of their deliveries must indicate the name and contact information of the third-party hauling company on the Bid Form. Before submitting a bid, the bidder must carefully examine and read all parts of the bid contract documents and be fully informed as to all existing conditions and limitations. It should be noted that, upon selection and approval of the successful bidder, the entire contents of the bid contract documents will become part of the full contract

between the participating BACC agency and successful bidder (see paragraph 3.5 Purchase Orders / Contracts).

2.6 Authorized Signatory of Bid Contract Documents

The person signing the submitted bid must be fully authorized to represent and legally bind the bidding company to the terms and conditions described herein. A corporate officer must sign bids by corporations in the corporate name. The State of incorporation must be written in below the corporate name. Bids by partnerships must be signed in the partnership's name and signed by a partner with his/her title shown.

2.7 References

The bidder must submit with the bid a list of a minimum of three references that have purchased similar chemicals and services from the bidder. The bidder must provide the company or agency name, contact name, and telephone number for each reference. Whenever possible, bidders should provide references for customers from the same geographic regions as the participating BACC agencies. Bidders may provide references from BACC agencies. These references must be shown on the Standard Agreement contained herein.

2.8 Bid Submittal

Electronic bids will only be received via the electronic bid platform https://bacwa.org/about-bacc/ **by no later than 4:00 P.M. PT, Thursday, February 19, 2026**. Electronic bids shall contain all required attachments and information. Bidders must submit bids price per unit of measure as specified via the electronic bid platform https://bacwa.org/about-bacc/ (Line Item section). Bidders are cautioned that failure to comply may result in non-acceptance of the bid. Bids received after said date and time will not be considered under any circumstances. BACC will not be responsible for any delays or transmission errors. Bidder accepts all risks of late delivery of electronic bids. It is the bidder's responsibility to ensure that bid submitted is received by the electronic bid platform https://bacwa.org/about-bacc/ prior to scheduled bid opening. Any attachment will remain sealed and will not be opened until the appointed bid opening date and time. Bidders not receiving confirmation receipt should contact the electronic bid platform vendor https://bacwa.org/about-bacc/ to make sure that their electronic submittal has gone through.

2.9 Modification, Addenda, and Interpretations

Any explanation desired by the bidders regarding the meaning or interpretation of this particular bid solicitation including the bid contract documents must be requested via the electronic bid platform Q&A Forum at least five (5) business days prior to the time set for the bid opening. Any and all such interpretations or modifications must be in the form of a written request to the BACC Coordinator via the electronic bid platform Q&A Forum. All changes to this particular bid solicitation document including the bid contract documents initiated by the BACC Coordinator will be through written addenda and furnished to all bidders via the electronic bid platform. Addendum will be issued no later than 72 hours before bid opening. Any written addendum issued 72 hours before the date and time of the bid opening will become a part of the bid contract documents and must be acknowledged on the Standard Agreement form that

each bidder submits. Failure to acknowledge any and all the addendum(s) on the Standard Agreement form may be cause for rejection of the bid.

2.10 Modification of Bids

A bidder may modify their bid via the electronic bid platform prior to the date and time of the bid opening. Modifications of any bid prices, terms and conditions must be electronically submitted via the electronic bid platform prior to the time of the bid opening. It shall be the responsibility of the respective bidder to determine if their written modification was received in time by electronic bid platform. BACC reserves the right to accept or reject any proposed modifications of the bid terms and conditions.

2.11 Withdrawal of Bids

Any bid may be withdrawn any time prior to the stated bid opening date and time (closing time) only via the electronic bid platform. The withdrawal request must be executed by the bidder or a duly authorized representative. The withdrawal of the bid does not prejudice the right of the bidder to file a new bid prior to the bid closing time. No bids may be withdrawn after the bid opening date and time.

2.12 Proposed Deviations from the Specifications by the Bidder

Any deviation from the specifications described herein or in a written addendum that is proposed by a bidder must be noted in detail on the Standard Agreement form, and a copy of the proposed specification must be attached to the Standard Agreement form at the time of submission. The absence of a proposed change in the specifications will hold the bidder strictly accountable to the specifications as described herein. If proposed deviations from the specifications are submitted, the bidder's name should be clearly shown on each document. Each BACC agency will be responsible for individually accepting or rejecting any proposed deviations from the described specifications.

2.13 Competency of Bidders

Before any contract is awarded, the bidder may be required to furnish a complete statement of financial ability and experience in performing the proposed services. In accordance with the provisions of the California Business and Professions Code and other regulations, the bidder must have and maintain current any and all necessary licenses or certificates.

2.14 Rejection of Bids

The BACC and/or its individual agencies reserves the right to reject any and all bids and reserves the right to waive a bid deficiency or reject a bid for any reason, including but not limited to the following: informalities, nonconforming, non-responsive or conditional bids, bids showing any alterations of form or erasures or irregularities of any kind, additional information not requested, incomplete bids, or bids not conforming with the instructions in any way. Bidders that plan to utilize a third-party hauling company that refused to deliver to one or more of the participating agencies in the past three (3) years will be rejected as non-responsive.

2.15 Opening Bids

A preliminary bid results showing apparent lowest bid will be available on the electronic bid platform shortly after the bid opening date / time.

2.16 Method of Award

Bids may be awarded to the lowest responsive and responsible bidder meeting the specifications for bulk loads for the chemical. The lowest responsive bidder will be determined by multiplying the estimated annual quantity for each participating BACC agency by the bid price for their region and adding up the aggregate cost to all of the participating agencies in the regions. The single bid that results in the lowest overall cost to the participating agencies as a group will be determined by BACC to be the low bid, assuming the bid is determined by BACC to be complete and in compliance with the bid requirements. BACC has the right to delete terms or options from the bid contract documents and reserves the right to reject any and all bids and to waive irregularities in said bids. The following is a non-exhaustive list of criteria that BACC may, in its sole discretion, consider in award of the bid:

a. Unit cost of the chemical
b. Product specifications
c. Warranties or standards of quality
d. Capabilities to deliver product throughout the contract term
e. Bidder's reputation, competency, and previous customer service record
f. Third party hauling company's reputation, competency, and previous customer service record (if applicable)
g. Fully executed non-collusion affidavit

2.17 Disqualification of Duplicate or Collusive Bidders

More than one bid proposal from an individual, a firm or partnership, a corporation or an association under the same or different names will not be considered. Reasonable grounds for believing that any bidder is interested in more than one bid for the bid contemplated will cause rejection of all bids in which such bidder is interested. If there is reason for believing that collusion exists among the bidders, any and all bids may be rejected. Bidders must execute and submit with their bid the Non-Collusion Affidavit included in the bid document.

2.18 Identical Bids

In the case of tied or identical bids corresponding to the proposed unit costs, BACC reserves the right to award the bid based on additional criteria. If a tied bid is not rejected for any reason as described in paragraph 2.16 Method of Award, then any additional costs described in the "Specific Deviations" such as short load adders, will be used to determine the lowest responsive bidder. If considering additional costs as described in the "Specific Deviations" still doesn't produce a winning bidder (i.e. if the tied bidders quote identical short load adder prices), then any exceptions or conditions described in the "Specific Deviations" will be considered in an effort to determine the lowest responsive bidder. If the latter still fails to produce a winning bidder, then BACC will draw lots by placing the names of the tied bidders in a hat

and drawing a name. If drawing lots is deemed necessary, BACC will schedule a time to draw lots and the tied bidders will be invited to attend and witness the drawing.

2.19 Material Warranty

Before the bid is awarded and, if applicable, the bidder may be required to furnish a complete statement of the origin, composition and manufacture of any or all chemicals to be supplied, together with samples. The samples may be subjected to tests to determine their quality and fitness for the intended uses.

2.20 Bid Summary

Bid proposals will be summarized and reviewed with the BACC agencies following the bid opening. Bid summaries or tabulations will also be provided to the responsive bidders within ten (10) business days following the bid opening. After a careful review of the bids by each of the participating BACC agencies, bids may be awarded based on the criteria outlined in paragraph 2.16 Method of Award.

2.21 Manufacturer's Information

Bidders must submit with their bid contract documents the following:

- **a.** In accordance with Section 64590, Title 22 of the California Code of Regulations (CCR), no chemical or product shall be added to drinking water by a water supplier unless the chemical or product is certified as meeting the specifications of NSF International/American National Standard Institute (NSF/ANSI) 60-2005 (Drinking Water Treatment Chemicals—Health Effects). Certification shall be from an ANSI accredited product certification organization whose certification system includes the criteria for ensuring the chemical or product meets NSF/ANSI Standard 60 per Section 64590 of the CCR. Bidders must submit an affidavit of compliance from the ANSI accredited product certification organization. Bidders must include a statement by the chemical manufacturer, signed by an authorized representative on letterhead stationery, attesting to the affidavit's validity. In lieu of submitting an affidavit of compliance and a letter attesting to the affidavit's validity, a current printout from the ANSI accredited product certification organization is acceptable.
- **b.** A representative analysis of the chemical to be supplied, as prepared by a reputable outside laboratory or bidder's in-house laboratory if ISO certified.
- **c.** Name and address of the chemical manufacturer.
- **d.** Product Bulletin and Typical Properties.
- **e.** Safety Data Sheet (SDS).

3. SPECIAL INSTRUCTIONS TO BIDDERS

3.1 Chemical Requirements

The chemical to be provided under the terms and conditions of this bid must meet the bid specifications described in the pages that follow.

3.2 Safety Requirements

The bidder, their employees, subcontractors, and/or agents must conform to the rules and regulations pertaining to safety established by the California Division of Industrial Safety, and they must adhere to all State, Federal and Occupational Safety and Health Act (OSHA) safety standards, including compliance with any applicable State or local health order related to COVID-19 while they are on the premises of any BACC agency. Furnished equipment, materials, and/or services must comply with all OSHA standards and regulations, and all applicable governmental laws and orders. The BACC agencies reserve the right to individually refuse any shipment, at their sole discretion, which cannot be unloaded using safe and proper techniques. Any such refusal must result in the return of the chemical at the successful bidder's sole expense. If requested by a participating BACC agency, the successful bidder and/or the firm providing transportation of the chemical shall submit to a safety briefing at the BACC agency's site before commencing deliveries to the respective BACC agency. The successful bidder and/or the firm providing transportation of the chemical are required to comply with the site specific safety requirements of each participating BACC agency. Bidders should be aware that some BACC agencies do not allow smoking on site. Site safety requirements will be available for review during the bid period upon request to the BACC Coordinator. In addition, if requested by a participating BACC agency, the successful bidder and/or the firm providing transportation of the chemical may be asked to review site safety materials and provide a signed acknowledgement of their receipt of the site safety materials.

3.3 Spillage

The successful bidder must be prepared to provide safety training on the safe handling and use of the chemical and emergency procedures in the event of a leak or spill. Should a chemical spill or leak result due to negligence, faulty equipment, or inferior packaging on the part of the bidder or their agents, the bidder and their agents must be responsible for cleaning the spill or leakage and for bearing any cost incurred due to spill or leakage clean-up. It must be the successful bidder's responsibility to effect immediate containment, clean-up, disposal, and restoration activities in accordance with the individual facility's requirements and any and all applicable laws and regulations. All material associated with such clean-up operations must be hauled away and lawfully disposed of at no charge to the agency where the delivery is being made. The property of the agency where the delivery is being made must not be used for such disposal. If the spill is NOT cleaned up, the agency will hire a certified hazardous material handling company to clean up the spill, and the costs incurred, including any fines or penalties which may be imposed by regulating authorities, will be charged to the bidder or deducted from amounts owed. Chemicals must stay in the possession of the bidder and must not be unloaded until accepted by the participating BACC agency. All chemicals must be delivered in accordance with Department of Transportation regulations.

3.4 Chemical Orders

All orders placed throughout the contract period, as defined in paragraph 4.11 Term of Contract, will be initiated separately by each participating BACC agency, and each BACC agency will be responsible for the coordination of all aspects of those orders with the successful bidder. Inquiries in reference to individual orders during the contract period must be directed to the appropriate BACC agency.

3.5 Purchase Orders / Contracts

Individual purchase orders, purchase agreements, and / or contracts will be issued to the successful bidder by each participating BACC agency, and all chemical sales must be invoiced separately to the respective BACC agency. Each BACC agency may require additional contract requirements specific to the agency which are not included in this bid document and bidders need to contact the agencies for specific details and perform due diligence prior to submitting a bid. The contracted unit cost of the chemical is the awarded bid price. The successful bidder may seek a price increase for any nontrivial change requested by the participating BACC agency in the terms and conditions of the participating BACC agency's purchase order, purchase agreements, and / or contracts. The successful bidder may not change the price throughout the term of the contract unless by mutual written agreement between BACC agency and successful bidder per Section 4.4 Modification of Contract.

3.6 Taxes

Pursuant to the Sales and Use Tax Law, water treatment facilities are entitled to submit *Resale Certificates* to the California State Board of Equalization which exempt that utility from paying sales tax on any chemical purchased for the expressed use of producing a consumable water product. The participating BACC agencies that provide potable and/or recycled water to customers will be responsible for providing the successful bidder with these certificates or letter documenting their determination if the chemical they seek to purchase is exempt from sales tax. BACC agencies that do not notify the successful bidder that their agency is exempt from paying sales tax shall be invoiced with sales tax shown as a separate, itemized cost on the invoice. Chemicals purchased solely for the use in wastewater treatment and disposal facilities are subject to sales tax.

3.7 Delivery Requirements

Bidders are responsible for reviewing each of the listed delivery locations or geographic regions for each participating BACC agency and ensuring that their product can be delivered to each location prior to submitting a bid. Bidders that intend to utilize the services of a third party hauling company for some or all of their deliveries are responsible for ensuring that the hauler they have selected can and will deliver their product to each location listed in Section III-2, Delivery Details, and for submitting an affidavit pertaining to assurance with their bid. Failure to provide this assurance and submit an affidavit may be cause for rejecting their bid. Delivery bills of lading must be provided for each shipment. All bulk shipments must include a weight ticket from a certified weigh station in addition to a shipping manifest. Delivery times and dates must be coordinated between the successful bidder and each participating BACC agency on a schedule that meets the needs of the BACC agency, but at no time can a delivery occur more than seven (7) days after the order is placed unless the respective BACC agency requests a later delivery. No delivery can be made when a BACC agency representative is not on site. The successful bidder must notify the BACC agency of any anticipated late deliveries at least 24 hours in advance of the scheduled delivery time and date, unless delivery delays are the result of in-route transportation delays, then notification must be provided as soon as possible to inform the BACC agency of the anticipated delivery date and time. Persistently late or cancelled deliveries (defined as three or more over the contract period) may be used as a basis for contract termination. Failure to provide notice of late delivery as required by this section may also be a basis for contract termination. Any deliveries not meeting chemical quality, regulatory,

safety, or delivery requirements will be returned to the successful bidder at no cost to the BACC agency, and must be re-delivered by the bidder within 48 hours of the unacceptable delivery.

3.8 Force Majeure

Any bidder that anticipates a workforce interruption, including due to COVID-19 restrictions, or a production shutdown that could affect delivery of the chemical must fax or e-mail notifications to all participating BACC agencies to notify them of the potential interruption in deliveries. A telephone call must also be made to each BACC agency as a follow-up notification.

3.9 Emergency Supply Plan Description

BACC requests that bidders provide a summary of plans addressing their ability to be able to continue to supply product in the event of an unexpected disaster or urgent emergency event.

3.10 Safety Data Sheet (SDS)

Bidders must submit a Safety Data Sheet (SDS) for the product offered with the bid. The successful bidder must provide a new SDS for the chemical with the first delivery or if the SDS is modified during the contract term.

3.11 Payments

Payments for all chemicals will be made individually by each participating BACC agency thirty (30) days after receipt of a complete and accurate invoice. BACC itself does not have any legal authority to conduct business and therefore cannot be held responsible for the financial arrangements made between each individual BACC agency and the successful bidder. Cash discounts for early remittance of payment must be stated on the invoice, if applicable. The bidder is responsible for submitting accurate invoices to each BACC agency. The BACC agencies are not responsible for late payments resulting from the submission of inaccurate invoices. If bidder continues to submit inaccurate invoices after being put on notice by the BACC agency, the contract between the bidder and the BACC agency may be terminated.

3.12 Legislative Impacts

In the event the legislative body of any BACC agency fails to appropriate funds for the purchase of the chemical, the respective BACC agency may terminate such contract without penalty and thereupon be released of further obligation.

3.13 Subcontracting

No portion of the bid award may be subcontracted to another chemical manufacturer or supplier without the prior written approval of all of the participating BACC agencies.

3.14 Laws and Regulations

All applicable State of California and Federal laws, City, County, and Special District ordinances, licenses, and regulations of all participating BACC agencies having jurisdiction must apply during the contract period, including any applicable State or local health order related to COVID-19.

3.15 Insurance

For services requiring the supplier's or their subcontractor's presence on any BACC agency property, the successful bidder must acquire and maintain at their expense for the duration of the term of the contract the following insurance policies: Workers' Compensation, Employer's Liability, Commercial General Liability, Business Vehicle and Automobile Liability, and Contractor's Pollution Liability Insurance coverage from insurers either (i) admitted by the California Insurance Commissioner to do business in the State of California and rated no less than A.M. Best's rating of no less than A:VII, or (ii) authorized by the BACC agency's risk manager(s) or his/her designee at any time in his/her sole discretion, all relating to the supplier's services to be performed hereunder covering the BACC agency's risks. The minimum amounts of coverage, and the breadth of coverage, corresponding to the aforesaid categories of insurance per insurable event, must be as follows, however, the insurance limits available to each participating BACC agency, their officers, officials, employees, agents and volunteers as additional insured parties, shall be the greater of the minimum limits specified herein or the full limit of any insurance proceeds available to the named insured:

INSURANCE CATEGORY	MINIMUM LIMITS
Workers' Compensation Insurance	California Statutory Minimum
Employer's Liability Insurance	$2,000,000 per accident, and $1,000,000 per employee for bodily injury or disease.
Commercial General Liability Insurance	$5,000,000 per occurrence for bodily injury, personal injury, and property damage.
Business Vehicle and Automobile Liability Insurance	$2,000,000 per accident for bodily injury and property damage.
Contractor's Pollution Liability	$1,000,000 per occurrence, $2,000,000 policy aggregate.

Prior to commencement of any performance under the contract, the successful bidder must furnish to each participating BACC agency an original Certificate of Insurance, and copies of information or declaration pages for the insurance required with respect to evidence of all policies of insurance required as noted above. All policies of insurance must be endorsed to name the respective BACC agency, their officials, officers, employees, agents, and volunteers as additional insured parties. For any claims related to the contract, bidder's insurance coverage shall be primary insurance with respect to each participating BACC agency, their officials, officers, employees, agents and volunteers. Any insurance or self-insurance maintained by any BACC agency party, their officials, officers, employees, agents and volunteers shall be excess of the bidder's insurance and shall not contribute with it. The successful bidder will be responsible for contacting each participating BACC agency to ascertain the proper name or names of the agency specific entities to be included in the endorsements.

The successful bidder must also provide each participating BACC agency with a MSC-90 endorsement, required for transporters of hazardous materials and/or wastes.

The successful bidder hereby agrees to waive subrogation which any insurer of the bidder may acquire from vendor by virtue of the payment of any loss. Bidder agrees to obtain and provide to each BACC agency any endorsement that may be necessary to affect this waiver of subrogation. The Workers' Compensation policy shall be endorsed with a waiver of subrogation in favor of each participating BACC agency for all work performed by the bidder, its employees, agents and subcontractors.

The successful bidder must maintain the required insurance at all times while the contract is in effect, and must replace any certificate, policy or endorsement which will expire prior to that date. All policies of insurance must be endorsed to provide the required insurance and must not be suspended, voided, reduced, canceled, or allowed to expire except on thirty (30) days prior written notice to each participating BACC agency. The Certificate of Insurance must have a cancellation statement worded as follows: *"Should any of the above described policies be cancelled before the expiration date thereof, the issuing company must mail thirty calendar (30) written notice to the Certificate holder named to the left."*

4. TERMS AND CONDITIONS

4.1 Indemnification

To the fullest extent allowed by law, the successful bidder and its employees, subcontractors, and agents shall defend, indemnify, and save and hold harmless each participating BACC agency, its officers, agents, employees and volunteers from any claims, suits or actions of every name, kind and description brought forth, or on account of, injuries to or death of any person (including but not limited to workers and the public), or damage to property, resulting from or arising out of the successful bidder's or its personnel, employees, agents, or subcontractors' willful misconduct or negligent act or omission while engaged in the performance of services described in this bid document, except those matters arising from the participating BACC agency's sole negligence or willful misconduct. The parties intend that this provision shall be broadly construed.

This indemnification includes, without limitation, the payment of all penalties, fines, forfeitures, judgments, awards, decrees, attorney's fees, and related costs or expenses, and the reimbursement of any BACC agency, its officials, officers, employees, agents, and volunteers for all legal expenses and costs incurred by each of them.

The successful bidder's responsibility for such defense and indemnity obligations shall survive the termination or completion of the contract for the full period of time allowed by law. The defense and indemnity obligations of the contract are undertaken in addition to, and shall not in any way be limited by, the insurance obligations contained in the contract.

If the successful bidder should subcontract all or any portion of the work to be performed under the contract, the successful bidder shall require each subcontractor to indemnify, hold harmless and defend each participating BACC agency and each of its officials, officers, employees, agents and volunteers in accordance with the terms of the preceding paragraphs.

4.2 Bid Protests

Any bid protest must be submitted electronically via email to the BACC Coordinator before 3:30 p.m. on the fifth (5th) business day following bid opening (jdyment@bacwa.org).

a. The protest document must be provided as one PDF and must contain a complete statement of the basis for the protest and all supporting documentation and evidence.
b. The party filing the protest must have actually submitted a bid for the chemical. A subcontractor of a party submitting a bid for the chemical may not submit a bid protest. A party may not rely on the bid protest submitted by another bidder, but must timely pursue its own protest.
c. The protest must refer to the specific portion of the bid document which forms the basis for the protest.
d. The protest must include the name, address and telephone number of the person representing the protesting party.
e. The party filing the protest must concurrently transmit a copy of the protest document and any attached documentation to all other parties with a direct financial interest which may be adversely affected by the outcome of the protest. Such parties shall include all other bidders who appear to have a reasonable prospect of receiving an award depending upon the outcome of the protest.
f. BACC will give the bidder that is the subject of the protest five (5) business days after the receipt of the protest to submit a written response. The responding bidder shall submit the response to the protesting bidder concurrent with delivery to BACC.
g. The procedure and time limits set forth in this paragraph are mandatory and are the bidder's sole and exclusive remedy in the event of bid protest. All protests and responses received after the time set forth herein will be rejected. The bidder's failure to comply with these procedures shall constitute a waiver of any right to further pursue the bid protest.
h. BACC will not be responsible for any delays or transmission errors. The protesting bidder accepts all risk of late delivery of electronic protests. If is the protesting bidder's responsibility to ensure that a submittal protest is received by the bid coordinator listed in this solicitation by the due date and time. Protesting bidders should contact the bid coordinator to make sure that their electronic submittal has gone through.
i. If BACC determines that a protest is frivolous, the protesting bidder may be determined to be non-responsible and that bidder may be determined to be ineligible for future contract awards.

4.3 Equal Opportunity

The successful bidder must agree not to refuse the hire, discharge, promote, or to otherwise discriminate in the matters of compensation against any person otherwise qualified solely because of race, creed, sex, national origin, ancestry, or physical handicap. It must be a condition that any company firm or corporation supplying goods or services, must be in compliance with the Americans with Disabilities (ADA) Act of 1990. A certificate stating compliance with the ADA may be required, upon request, by any BACC agency.

4.4 Modification of Contract

This bid solicitation document including the bid contract documents, in conjunction with each BACC agency's purchase order, purchase agreement and / or contract, will constitute the entire contract between each BACC agency and the successful bidder. The contract may not be modified, altered, or amended except by the mutual written agreement of the respective BACC agency and the successful bidder.

4.5 Common Language

Unless otherwise specified in this document, all words must be given their plain, common and ordinary meaning unless the context in which they are used clearly requires a different meaning. Words in the singular number include the plural, and in the plural include the singular. Additionally, words in the masculine gender include the feminine and the neuter, and when the sense so indicates, words of the neuter gender may refer to any gender.

4.6 Proprietary Information

All information included in any bid proposal that is of a propriety nature must be **clearly** marked as such. Each BACC agency must be held harmless from any claims arising from the release of proprietary information not clearly designated as such by the Bidder.

4.7 Patent Guarantee

The bidder must, with respect to any bidder's standard products, indemnify, defend and hold harmless each participating BACC agency, its employees and agents, from any and all costs and damages because of claims or litigation on account of infringement or alleged infringement of any letters patent or patent rights by reason of the sale or normal use of such products, provided that the bidder is promptly notified of all such actual or potential infringement suits, and is given an opportunity to participate in the defense of the participating BACC agencies.

4.8 Quality Control

The bidder's chemical may be inspected and/or sampled before, during, or after any delivery and tested to confirm compliance with all of the specifications. Persistent clogging, deliveries containing significant amounts of debris, and/or chemical not meeting the technical specifications will be considered to be deficiencies. If deficiencies are detected, the chemical will be rejected and the bidder will be required to remove and replace any and all of the chemical and clean the associated tanks and piping that are contaminated by a delivery that is determined to be deficient, at no cost to the participating BACC agency. If the bidder fails to remove and replace the deficient chemical in a timely manner after being notified of the problem by the participating agency, the participating agency may remove and dispose of the contaminated chemical and clean the chemical storage tank or tanks and the associated piping all at the bidder's expense. Payment for the delivered chemical will not be made until the defects are corrected and the chemical is properly replaced and accepted. Repeat failures to comply with the specifications must constitute grounds for termination of the contract.

4.9 Term of Contract

The term of the contract between the respective BACC agency and the successful bidder will be twelve (12) months commencing July 1, 2026, and expiring June 30, 2027, with an option to extend the contract on a year-to-year basis, not to exceed three (3) yearly renewals if conditions and service are satisfactory to both the respective BACC agency and the successful bidder. The price for any succeeding periods of service shall be determined by negotiation between the respective BACC agency and the successful bidder.

4.10 Good Faith Bidding and Contracting

The participating BACC agencies listed on this bid solicitation are bidding in good faith and have agreed not to extend an existing bid in lieu of contracting with the lowest responsive bidder. However, nothing in this bid solicitation shall prevent a BACC agency from rejecting all bids and separately procuring the services they require, if deemed in the best interest of their respective agency.

4.11 Termination of Contract

Any BACC agency may terminate their contract with the successful bidder for any reason by providing the successful bidder written notice of termination, and specifying the effective date thereof, at least thirty (30) days before the effective date. Termination of the contract by one BACC agency does not affect the contractual relationship between the successful bidder and any other BACC agency.

4.12 Termination for Cause

In the event of a breach of any term or provision of the contract by the successful bidder, a BACC agency may terminate the contract with respect to supply of chemicals for that agency by providing the successful bidder with written notice of such termination, and specifying the effective date thereof, at least ten (10) days before the effective date. Termination of the contract by one BACC agency does not affect the contractual relationship between the successful bidder and any other BACC agency.

4.13 Effect of Termination

Any termination by a BACC agency, with or without cause, must not affect the validity of the contract between the successful bidder and any other BACC agency, nor must such action affect any rights, remedies, or obligations of the successful bidder or any other BACC agency.

4.14 Assignment

The successful bidder must under no circumstances assign the contract without the prior written consent of each participating BACC agency. Any assignment, or attempt at assignment, made without such consent of each participating BACC agency may be considered a breach of contract.

4.15 Competitiveness and Integrity

The participating BACC agencies have assigned control of the acquisition process to the BACC coordinating agency identified in the *Notice Inviting Sealed Bids* of this document, to prevent biased evaluations and to preserve the competitiveness and integrity of such acquisition efforts. Bidders are to direct all communications regarding this bid to the designated BACC Coordinator, unless otherwise specifically

noted, or unless approved in writing by the BACC Coordinator. Attempts by bidders to circumvent this requirement will be viewed negatively and may result in rejection of the offending bidder's offer. The BACC Coordinator may refer communications to other participating BACC agencies for clarification.

-END OF SECTION-

SECTION II

BAY AREA CHEMICAL CONSORTIUM
PRODUCT TECHNICAL SPECIFICATIONS
FOR BID NO. 08-2026
HYDROFLUOSILICIC ACID

PRODUCT TECHNICAL SPECIFICATIONS
HYDROFLUOSILICIC ACID 23%

1. Chemical and Physical Properties:
   The Contractor must furnish hydrofluosilicic acid F.O.B. destination in accordance with the current version of the American Water Works Association's Standard B703-19 for Hydrofluosilicic Acid, except as modified or supplemental herein. NSF 60 certification for the chemical works of origin for this product is required at submission of bid. The Bill of lading must clearly identify the product delivered to be NSF 60 certified by stamp or type written statement – no handwritten notations will be accepted. Failure to provide clear identification of NSF product will result in rejection of the load at no cost to the BACC Agency.

2. General Specifications:
   Minimum strength of 23% hydrofluosilicic acid.

3. Disclaimer: The hydrofluosilicic acid must contain nothing that will adversely affect the public water supply or be injurious to typical hydrofluosilicic acid feeding equipment.

4. Certificate of Analysis: A Certificate of Analysis prepared by a reputable outside laboratory or bidder's in-house laboratory if ISO certified shall be submitted for each hydrofluosilicic acid delivery. The certificate of analysis shall be based on a representative sample of the specific batch or lot of chemical currently being used to make deliveries. This report shall contain the following data:
   - Date of manufacture
   - Date of delivery
   - Shipper ID
   - Acidity as % H_2SiF_6
   - % Hydrofluoric Acid (HF)
   - % Fluorine (F)
   - % Heavy metals as Pb
   - % $P_2$05
   - Specific Gravity @ 60 degrees F
   - Visible suspended matter
   - Color (APHA platinum – cobalt units)
   - Signature of Certification

   No deliveries will be accepted unless accompanied by said certificate of analysis for the specific batch or lot of chemical delivered and the quality specifications listed in the bid contract documents are met.

   a. Charges for certificate of analysis shall be included in the bid price.
   b. Failure to supply the required certificate of analysis shall be sufficient cause to reject the load.

SECTION III – 1

BAY AREA CHEMICAL CONSORTIUM
ESTIMATED ANNUAL QUANTITIES
FOR BID NO. 08-2026
HYDROFLUOSILICIC ACID

BAY AREA CHEMICAL CONSORTIUM

ESTIMATED ANNUAL QUANTITIES FOR FISCAL YEAR 2026/2027

BID NO. 08-2026

	Unit of Measure	Estimated Annual Qty for Treatment Applications: Water	Wastewater
Hydrofluosilicic Acid (Fluoride) 23%-24%	**gal**	**396,180**	**0**
East Bay			
Alameda County Water District	gal	26,000	0
		26,000	***0***
Marin Sonoma			
Marin Municipal Water District	gal	28,000	0
		28,000	***0***
North Bay			
City of Antioch	gal	20,000	0
City of Martinez	gal	5,000	0
City of Pittsburg	gal	13,000	0
Contra Costa Water District	gal	59,400	0
Diablo Water District	gal	380	0
		97,780	***0***
Sacramento			
City of Roseville	gal	45,000	0
City of Sacramento	gal	80,000	0
City of Yuba City	gal	16,000	0
Sacramento County Water Agency	gal	35,000	0
		176,000	***0***
South Bay			
Valley Water (Santa Clara Valley Water District)	gal	45,000	0
		45,000	***0***
Tri Valley			
City of Pleasanton	gal	13,400	0
Dublin San Ramon Services District	gal	10,000	0
		23,400	***0***

SECTION III – 2

BAY AREA CHEMICAL CONSORTIUM
DELIVERY DETAILS
FOR BID NO. 08-2026
HYDROFLUOSILICIC ACID

BAY AREA CHEMICAL CONSORTIUM
DELIVERY DETAILS
BID NO. 08-2026
HYDROFLUOSILICIC ACID (FLUORIDE)

The frequency of deliveries and typical delivery size are estimates of anticipated usage for a 12-month period and are given for informational purposes only and are not used in any calculations to determine the lowest overall bid (Section I, Paragraph 2.16 Method of Award).

Per Region, Agency and Delivery Facility Name and Location			Frequency of Deliveries	Typical Delivery Size
EAST BAY				
Alameda County Water District				
Blending Facility	1111 Mowry Ave	Fremont	2-3x per year	3,500 gallons
Newark Desalination Facility	6833 Redeker Place	Newark	Every 3-6 months	3,000 gallons
Water Treatment Plant No. 2	42436 Mission Blvd.	Fremont	Every 2-3 months	3,000 gallons
MARIN SONOMA NAPA				
Marin Municipal Water District				
MMWD Bon Tempe	Filter Plant Road	Fairfax	1-2x per year	4,000 gallons
MMWD Ignacio Pump Station	13 Hamilton Drive	Novato	2x per year	4,000 gallons
MMWD San Geronimo	330 San Geronimo Valley Road	Woodacre	4x per year	4,000 gallons
NORTH BAY				
City of Antioch				
City of Antioch Water Treatment Plant	401 Putnam Street	Antioch	bi-month	4,500 gallons
City of Martinez				
City of Martinez Water Treatment Plant	3003 Pacheco Blvd	Martinez	Every 10 months	4,000 gallons
City of Pittsburg				
Pittsburg Water Treatment Plant	300 Olympia Drive	Pittsburg	Bi-annual	Full truck load 50,000 lbs
Contra Costa Water District				
Bollman Water Treatment Plant	2015 Bates Ave	Concord	+/- 2 loads yearly	6,000 gallons
Randall-Bold Water Treatment Plant	3760 Neroly Rd	Oakley	approx 8x per year	6,000 gallons
Diablo Water District				
Blending Facility	2201 Laurel Road	Oakley	1x per year	380 gallons
SACRAMENTO				
City of Roseville				
Roseville Water Treatment Plant	9595 Barton Road	Granite Bay 95746	8 per year	4,000 gallons

BAY AREA CHEMICAL CONSORTIUM
DELIVERY DETAILS
BID NO. 08-2026
HYDROFLUOSILICIC ACID (FLUORIDE)

The frequency of deliveries and typical delivery size are estimates of anticipated usage for a 12-month period and are given for informational purposes only and are not used in any calculations to determine the lowest overall bid (Section I, Paragraph 2.16 Method of Award).

Per Region, Agency and Delivery Facility Name and Location			Frequency of Deliveries	Typical Delivery Size
City of Sacramento				
E.A. Fairbairn Water Treatment Plant	7501 College Town Drive	Sacramento	1x per month	4,100 gallons
Sacramento River Water Treatment Plant	301 Water Street	Sacramento	1x per month	4,100 gallons
City of Yuba City				
Water Treatment Plant	701 Northgate Drive	Yuba City	Every 3 months	4,000 gallons
Sacramento County Water Agency				
Vineyard Surface Water Treatment Plant	10151 Florin Road	Sacramento	Average once a month	2500-3500 gallons
SOUTH BAY				
Valley Water (Santa Clara Valley Water District)				
Penitencia Water Treatment Plant	3959 Whitman Way	San Jose	+/- 7x per year	4,000 gallons
Santa Teresa Water Treatment Plant	7011 Graystone Lane	San Jose	+/- 12x per year	4,000 gallons
TRI VALLEY				
City of Pleasanton				
Turnour No. 7	3033 W.Ruby Hills Dr.	Pleasanton	6 weeks	200 gallons
Turnout No. 1	2722 Santa Rita Road	Pleasanton	3 weeks/high demand 6 weeks/low demand	200 gallons
Turnout No. 3	3699 West Last Positas	Pleasanton	3 weeks/high demand 6 weeks/low demand	200 gallons
Turnout No. 4	4790 Hopyard Rd	Pleasanton	3 weeks/high demand 6 weeks/low demand	200 gallons
Turnout No. 5	3550 Nevada Street	Pleasanton	3 weeks/high demand 6 weeks/low demand	800 gallons
Turnout No. 6	1202 Machado Pl	Pleasanton	6 weeks	200 gallons
Dublin San Ramon Services District				
FOD Turnout No. 1	6402 Dougerty Road	Dublin	4x per year	2,000 - 4,000 gallons split among sites
FOD Turnout No. 2	7151 Stagecoach Road	Dublin	4x per year	2,000 - 4,000 gallons split among sites
FOD Turnout No. 4	4851 Arnold Road	Dublin	4x per year	2,000 - 4,000 gallons split among sites
FOD Turnout No. 5	Fallon Road	Dublin	4x per year	2,000 - 4,000 gallons split among sites

SECTION III – 3

BAY AREA CHEMICAL CONSORTIUM
PARTICIPATING MEMBER AGENCY CONTACT LIST
FOR BID NO. 08-2026
HYDROFLUOSILICIC ACID

BAY AREA CHEMICAL CONSORTIUM
PARTICIPATING MEMBER AGENCY CONTACT LIST
BID NO. 08-2026
HYDROFLUOSILICIC ACID (FLUORIDE)

East Bay

ALAMEDA COUNTY WATER DISTRICT
43885 South Grimmer Blvd Fremont, CA 94538

Mike Wickham Water Production Manager	mike.wickham@acwd.com	510-668-6516
Cris Pena Engineering Supervisor	Cris.Pena@acwd.com	510-668-6541
Renee Gonzalez Buyer	renee.gonzalez@acwd.com	510-668-4294
Cynthia Ha Water Production Process Engineer	Cynthia.ha.@acwd.com	510-668-6547

Marin Sonoma Napa

MARIN MUNICIPAL WATER DISTRICT
220 Nellen Avenue Corte Madera, CA 94925

Matthew Steiner Water Quality Manager	msteiner@marinwater.org	415-945-1577
Jim Kenney Superintendent of Operations, Water Treatment ** Call Jim first	jkenney@marinwater.org	415-945-1501
Danelle Graham Senior Buyer	dgraham@marinwater.org	415-945-1402

North Bay

CITY OF ANTIOCH
Water Treatment Plant P.O. Box 5007 Antioch, CA 94531-5007

Santiago Moreno	smoreno@antiochca.gov	
Operator on Duty		925-382-4246
Marcus Woodland	Mwoodland@antiochca.gov	925-779-7029

CITY OF MARTINEZ
525 Henrietta Street Martinez, CA 94553

Hiren Patel Water Operations Supervisor	hpatel@cityofmartinez.org	925-372-3588
George Pavlov Water Superintendent	gpavlov@cityofmartinez.org	925-372-3587

CITY OF PITTSBURG
Water Treatment Plant 300 Olympia Drive Pittsburg, CA 94565

Mike Silva Water Plant Supervisor	Msilva@pittsburgca.gov	925 252-6934
Jason Moser Water Treatment Plant Superintendent	jmoser@pittsburgca.gov	925-252-6997

BAY AREA CHEMICAL CONSORTIUM
PARTICIPATING MEMBER AGENCY CONTACT LIST
BID NO. 08-2026
HYDROFLUOSILICIC ACID (FLUORIDE)

CONTRA COSTA WATER DISTRICT
1331 Concord Ave Concord, CA 94520-4907

Judy Phan	Purchasing Officer	jphan@ccwater.com	925-688-8220
Ken Dooley	Water Treatment Supervisor	kdooley@ccwater.com	925-625-6601
Nicole Quesada	Administrative Analyst	nquesada@ccwater.com	925-625-6602
Kim Waddy	Buyer	kwaddy@ccwater.com	925-688-8012

DIABLO WATER DISTRICT
87 Carol Lane Oakley, CA 94561-0127

Nacho Mendoza	Manager of Water Operations	nmendoza@diablowater.org	925-625-2112

Sacramento

CITY OF ROSEVILLE
311 Vernon Street Roseville, CA 95678

Shannon Wiest	Purchasing and Warehouse Manager	swiest@roseville.ca.us	916-746-1112
Becky Philipp	Purchasing Supervisor	bphilipp@roseville.ca.us	916-746-1110

CITY OF SACRAMENTO
Department of Utilities 5730 24th Street, Bldg 22 Sacramento, CA 95822

David Herrmann	Division Manager, Water Division	dherrmann@cityofsacramento.org	916-808-5652
Dalton Le	Program Specialist, Water Division	DMLe@cityofsacramento.org	916-808-6008
Andrew Costan	Program Specialist	acostan@cityofsacramento.org	916-808-6339

BAY AREA CHEMICAL CONSORTIUM
PARTICIPATING MEMBER AGENCY CONTACT LIST
BID NO. 08-2026
HYDROFLUOSILICIC ACID (FLUORIDE)

CITY OF YUBA CITY

Utilities Department 701 Northgate Drive Yuba City, CA 95991

Kaylashia Byrd	Finance Administrative Analyst	kbyrd@yubacity.net	530-822-4659
Mylaina McMurray	Utilities Administrative Analyst	mmcmurray@yubacity.net	530-822-5365
Joseph Jones	Finance Accounting Manager	jjones@yubacity.net	530-822-4803
Jennifer Troche	Utilities Administrative Assistant	utilitiesadmin@yubacity.net	530-822-7571
Christian Elder	Water Treatment Plant Supervisor	celder@yubacity.net	530-822-4759
Finance Department	Purchasing Team	purchasing@yubacity.net	530-822-4618
Veronica Kemmerly	Accountant I	vkemmerly@yubacity.net	530-822-4646
Mike Finnigan	Wastewater Treatment Facility Supervisor	mfinniga@yubacity.net	530-822-7696
Scarlett Harris	Utilities Administrative Manager	sharris@yubacity.net	530-822-5366
Lance Andes	Water Treatment Chief Plant Operator	landes@yubacity.net	530-822-4637
David Newgard	Wastewater Treatment Facility Chief Plant Operator	dnewgard@yubacity.net	530-822-7698

SACRAMENTO COUNTY WATER AGENCY

Vineyard Surface Water Treatment Plant 10151 Florin Road Sacramento, CA 95829

Maria Cojocari	Contract Services Officer	CojocariM@saccounty.gov	
Tom Pasterski	Water System Superintendent	pasterskit@saccounty.gov	916-876-6430
Aaron Robertson	Water System Manager	robertsona@saccounty.gov	916-875-0746

South Bay

VALLEY WATER (SANTA CLARA VALLEY WATER DISTRICT)

5750 Almaden Expressway San Jose, CA 95118

Zachary DeVine	Supervising Program Administrator	ZDevine@valleywater.org	408-630-2495
Lotina Nishijima	South Water Treatment Manager	LNishijima@valleywater.org	408-630-2795
Lei Hong	North Water Treatment Manager	LHong@valleywater.org	408-630-2761
Kelly Grabeel	Procurement Specialist	KGrabeel@valleywater.org	408-630-2397
Hortencia Gonzalez-Palencia	Senior Management Analyst	hgonzalez@valleywater.org	408-630-2489

BAY AREA CHEMICAL CONSORTIUM
PARTICIPATING MEMBER AGENCY CONTACT LIST
BID NO. 08-2026
HYDROFLUOSILICIC ACID (FLUORIDE)

Tri Valley

CITY OF PLEASANTON

Operations Service Center 3333 Busch Road Pleasanton, CA 94566-0802

Siew-Chin Yeong, P.E.	Director of Public Works	syeong@cityofpleasantonca.gov	925-931-5506
Ryan Ravalin	Utilities Systems Chief Operator	rravalin@cityofpleasanton.gov	925-931-5528

DUBLIN SAN RAMON SERVICES DISTRICT

Regional Wastewater Treatment Facility 7399 Johnson Drive Pleasanton, CA 94588

Corinne Ferreyra	Senior Management Analyst	ferreyra@dsrsd.com	925-875-2298
Danny Ward	Water/Wastewater Systems Superintendent	dward@dsrsd.com	925-875-2371
Tim Lewis	WWTP Operations Superintendent	tlewis@dsrsd.com	925-875-2300

SECTION IV

BAY AREA CHEMICAL CONSORTIUM
BID CONTRACT DOCUMENTS
FOR BID NO. 08-2026
HYDROFLUOSILICIC ACID

***** All of the following pages must be properly competed and submitted for the bid to be considered complete. *****

BAY AREA CHEMICAL CONSORTIUM
STANDARD AGREEMENT, PAGE 1 OF 2
BID NO. 08-2026
SUPPLY AND DELIVERY OF HYDROFLUOSILICIC ACID

I hereby agree to furnish HYDROFLUOSILICIC ACID identified in the attached bid forms, as solicited by the Bay Area Chemical Consortium (BACC), to one or more of the participating BACC Agencies.

Company: _____

Address: _____

City, State, ZIP: _____

Phone: _____

Email: _____

Authorized Representative: _____

Signature: _____

Date: _____

WE ACKNOWLEDGE RECEIVING ADDENDUM/ADDENDA NUMBER _____ THROUGH _____.

SPECIFIC DEVIATIONS:

☐ This box must be checked if bidder has any proposed specific deviations. Per Section 2.12 Proposed Deviations from the Specifications by the Bidder, the absence of a proposed changed in the specifications will hold the bidder strictly accountable to the specifications as described in the bid document, including any addendum.

Describe the specific deviations below. A copy of the proposed specifications must be attached to this Standard Agreement at the time of submission, with bidder's name clearly shown on each document.

_____

_____

_____

_____

_____

Description of Emergency Supply Plan: Provide a summary of vendor's plans to continue to supply product in the event of an unexpected disaster or urgent emergency event.

_____

_____

_____

STANDARD AGREEMENT, PAGE 2 OF 2

BIDDER INFORMATION

1. Legal Name of Bidder:

   _____

2. Bidder's Street Address:

   _____

3. Mailing Address:

   _____

4. Business Telephone: _____ Fax Number: _____

5. Type of Supplier:
   □ Sole Proprietor □ Partnership □ Corporation □ LLC
   If Corporation, indicate State where incorporated: _____

6. Business License Number issued by the City where the Supplier's principal place of business is located.
   Number: _____ Issuing City: _____

7. Supplier Federal Tax Identification Number: _____

8. Emergency Contact: Name: _____
   Phone Number: _____

9. Order Contact: Name: _____
   Address: _____
   Phone Number: _____ Fax Number: _____
   Email: _____

10. References:

Company/Agency Name	Contact Name	Phone Number
1)_____	_____	_____
2) _____	_____	_____
3) _____	_____	_____

11. Chemical Manufacturer's name and address (if different from Bidder):

_____
_____
_____
_____

Non-Collusion Affidavit
To Be Executed By Bidder and Submitted With Bid

State of California)
) ss.
County of _____)

_____, being first duly sworn, deposes and says that he or she is the
(Bidder's Authorized Representative)

_____ of _____ the party making the
(Title of Representative) (Legal Name of Bidder)

foregoing bid that the bid is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization, or corporation; that the bid is genuine and not collusive or sham; that the bidder has not directly or indirectly induced or solicited any other bidder to put in a false or sham bid, and has not directly or indirectly colluded, conspired, connived, or agreed with any bidder or anyone else to put in a sham bid, or that anyone shall refrain from bidding; that the bidder has not in any manner, directly or indirectly, sought by agreement, communication, or conference with anyone to fix the bid price of the bidder or any other bidder, or to fix any overhead, profit, or cost element of the bid price, or of that of any other bid, or to secure any advantage against the public body awarding the contract of anyone interested in the proposed contract; that all statements contained in the bid are true; and, further, that the bidder has not, directly or indirectly, submitted his or her bid price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, or paid, and will not pay, any fee to any corporation, partnership, company association, organization, bid depository, or to any member or agent thereof to effectuate a collusive or sham bid.

I declare under penalty of perjury under the laws of the state of California that the foregoing is true and correct.

_____
Signature of: President, Secretary,
Manager, Owner, or Representative

Subscribed and sworn to before me this, _____day of _____, 20 ___

_____
Signature of Notary Public In and For

The County of _____,

State of _____

All Signatures Must Be Witnessed By Notary

1692799v1

BAY AREA CHEMICAL CONSORTIUM
BID FORM FOR BID NO. 08-2026
FOR SUPPLY AND DELIVERY OF HYDROFLUOSILICIC ACID

Sealed bids must be submitted in a PDF format and bidders must enter bid prices into the electronic bid platform (Line Item page)
https://bacwa.org/about-bacc/

No later than 4:00 PM. PT
Thursday, February 19, 2026

Legal Name of Bidder:
_____

Business Address
_____
_____
_____
Telephone Number: _____
Facsimile Number: _____
Email Address: _____

Authorized Representative (Please Print):
_____
Signature:_____
Date: _____

I. **All costs except California State sales tax and tariffs for the purchase of HYDROFLUOSILICIC ACID must be included in the amount shown entered into the electronic bid platform (Line Item page), including any and all mill assessments, fees, excise taxes, transportation charges, etc. Any exceptions to the bid must be noted under Specific Deviations on the Standard Agreement. Bidders shall submit bids per unit of measure as specified in the electronic bid platform (Line Item page).**

II. **Bidders must submit all of the following, attached to this Bid Form:**

a. All requirements listed in Section 2.21 Manufacturer's Info.

b. If applicable, the name, address, and contact information for the third party hauling company as well as an affidavit signed by the Bidder that the third party hauler can and will deliver the chemical to each and every participating BACC Agency.

III. **Bidder Obligations**

By signing this Bid Form and entering into individual purchase orders, purchase agreements and /or contracts with BACC agencies, the bidder expressly agrees to be bound by all the provisions of the bid solicitation, including Sections I-IV.

BAY AREA CHEMICAL CONSORTIUM
Worksheet
BID NO. 08-2026
HYDROFLUOSILICIC ACID (FLUORIDE)

Refer to paragraph 2.4 Bid Pricing for full details.

Bidders shall submit bids in US$ per unit of measure indicated on this bid form, FOB Destination.
Bid prices shall be based on bulk deliveries of 1,000 gallons or more. Bidders must submit their Bid Prices via electronic bid platform - Line Items section. Do not submit Worksheet.

	Unit of Measure	Bid Price per Unit of Measure
Hydrofluosilicic Acid (Fluoride) 23%-24%		
East Bay	gal	$
Alameda County Water District		
Marin Sonoma Napa	gal	$
Marin Municipal Water District		
North Bay	gal	$
City of Antioch		
City of Martinez		
City of Pittsburg		
Contra Costa Water District		
Diablo Water District		
Sacramento	gal	$
City of Roseville		
City of Sacramento		
City of Yuba City		
Sacramento County Water Agency		
South Bay	gal	$
Valley Water (Santa Clara Valley Water District)		
Tri Valley	gal	$
City of Pleasanton		
Dublin San Ramon Services District		

DO NOT SUBMIT WORKSHEET
ENTER BID PRICES VIA ELECTRONIC BID PLATFORM

SIGNATURES

The parties have signed this Contract, effective as of the day and year first stated above.

CONTRACTOR

Under penalty of perjury, I certify that the information provided here is correct.

Signature: Andrew Paulson
Andrew Paulson (May 21, 2026 09:55:36 PDT)

Title: Municipal Bid Specialist

Additional Signature (if required):

Title:

CITY OF SACRAMENTO

A Municipal Corporation

APPROVED AS TO FORM:

Signature: Michael Voss

Title: Senior Deputy City Attorney

Reviewed By:

Signature:

Title:

Approved By:

Signature:

Title:

Additional Signature (if required):

Title:

CONTRACT #: PRC004210
CONTRACT NAME: SODIUM HYPOCHLORITE
AGREEMENT TERM: JULY 1, 2026 - JUNE 30, 2027
AUTHORIZED RENEWALS: THREE (3) ADDITIONAL ONE (1) YEAR TERMS
DEPARTMENT/DIVISION: UTILITIES / WASTEWATER & DRAINAGE

PROJECT: N/A
NOT-TO-EXCEED AMOUNT: $800,000
SOLICITATION: ALTERNATIVE METHOD
LBE (Y/N): N
COUNCIL FILE ID: 2026-01012

BAY AREA CHEMICAL CONSORTIUM
STANDARD AGREEMENT, PAGE 1 OF 2
BID NO. 13-2026
SUPPLY AND DELIVERY OF SODIUM HYPOCHLORITE 12.5%

I hereby agree to furnish SODIUM HYPOCHLORITE 12.5% identified in the attached bid forms, as solicited by the Bay Area Chemical Consortium (BACC), to one or more of the participating BACC Agencies.

Company: Pioneer Americas LLC is a wholly subsidiary of Olin Corporation
Address: 16290 Katy Freeway, Suite 600
City, State, ZIP: Houston, TX 77094
Phone: (423) 336-4421
Email: OWCMarketing_BidTeam@olin.com
Authorized Representative: Deon Carter, VP and President Chlor Alkali Division
Signature:
Date: 02/17/2026

WE ACKNOWLEDGE RECEIVING ADDENDUM/ADDENDA NUMBER _____ THROUGH _____.

SPECIFIC DEVIATIONS:

[X] This box must be checked if bidder has any proposed specific deviations. Per Section 2.12 Proposed Deviations from the Specifications by the Bidder, the absence of a proposed changed in the specifications will hold the bidder strictly accountable to the specifications as described in the bid document, including any addendum.

Describe the specific deviations below. A copy of the proposed specifications must be attached to this Standard Agreement at the time of submission, with bidder's name clearly shown on each document.
Please see attached for Specific Deviations

Description of Emergency Supply Plan: Provide a summary of vendor's plans to continue to supply product in the event of an unexpected disaster or urgent emergency event.
Olin operates additional facilities in Santa Fe Springs, CA and Henderson, NV that can be leveraged for emergency supply.

STANDARD AGREEMENT, PAGE 2 OF 2

1692799v1

BIDDER INFORMATION

1. Legal Name of Bidder:
   Pioneer Americas LLC is a wholly subsidiary of Olin Corporation

2. Bidder's Street Address:
   16290 Katy Freeway, Suite 600, Houston, TX 77094

3. Mailing Address:
   16290 Katy Freeway, Suite 600, Houston, TX 77094

4. Business Telephone: (423) 336-4421 Fax Number: (423) 336-4682

5. Type of Supplier:
   □ Sole Proprietor □ Partnership X Corporation □ LLC
   If Corporation, indicate State where incorporated: Virginia

6. Business License Number issued by the City where the Supplier's principal place of business is located.
   Number: 12082L Issuing City: Pittsburg, CA

7. Supplier Federal Tax Identification Number: 06-1420850

8. Emergency Contact: Name: Chemtrec
   Phone Number: (800) 424-9300

9. Order Contact: Name: Olin Customer Service
   Address: 16290 Katy Freeway, Suite 600, Houston, TX 77094
   Phone Number: (833) 370-3737 Fax Number: (866) 449-8036
   Email: CAPVCustomerSVCWest@olin.com

10. References:

Company/Agency Name	Contact Name	Phone Number
1) City of Roseville	Becky Philipp, Buyer II	(916) 746-1110
2) City of Santa Rosa	Jennifer Myles, Sr. Buyer	(707) 543-3709
3) Modesto Irrigation District	Daryn Weese, Buyer	(209) 526-7685

11. Chemical Manufacturer's name and address (if different from Bidder):
    K2 Pure Solutions
    950 Loveridge Rd.
    Pittsburg, CA 94565

1692799v1

March 13, 2026

Pioneer Americas LLC is a wholly owned subsidiary of Olin Corporation
Attn: Deon Carter
16290 Katy Freeway, Suite 600
Houston, TX 77094

RE: Award Contract in Response to Bay Area Chemical Consortium (BACC) Bid No. 13-2026 for Supply and Delivery of SODIUM HYPOCHLORITE 12.5% and 5.25%

Dear Mr. Carter

We are pleased to advise you that the bid submitted by Pioneer Americas LLC is a wholly owned subsidiary of Olin Corporation for Bid No. 13-2026 was determined to be the lowest responsive bid for the supply and delivery of SODIUM HYPOCHLORITE 12.5% and 5.25% in the Sacramento region during the period July 1, 2026 through June 30, 2027.

The participating BACC Agencies should be contacting you shortly to discuss entering into contracts with Pioneer Americas LLC is a wholly owned subsidiary of Olin Corporation for their respective facilities.

Bay Area Chemical Consortium sincerely appreciates your efforts and participation in the competitive bid process.

If you have any questions, please free to contact me at jdyment@bacwa.org

Sincerely,

Jennifer Dyment
Assistant Executive Director
BACWA.org
as Coordinating Agency for the Bay Area Chemical Consortium

Bay Area Clean Water Agencies
Bid Results for Project 13-2026 SODIUM HYPOCHLORITE 12.5%
Bid Due on February 19, 2026 4:00 PM (PDT)

REGIONAL BID AWARD

Section	SODIUM HYPOCHLORITE 12.5%								SODIUM HYPOCHLORITE 12.5% In 275-gal totes (Optional bid item)			Sodium Hypochlorite 12.5% In Carboys (OPTIONAL BID ITEM)	SODIUM HYPOCHLORITE 5.25% (Optional bid item)	
Description	**Central Valley**	**East Bay**	**Marin Sonoma Napa**	**North Bay**	**Peninsula**	**Sacramento**	**South Bay**	**Tri Valley**	**Central Valley**	**North Bay**	**Tri Valley**	**Marin Sonoma Napa**	**Sacramento**	
Unit of Measure	gal	gal	gal	gal	gal	gal	gal	gal	gal		gal	gal	gal	
Pur Water LLC	no bid	3.2000	no bid	no bid	3.2000	no bid	no bid	no bid	no bid	no bid	no bid	no bid	no bid	*PurWater unresponsive missing geographic regions
DURRANI INVESTMENTS CORP	2.9000	3.0500	2.9500	3.0000	3.2000	3.3000	3.1000	3.1500	no bid	no bid	no bid	no bid	no bid	*Durranni unresponsive bc they provided quarterly pricing and irregular bc they did not provide or notorize required bid document
Univar Solutions USA LLC.	3.4900	3.4700	3.4900	3.4500	3.5200	3.6100	3.4500	3.5100	no bid	no bid	no bid	no bid	no bid	
Olin Corporation	3.5450	3.5450	3.5450	3.5450	3.5450	3.5450	3.5450	3.5450	no bid	no bid	no bid	no bid	2.0000	

Per Section 2.16 Method of Award
Bids may be awarded by the participating BACC agencies to the lowest, responsive, and responsible bidder for each listed region meeting the specifications for bulk loads for the chemical. The lowest responsive bidder for this chemical will be determined for each region listed on the Bid Form. The bidder that meets the specifications and submits the lowest overall bid price for a particular region may be awarded the bid by the participating agencies in that region, assuming the bid is determined by BACC to be complete and in compliance with the bid requirements. The lowest overall bid price for each region will be determined by multiplying the estimated annual quantity for each participating agency within the particular region by the bid prices for the region, and adding up the aggregate cost. BACC has the right to delete terms or options from the bid contract documents and reserves the right to reject any and all bids and to waive irregularities in said bids.

Lowest responsive bid for each region

Section	SODIUM HYPOCHLORITE 12.5%								SODIUM HYPOCHLORITE 12.5% In 275-gal totes (Optional bid item)			Sodium Hypochlorite 12.5% In Carboys (OPTIONAL BID ITEM)	SODIUM HYPOCHLORITE 5.25% (Optional bid item)		
Description	**Central Valley**	**East Bay**	**Marin Sonoma Napa**	**North Bay**	**Peninsula**	**Sacramento**	**South Bay**	**Tri Valley**	**Central Valley**	**North Bay**	**Tri Valley**	**Marin Sonoma Napa**	**Sacramento**	**Total**	**Bid document total**
Estimated annual quantity (in gals)	**1,140,000**	**1,665,000**	**1,122,705**	**2,447,200**	**835,000**	**1,224,700**	**2,590,000**	**945,800**	**2,750**	**1,400**	**5**	**16,000**	**95,000**	12,085,560	**12,085,560**
Pur Water LLC	no bid	$5,328,000.0000	no bid	no bid	$2,672,000.0000	no bid	no bid	no bid	no bid	no bid	no bid	no bid	no bid		
DURRANI INVESTMENTS CORP	$3,306,000.0000	$5,078,250.0000	$3,311,979.7500	$7,341,600.0000	$2,672,000.0000	$4,041,510.0000	$8,029,000.0000	$2,979,270.0000	no bid	no bid	no bid	no bid	no bid		
Univar Solutions USA LLC.	$3,978,600.0000	$5,777,550.0000	$3,918,240.4500	$8,442,840.0000	$2,939,200.0000	$4,421,167.0000	$8,935,500.0000	$3,319,758.0000	no bid	no bid	no bid	no bid	no bid		
Olin Corporation	$4,041,300.0000	$5,902,425.0000	$3,979,989.2250	$8,675,324.0000	$2,960,075.0000	$4,341,561.5000	$9,181,550.0000	$3,352,861.0000	no bid	no bid	no bid	no bid	$190,000.0000		

CERTIFIED LABORATORY REPORT

Olin Chlor Alkali Products and Vinyls

1186 Lower River Road NE

Charleston, TN 37310

1-423-336-4000

Product: Sodium Hypochlorite 12.5% **Sample ID: 260202**

Production Facility: Olin-K2 **Sample Date: 2/2/2026**

Specification: BACC

Parameter	Analysis	Units	Specification	Analyst
Sodium hypochlorite, NaOCl	**13.2**	wt %	12.5 min.	Olin-Charleston
Available chlorine, Cl_2	**12.6**	wt %	11.9 min.	Olin-Charleston
Available chlorine, Cl_2	**1.26**	lbs/gal	1.05 min.	Olin-Charleston
pH	**13.0**		12-13	Estimated
Density at 60 °F	**10.00**	lbs/gal		Olin-Charleston
Specific Gravity at 60 °F	**1.200**			Olin-Charleston
Total free alkali as NaOH	**0.5**	wt %	1.5	Olin-Charleston
Total free alkali as NaOH	**0.05**	lbs/gal		Olin-Charleston
Actual NaOH	**0.4**	wt %	1.5	Olin-Charleston
Actual NaOH	**0.04**	lbs/gal	0.1	Olin-Charleston
Sodium carbonate, Na_2CO_3	**0.1**	wt %		Olin-Charleston
Sodium carbonate, Na_2CO_3	**0.01**	lbs/gal		Olin-Charleston
Insolubles	**< 0.15**	wt %	0.15	Olin-Charleston
Chlorate, ClO_3^-	**529**	mg/L	< 2380	Olin-Charleston
Bromate, BrO_3^-	**11**	mg/L	< 20	Olin-Charleston
Iron, Fe	**< 0.1**	mg/L	< 1.0	Olin-Charleston
Copper, Cu	**< 0.1**	mg/L	< 0.1	Olin-Charleston
Nickel, Ni	**< 0.1**	mg/L	< 0.1	Olin-Charleston
Cobalt, Co	**< 0.1**	mg/L	< 0.1	Olin-Charleston
Timed filtration	**1.40**	min	3.0	Olin-Charleston

(1 L through 0.8 micron at 25 mm Hg)



Casey Dover, Division Quality Chemist

Olin-Charleston is an ISO certified facility

Olin-K2 Pure Solutions L.P. is an NSF certified supplier

The Public Health and Safety Organization

NSF Product and Service Listings

These NSF Official Listings are current as of **Friday, September 23, 2022** at 12:15 a.m. Eastern Time. Please contact NSF to confirm the status of any Listing, report errors, or make suggestions.

Alert: NSF is concerned about fraudulent downloading and manipulation of website text. Always confirm this information by clicking on the below link for the most accurate information:
http://info.nsf.org/Certified/PwsChemicals/Listings.asp?Company=C0619389&Standard=060&

NSF/ANSI/CAN 60
Drinking Water Treatment Chemicals - Health Effects

Olin DBA Chlor Alkali Products DBA
Blue Cube Operations DBA KA Steel
490 Stuart Road
Cleveland, TN 37312
United States
423-336-4489
Visit this company's website (http://www.olin.com)

Facility : Pittsburg, CA

Hydrochloric Acid

Trade Designation	*Product Function*	*Max Use*
Hydrochloric Acid, 20 deg. Be'	Corrosion & Scale Control pH Adjustment	40mg/L
Hydrochloric Acid, 22 deg. Be'	Corrosion & Scale Control pH Adjustment	40mg/L
Hydrochloric Acid, Dilute	Corrosion & Scale Control pH Adjustment	40mg/L

Sodium Hydroxide

Trade Designation	*Product Function*	*Max Use*
Sodium Hydroxide, 50% Solution, Commercial Grade	Corrosion & Scale Control pH Adjustment	100mg/L
Sodium Hydroxide, 50% Solution, Membrane	Corrosion & Scale Control	100mg/L

Grade	pH Adjustment	
Sodium Hydroxide, Dilute	Corrosion & Scale Control	100mg/L
	pH Adjustment	

Sodium Hypochlorite[HY]

Trade Designation	*Product Function*	*Max Use*
L.T. Sanitizer 5.25%	Disinfection & Oxidation	200mg/L
Sodium Hypochlorite -12.5 Bacticide	Disinfection & Oxidation	84mg/L

[HY] The residual levels of chlorine (hypochlorite ion and hypochlorous acid), chlorine dioxide, chlorate ion, chloramine and disinfection by-products shall be monitored in the finished drinking water to ensure compliance to all applicable regulations. Also, reference the AWWA B300 (Hypochlorites) standard's Recommendations for the Handling and Storage of Hypochlorite Solutions appendix for information on preservation techniques for hypochlorite bleach in transit and storage.

NOTE: Only products bearing the NSF Mark on the product, product packaging, and/or documentation shipped with the product are Certified.

Number of matching Manufacturers is 1

Number of matching Products is 8

Processing time was 0 seconds

Chlorine/Bleach Plant Locations

Pittsburg, CA
(Northern & Central CA, Northern NV)
950 Loveridge Rd.
Pittsburg, CA 94565
Office: (925) 526-8112
Sales Rep: Jason Cho
Cell: (251) 895-2077
Customer Service (orders):
(833) 370-3737
Customer Service (Email):
Capvcustomerservicewest@olin.com

Santa Fe Springs, CA
(Southern CA)
11600 Pike Street
Santa Fe Springs, CA 90670
Plant Manager: Drew Sikkema
Office: (562) 692-0510
Sales Rep: Chuck Hogan
Cell (925) 200-8583
Customer Service (orders):
(833) 370-3737
Customer Service (Email):
Capvcustomerservicewest@olin.com

Remit To Address:
Pioneer Americas LLC 10728
540 W. Madison St. 4th Floor
Chicago, IL 60661
E-remittance: OlinRemits@olin.com

Henderson, NV
(AZ, NM, NV, UT, Mexico)
350 Fourth Street
Henderson, NV 89015
Plant Manager: Gil Doucet
Office: (702) 564-0356
Sales Rep: Nick Pregman
Cell: (702) 232-5542
Customer Service (orders):
(833) 370-3737
Customer Service (Email):
Capvcustomerservicewest@olin.com

Procedures For Chemical Emergencies:
- Drivers are instructed to call 911 (First)
- Contact Chemtrec (Second)
- Contact Olin Technical Support (Third)

OLIN Contact For Emergencies:

- 24 hour emergency phone number(Chemtrec):	(800) 424-9300
- Charles Burgess, Tech Services	(702) 564-0477 office (209) 207-2113 cell

Sales Specification

12.5 wt% Sodium Hypochlorite Solution

West Coast Water Treatment Specification

Characteristics	Units	Min	Max
Sodium Hypochlorite, NaOCl	wt%	12.5	15.6
Available Chlorine	wt%	11.9	14.8
Total Alkalinity[1]	wt%	0.1	1.5
Chlorate (12.5% Basis)[2]	ppm	N/A	3,570
Bromate (12.5% Basis)[2]	ppm	N/A	39
Insolubles[1]	wt%	N/A	0.15
Iron, Fe	ppm	N/A	1.5
Nickel, Ni	ppm	N/A	0.1
Copper, Cu	ppm	N/A	0.1
Cobalt, Co	ppm	N/A	0.1
Sodium Hypochlorite, NaOCl	wt%	12.5	15.6
Available Chlorine	wt%	11.9	14.8

1 – Limit set to meet ANSI/AWWA B300-18
2 – Limit set to meet NSF/ANSI Standard 60

Meets the Following
ANSI/AWWA B300-18
Registered EPA Pesticide
Certified for the NSF/ANSI Standard 60 at a maximum use level of 84 mg/L

Olin Document Information		
Specification No: NaOCl-S4	Issue Date: 04/17/2025	Sheet No.: 1 of 1

Sales Specification

5.25% Sodium Hypochlorite Solution

Characteristics	Units	Min	Max	Reported
Sodium Hypochlorite, NaOCl	wt%	5.25	6.60	X
Total Alkalinity as NaOH	wt%	0.1	1.5	X
Density @ 20°C	g/mL	N/A	N/A	X

Olin Document Information		
Specification No: CAP-060-S1	Issue Date: 04/28/2023	Sheet No.: 1 of 1

SAFETY DATA SHEET

Sodium Hypochlorite, 5 - 17%

Version	Revision Date:	SDS Number:	Date of last issue: 03-06-2020
4.0	06-14-2021	10000001223	Date of first issue: 06-14-2021

Olin Corporation (OCAP) encourages and expects you to read and understand the entire (M)SDS, as there is important information throughout the document. We expect you to follow the precautions identified in this document unless your use conditions would necessitate other appropriate methods or actions.

SECTION 1. IDENTIFICATION

Product name : Sodium Hypochlorite, 5 - 17%

Manufacturer or supplier's details

Company name of supplier : Olin Corporation (OCAP)
Address : 190 Carondelet Plaza, Suite 1530
Clayton MO 63105
Telephone : (423) 336-4850
E-mail address : INFO@OLIN.COM
Local Emergency Contact : 1-800-424-9300
Identified uses : Disinfectant.
Paper bleaching agent
Water treatment chemicals
Biocidal product
Bleaching agents, Activators and Stabilizers
Textile bleaching agent

SECTION 2. HAZARDS IDENTIFICATION

GHS classification in accordance with 29 CFR 1910.1200

Corrosive to Metals : Category 1

Skin corrosion : Category 1B

Serious eye damage : Category 1

GHS label elements

Hazard pictograms :



Signal Word : Danger

Hazard Statements : May be corrosive to metals.
Causes severe skin burns and eye damage.

Precautionary Statements :

Prevention:

P264 Wash skin thoroughly after handling.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

Response:

P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT

induce vomiting.
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.
P304 + P340 + P310 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/ doctor.
P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor.
P363 Wash contaminated clothing before reuse.
P390 Absorb spillage to prevent material damage.

Storage:
P405 Store locked up.
P406 Store in corrosive resistant container with a resistant inner liner.

Disposal:
P501 Dispose of contents/ container to an approved waste disposal plant.

Other hazards
None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Substance
Substance name : Sodium Hypochlorite, 5 - 17%

CAS-No. : 7681-52-9

Components

Chemical name	CAS-No.	Concentration (% w/w)
Sodium hypochlorite	7681-52-9	>= 5 - <= 17
Water	7732-18-5	>= 83 - <= 95
Sodium hydroxide	1310-73-2	>= 0.1 - <= 4.5

Actual concentration is withheld as a trade secret

SECTION 4. FIRST AID MEASURES

If inhaled : Move person to fresh air; if effects occur, consult a physician.
In case of skin contact : Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing. Seek medical attention if symptoms occur or irritation persists. Wash clothing before reuse.
Suitable emergency safety shower facility should be immediately available.
In case of eye contact : - Wash eyes with plenty of water for 15 minutes at least. Do not forget to remove contact lenses.
Suitable emergency eye wash facility should be immediately available.
If swallowed : Do not induce vomiting. Give one cup (8 ounces or 240 ml) of

water or milk if available and transport to a medical facility. Do not give anything by mouth unless the person is fully conscious.

Most important symptoms and effects, both acute and delayed	:	Aside from the information found under Description of first aid measures(above)any additional important symptoms and effects are described in Section 11: Toxicology Information.
Protection of first-aiders	:	First Aid responders should pay attention to self-protection and use the recommended protective clothing (chemical resistant gloves, splash protection). If potential for exposure exists refer to Section 8 for specific personal protective equipment.
Notes to physician	:	May cause asthma-like (reactive airways) symptoms. Bronchodilators, expectorants, antitussives and corticosteroids may be of help. Maintain adequate ventilation and oxygenation of the patient. Chemical eye burns may require extended irrigation. Obtain prompt consultation, preferably from an ophthalmologist. If burn is present, treat as any thermal burn, after decontamination. Due to irritant properties, swallowing may result in burns/ulceration of mouth, stomach and lower gastrointestinal tract with subsequent stricture. Aspiration of vomitus may cause lung injury. Suggest endotracheal/esophageal control if lavage is done. No specific antidote. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient. Repeated excessive exposure may aggravate preexisting lung disease.

SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	:	In case of fire, use water fog, foam, dry powder, carbon dioxide.
Unsuitable extinguishing media	:	Do NOT use water jet. May spread fire. Dry chemical extinguishing agents may react with product; use with caution.
Hazardous combustion products	:	During a fire, smoke may contain the original material in addition to combustion products of varying composition which may be toxic and/or irritating.
Further information	:	For safety reasons in case of fire, containers should be stored separately in closed containments. Do not breathe fumes.
Special protective equipment for fire-fighters	:	Wear full protective clothing and self-contained breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	:	Evacuate area. Only trained and properly protected personnel must be involved in clean-up operations. Wear suitable protective equipment. Keep upwind of spill.

Avoid breathing vapor.
Ventilate area of leak or spill.
Avoid all contact.
Keep people away from and upwind of spill/leak.
Wear suitable protective clothing.
Use appropriate safety equipment. For additional information, refer to Section 8, Exposure Controls and Personal Protection.

Environmental precautions : Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12, Ecological Information.
Do not discharge directly to a water source.
See Section 13, Disposal Considerations, for additional information.

Methods and materials for containment and cleaning up : Contain spilled material if possible.
Absorb with materials such as:
Vermiculite.
Cover with absorbent or contain. Collect and dispose.
Dike and transfer to suitable and properly labeled containers.
This material is corrosive. See SECTION 8, Exposure Controls/Personal Protection, prior to handling.
Soak up with inert absorbent material (e.g. sand, silica gel, polypropylene absorbent).

SECTION 7. HANDLING AND STORAGE

Advice on safe handling : Keep container closed.
Do not get in eyes, on skin, or on clothing.
Avoid prolonged contact with eyes, skin and clothing.
Wear personal protective equipment.
Use with adequate ventilation.
Protect from direct exposure to sunlight.
Use good general industrial hygiene practices for handling.
Wash thoroughly after handling.

Conditions for safe storage : Keep container tightly closed.
Store away from incompatible materials. See STABILITY AND REACTIVITY section.
Store under cover in a dry, clean, cool, well ventilated place away from sunlight.
Store away from oxidizing materials.
Store in original vented container.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Sodium hypochlorite	7681-52-9	STEL	2 mg/m3	US WEEL
Sodium hydroxide	1310-73-2	C	2 mg/m3	ACGIH
		C	2 mg/m3	OSHA P0
		TWA	2 mg/m3	OSHA Z-1

Engineering measures : Use local exhaust ventilation, or other engineering controls to

maintain airborne levels below exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, general ventilation should be sufficient for most operations.
Local exhaust ventilation may be necessary for some operations.

Personal protective equipment

Respiratory protection : Respiratory protection should be worn when there is a potential to exceed the exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, wear respiratory protection when adverse effects, such as respiratory irritation or discomfort have been experienced, or where indicated by your risk assessment process.
For most conditions no respiratory protection should be needed; however, if discomfort is experienced, use an approved air-purifying respirator.

Filter type : The following should be effective types of air-purifying respirators: Particulate filter.

Hand protection

Remarks : Use gloves chemically resistant to this material. Examples of preferred glove barrier materials include: Natural rubber ('latex'). Neoprene. Nitrile/butadiene rubber ('nitrile' or 'NBR'). Polyethylene. Ethyl vinyl alcohol laminate ('EVAL'). Polyvinyl chloride ('PVC' or 'vinyl'). Avoid gloves made of: Polyvinyl alcohol ('PVA'). NOTICE: The selection of a specific glove for a particular application and duration of use in a workplace should also take into account all relevant workplace factors such as, but not limited to: Other chemicals which may be handled, physical requirements (cut/puncture protection, dexterity, thermal protection), potential body reactions to glove materials, as well as the instructions/specifications provided by the glove supplier.

Eye protection : Use chemical goggles.

Skin and body protection : Use protective clothing chemically resistant to this material. Selection of specific items such as face shield, boots, apron, or full body suit will depend on the task.
Reports indicate that sodium hypochlorite can react with various fabrics usually increasing with concentration. Reactions vary significantly depending on strength of chemical, material, fabric treatment and color of dyes. Fire resistant clothing treated cotton has a stronger response than plain cotton. Poly blend fabrics and meta aramid fabric have a weaker response than natural fibers. Contact the Personal Protective Equipment manufacturer for specific information about their products.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : liquid

Color : No data available

Odor	:	pungent
Odor Threshold	:	No data available
pH	:	12 - 14 (77 °F / 25 °C)
Freezing point	:	-4 °F / -20 °C Method: Literature
Melting point/range		-4 °F / -20 °C Method: Literature
Pour point		
Softening point		
Boiling point/boiling range	:	No data available
Flash point	:	Not applicable
Evaporation rate	:	No data available
Flammability (solid, gas)	:	Not expected to form explosive dust-air mixtures.
Flammability (liquids)	:	Not expected to be a static-accumulating flammable liquid.
Self-ignition	:	The substance or mixture is not classified as pyrophoric.
Upper explosion limit / Upper flammability limit	:	Not applicable
Lower explosion limit / Lower flammability limit	:	Not applicable
Vapor pressure	:	12 mmHg
Relative vapor density	:	Not available
Relative density	:	1.082 - 1.275 (68 °F / 20 °C)
Solubility(ies)		
Water solubility	:	completely miscible
Partition coefficient: n-octanol/water	:	No data available.
Autoignition temperature	:	Not applicable
Decomposition temperature	:	No data available
Viscosity		
Viscosity, dynamic	:	No data available
Viscosity, kinematic	:	No data available
Explosive properties	:	Not applicable
Oxidizing properties	:	Not applicable

Molecular weight	:	74.5 g/mol
Metal corrosion rate	:	Corrosive to metals

Note: These are the Reference Points for these Physical Properties listed above, unless otherwise noted in their respective Physical Property value information: Boiling Point at 760 mmHg; Evaporation Rate Butyl Acetate = 1; Relative Vapor Density Air = 1; and Relative Density Water = 1.
NOTE: The physical data presented above are typical values and should not be construed as a specification.

SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	No data available
Chemical stability	:	Stable under recommended storage conditions. See Storage, Section 7.
Possibility of hazardous reactions	:	Polymerization will not occur. Stable under recommended storage conditions.
Conditions to avoid	:	contact with incompatible materials Avoid direct sunlight or ultraviolet sources. Excessive heat. contact between acids and chlorates, a component of this product mixture, can cause the generation of chlorine gas.
Hazardous decomposition products	:	Oxygen.

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Eye contact
Skin contact
Inhalation
Ingestion

Acute toxicity

Swallowing may result in burns of the mouth, throat, and gastrointestinal tract.

Components:

Sodium hypochlorite:

Acute oral toxicity	:	LD50 (Rat): 805 mg/kg Method: Estimated.
Acute inhalation toxicity	:	LC50 (Rat): > 10.5 mg/l Test atmosphere: dust/mist Assessment: The substance or mixture has no acute inhalation toxicity
Acute dermal toxicity	:	LD50 (Rat): > 1,000 mg/kg

Sodium hydroxide:

Acute oral toxicity	:	LD50 (Rabbit): 336 mg/kg Method: Estimated.

Acute inhalation toxicity : Remarks: The LC50 has not been determined.

Acute dermal toxicity : Remarks: The dermal LD50 has not been determined.

Skin corrosion/irritation

Causes severe skin burns and eye damage.

Components:

Sodium hypochlorite:

Result : Causes burns.
Remarks : Brief contact may cause skin burns. Symptoms may include pain, severe local redness and tissue damage.
Prolonged contact may cause severe skin burns. Symptoms may include pain, severe local redness, swelling, and tissue damage.

Sodium hydroxide:

Result : Causes severe burns.
Remarks : Brief contact may cause severe skin burns. Symptoms may include pain, severe local redness and tissue damage.

Serious eye damage/eye irritation

Causes severe skin burns and eye damage.

Components:

Sodium hypochlorite:

Result : Corrosive
Remarks : May cause severe irritation with corneal injury which may result in permanent impairment of vision, even blindness. Chemical burns may occur.

Sodium hydroxide:

Result : Corrosive
Remarks : May cause severe irritation with corneal injury which may result in permanent impairment of vision, even blindness. Chemical burns may occur.
Dust may irritate eyes.

Respiratory or skin sensitization

Skin sensitization

Not classified based on available information.

Respiratory sensitization

Not classified based on available information.

Components:

Sodium hypochlorite:

Assessment : Does not cause skin sensitization.
Remarks : Did not cause allergic skin reactions when tested in guinea

pigs.

Remarks : For respiratory sensitization:
No relevant data found.

Sodium hydroxide:

Assessment : Does not cause skin sensitization.
Remarks : Did not cause allergic skin reactions when tested in humans.

Remarks : For respiratory sensitization:
No relevant data found.

Germ cell mutagenicity

Not classified based on available information.

Components:

Sodium hypochlorite:

Genotoxicity in vitro : Remarks: In vitro genetic toxicity studies were negative in some cases and positive in other cases.
Animal genetic toxicity studies were predominantly negative.

Sodium hydroxide:

Genotoxicity in vitro : Remarks: In vitro genetic toxicity studies were negative.

Carcinogenicity

Not classified based on available information.

Components:

Sodium hypochlorite:

Remarks : Did not cause cancer in laboratory animals.

Sodium hydroxide:

Remarks : No relevant data found.

IARC No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

OSHA No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

NTP No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

Reproductive toxicity

Not classified based on available information.

Components:

Sodium hypochlorite:

Effects on fertility : Remarks: For similar material(s):

In animal studies, did not interfere with reproduction.
In animal studies, did not interfere with fertility.

Effects on fetal development : Remarks: Did not cause birth defects or any other fetal effects in laboratory animals.

Sodium hydroxide:

Effects on fertility : Remarks: No relevant data found.

Effects on fetal development : Remarks: No relevant data found.

STOT-single exposure

Not classified based on available information.

Components:

Sodium hypochlorite:

Assessment : Material is corrosive. Material is not classified as a respiratory irritant; however, upper respiratory tract irritation or corrosivity may be expected.

Sodium hydroxide:

Assessment : Available data are inadequate to determine single exposure specific target organ toxicity.

STOT-repeated exposure

Not classified based on available information.

Repeated dose toxicity

Components:

Sodium hypochlorite:

Remarks : Repeated exposures to dusts of this material are not anticipated to result in systemic toxicity or permanent lung injury; however, excessive exposures may cause less severe respiratory effects.

Sodium hydroxide:

Remarks : Based on available data, repeated exposures are not anticipated to cause additional significant adverse effects.

Aspiration toxicity

Not classified based on available information.

Components:

Sodium hypochlorite:

Aspiration into the lungs may occur during ingestion or vomiting, causing tissue damage or lung injury.

Sodium hydroxide:
Aspiration into the lungs may occur during ingestion or vomiting, causing tissue damage or lung injury.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Components:

Sodium hypochlorite:

Toxicity to fish	:	Remarks: Material is very highly toxic to aquatic organisms on an acute basis (LC50/EC50 <0.1 mg/L in the most sensitive species). LC50 (Pimephales promelas (fathead minnow)): 0.22 - 0.62 mg/l Exposure time: 96 h Method: Method Not Specified.
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): 0.035 mg/l Exposure time: 48 h Test Type: flow-through test Method: OECD Test Guideline 202
M-Factor (Acute aquatic toxicity)	:	10
Toxicity to fish (Chronic toxicity)	:	NOEC (Menidia peninsulae (tidewater silverside)): 0.04 mg/l Exposure time: 28 d Test Type: flow-through test Method: Other guidelines
M-Factor (Chronic aquatic toxicity)	:	1
Toxicity to microorganisms	:	EC50 (activated sludge): 28.7 mg/l

Sodium hydroxide:

Toxicity to fish	:	Remarks: May increase pH of aquatic systems to > pH 10 which may be toxic to aquatic organisms.

Persistence and degradability

Components:

Sodium hypochlorite:

Biodegradability	:	Remarks: Biodegradability is not applicable to inorganic substances.

Sodium hydroxide:

Biodegradability	:	Remarks: Biodegradability is not applicable to inorganic substances.

Bioaccumulative potential

Components:

Sodium hypochlorite:

Partition coefficient: n-octanol/water : Remarks: Bioconcentration potential is low (BCF < 100 or Log Pow < 3).
Partitioning from water to n-octanol is not applicable.

Sodium hydroxide:

Partition coefficient: n-octanol/water : Remarks: No bioconcentration is expected because of the relatively high water solubility.

Mobility in soil

Components:

Sodium hypochlorite:

Distribution among environmental compartments : Remarks: No relevant data found.

Sodium hydroxide:

Distribution among environmental compartments : Koc: 14
Method: Estimated.
Remarks: Potential for mobility in soil is very high (Koc between 0 and 50).

Other adverse effects

Components:

Sodium hypochlorite:

Results of PBT and vPvB assessment : This substance has not been assessed for persistence, bioaccumulation and toxicity (PBT).

Sodium hydroxide:

Results of PBT and vPvB assessment : This substance is not considered to be persistent, bioaccumulating and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulating (vPvB).

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues : AS YOUR SUPPLIER, WE HAVE NO CONTROL OVER THE MANAGEMENT PRACTICES OR MANUFACTURING PROCESSES OF PARTIES HANDLING OR USING THIS MATERIAL.
THE INFORMATION PRESENTED HERE PERTAINS ONLY TO THE PRODUCT AS SHIPPED IN ITS INTENDED CONDITION AS DESCRIBED IN MSDS SECTION: Composition Information.
All disposal practices must be in compliance with all Federal,

State/Provincial and local laws and regulations.
Regulations may vary in different locations.
Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator.
DO NOT DUMP INTO ANY SEWERS, ON THE GROUND, OR INTO ANY BODY OF WATER.

SECTION 14. TRANSPORT INFORMATION

International Regulations

UNRTDG

UN number	:	UN 1791
Proper shipping name	:	HYPOCHLORITE SOLUTION
Class	:	8
Packing group	:	II
Labels	:	8

IATA-DGR

UN/ID No.	:	UN 1791
Proper shipping name	:	Hypochlorite solution
Class	:	8
Packing group	:	II
Labels	:	Corrosive
Packing instruction (cargo aircraft)	:	855
Packing instruction (passenger aircraft)	:	851

IMDG-Code

UN number	:	UN 1791
Proper shipping name	:	HYPOCHLORITE SOLUTION (sodium hypochlorite)
Class	:	8
Packing group	:	II
Labels	:	8
EmS Code	:	F-A, S-B
Marine pollutant	:	yes
Remarks	:	Stowage category BHypochlorites

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

Domestic regulation

49 CFR

UN/ID/NA number	:	UN 1791
Proper shipping name	:	Hypochlorite solutions
Class	:	8
Packing group	:	II
Labels	:	CORROSIVE
ERG Code	:	154
Marine pollutant	:	yes(sodium hypochlorite)

Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data

Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

SECTION 15. REGULATORY INFORMATION

EPCRA - Emergency Planning and Community Right-to-Know

SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

This material does not contain any components with a section 302 EHS TPQ.

SARA 311/312 Hazards : Corrosive to Metals
Skin corrosion or irritation
Serious eye damage or eye irritation

SARA 313 : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

US State Regulations

Pennsylvania Right To Know

Sodium hypochlorite	7681-52-9
Sodium hydroxide	1310-73-2

California Prop. 65

This product contains no listed substances known to the State of California to cause cancer, birth defects or other reproductive harm, at levels which would require a warning under the statute.

International Regulations

Montreal Protocol : Not applicable

Rotterdam Convention (Prior Informed Consent) : Not applicable

Stockholm Convention (Persistent Organic Pollutants) : Not applicable

The ingredients of this product are reported in the following inventories:

TCSI : All intentional components are listed on the inventory, are exempt, or are supplier certified.

TSCA : All substances listed as active on the TSCA Inventory or are not required to be listed.

AICS : All intentional components are listed on the inventory, are exempt, or are supplier certified.

DSL : All substances contained in this product are listed on the Canadian Domestic Substances List (DSL) or are not required to be listed.

ENCS : All intentional components are listed on the inventory, are exempt, or are supplier certified.

ISHL : All intentional components are listed on the inventory, are exempt, or are supplier certified.

KECI : All intentional components are listed on the inventory, are exempt, or are supplier certified.

PICCS : All intentional components are listed on the inventory, are exempt, or are supplier certified.

IECSC : All intentional components are listed on the inventory, are

exempt, or are supplier certified.

NZIoC : All intentional components are listed on the inventory, are exempt, or are supplier certified.

CH INV : All intentional components are listed on the inventory, are exempt, or are supplier certified.

TSCA list

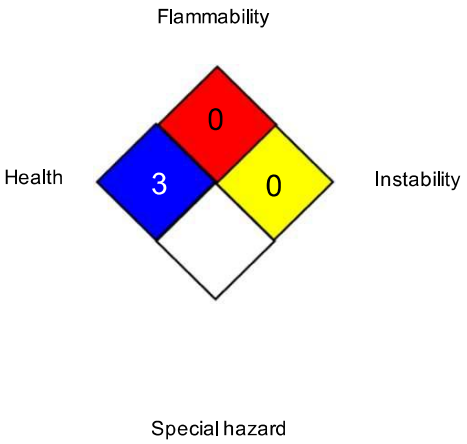
No substances are subject to a Significant New Use Rule.

No substances are subject to TSCA 12(b) export notification requirements.

SECTION 16. OTHER INFORMATION

Further information

NFPA 704:



Full text of other abbreviations

ACGIH	:	USA. ACGIH Threshold Limit Values (TLV)
OSHA P0	:	USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000
OSHA Z-1	:	USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants
US WEEL	:	USA. Workplace Environmental Exposure Levels (WEEL)
ACGIH / C	:	Ceiling limit
OSHA P0 / C	:	Ceiling limit
OSHA Z-1 / TWA	:	8-hour time weighted average
US WEEL / STEL	:	Short-Term TWA

AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule;

ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

Revision Date : 06-14-2021

Olin Corporation (OCAP) urges each customer or recipient of this (M)SDS to study it carefully and consult appropriate expertise, as necessary or appropriate, to become aware of and understand the data contained in this (M)SDS and any hazards associated with the product. The information herein is provided in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied, is given.Regulatory requirements are subject to change and may differ between various locations. It is the buyer's/user's responsibility to ensure that his activities comply with all federal, state, provincial or local laws. The information presented here pertains only to the product as shipped. Since conditions for use of the product are not under the control of the manufacturer, it is the buyer's/user's duty to determine the conditions necessary for the safe use of this product. Due to the proliferation of sources for information such as manufacturer-specific (M)SDSs, we are not and cannot be responsible for (M)SDSs obtained from any source other than ourselves. If you have obtained an (M)SDS from another source or if you are not sure that the (M)SDS you have is current, please contact us for the most current version.

US / Z8

490 Stuart Road, NE, Cleveland, Tennessee 37312
Phone: 423/336-4850 • Fax: 423/336-4830
Internet Address: www.olinchloralkali.com

Olin 3rd Party Carrier List

Quality Carriers
Brett Richardson
323-351-7483

Chemical Transfer
Frank Duran
209-466-3554

Liquid Transport
Jennifer Dana
843-338-2964

EMERGENCY RESPONSE TRAINING AND PROCEDURES

Safety Equipment Carried On Delivery Trucks:
- Emergency Response Guide Book
- Chemical protective suit, chemical protective gloves, googles, hard hat with face shield/chin guard, chemical protective boots, chemical protective gloves and respiratory protection (if applicable)
- Fire extinguisher
- Radio equipment/GPS

Equipment Inspection:
- All Trailers: VIK, UC, P, L inspections per DOT regulations
- All Tractors: "A" Inspection (37 point-critical) annually per DOT regulations

Emergency Training Received By Drivers:
- All contract carriers are to utilize drivers who are compliant and up to date with Hazmat training requirements per DOT 49 CFR 172

Procedures For Chemical Emergencies:
- Drivers are instructed to call 911 (First, if situation warrants)
- Contact Chemtrec (Second)
- Contact OLIN (Third)

Contact For Emergencies:

24-hr Emergency (CHEMTREC)	800-424-9300
Charles Burgess (Tech Services)	O-702-564-0477 C-209-207-2113
Drew Sikkema (Plant Mgr SFS)	O-562-692-0540
Gil Doucet (Plant Mgr Henderson)	C-702-250-8792

Olin
CHLOR ALKALI
PRODUCTS

PO Box 86, Henderson, NV 89009-7001
702-565-8781 • Fax: 702-565-7145

EMERGENCY SPILL RESPONSE PLAN

Should a spill or incident occur while at a Customer's site, the following procedure shall be used:

- If applicable, immediately utilize the on-board spill kit to contain small spills
- Immediately report the spill/incident to National Emergency Response Center. Olin will then be notified and contact customer.
- Driver to notify the Customer at the site.
- Protect the spill site and keep all unauthorized people away and up-wind from the spill site.

EMERGENCY RESPONSE CONTACT PHONE NUMBERS

Emergency Response Agencies (Fire, Law and Medical)	911
National Response Center	800-424-9300

USEFUL EMERGENCY NUMBERS FOR OLIN EMPLOYEES

Dave Clayton	Office	630-243-2285
	Cell	331-625-5094
Michelle Stanislawski	Office	630-243-6010
	Cell	630-414-5417
Charlie Burgess	Cell	209-207-2113
Downers Grove Dispatch	Office	800-577-3902

Each delivery unit shall have the following Emergency Spill Control Equipment on-board:

- Complete Driver PPE as Olin specified.
- Emergency Spill Kit
- Buckets

* The above items should be inspected on a monthly basis and immediately replaced after any use

BAY AREA CHEMICAL CONSORTIUM

REQUEST FOR BIDS
BID NO. 13-2026

FOR SUPPLY AND DELIVERY OF SODIUM HYPOCHLORITE 12.5%

BID DUE DATE: 4:00 P.M. PT, Thursday, February 19, 2026
BID OPENING DATE: 4:00 P.M. PT, Thursday, February 19, 2026

Coordinating Agency:
Bay Area Clean Water Agencies

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NOTICE INVITING SEALED BIDS
FOR SUPPLY AND DELIVERY OF SODIUM HYPOCHLORITE 12.5%
BAY AREA CHEMICAL CONSORTIUM (BACC)
BID NO. 13-2026

The Bay Area Chemical Consortium (BACC), a cooperative group of public agencies, is seeking competitive sealed bids for the supply and delivery of SODIUM HYPOCHLORITE 12.5%. All sealed bids to be considered for this solicitation must be received via our electronic bid platform https://bacwa.org/about-bacc/ by **4:00 P.M. PT, Thursday, February 19, 2026.** Bids received after said date and time will not be considered under any circumstances. Bids submitted by mail or by facsimile will not be accepted. BACC and its member agencies reserves the right to reject any and all bids and to waive informalities and immaterial irregularities or technical defects in the bids received.

For additional information or any questions concerning this bid, use the public Q&A Forum in our electronic bid system.

SECTION I

BAY AREA CHEMICAL CONSORTIUM
GENERAL
FOR BID NO. 13-2026
SODIUM HYPOCHLORITE 12.5%

BAY AREA CHEMICAL CONSORTIUM
REQUEST FOR BIDS
FOR SUPPLY AND DELIVERY OF SODIUM HYPOCHLORITE 12.5%
BID NO. 13-2026

Sealed bids will only be received electronically via our electronic bid platform https://bacwa.org/about-bacc/ no later than **4:00 P.M. PT, Thursday February 19, 2026**.

1. GENERAL PROVISIONS

The Bay Area Chemical Consortium (BACC) is a cooperative group of public agencies each individually established under the laws of the State of California. For this particular bid solicitation, the participating member agencies include those listed in Section III-1, Estimated Annual Quantities. These participating BACC agencies, acting collectively through their authorized agents, are seeking competitive sealed bids for the supply and delivery of SODIUM HYPOCHLORITE 12.5%.

Sealed bids will only be received electronically via our electronic bid platform https://bacwa.org/about-bacc/ no later than 4:00 P.M. PT, Thursday February 19, 2026. Bids received after said date and time will not be considered under any circumstances.

BACC and its member agencies reserves the right to reject any and all bids and to waive informalities and immaterial irregularities or technical defects in the bids received.

If you have any questions regarding this bid, please contact the BACC Coordinators via the electronic bid platform https://bacwa.org/about-bacc/ Q&A forum. Preliminary bid results will be available via our electronic bid platform shortly after the opening date and time.

2. INSTRUCTIONS TO BIDDERS

To receive consideration, bids must be made in accordance with the following instructions:

2.1 Bid Contract Documents

Bids must be submitted only using the forms provided in Section IV, Bid Contract Documents that includes the following: **Bid Form**, **Standard Agreement**, and **Non-Collusion Affidavit**, collectively, the bid contract documents. Bidder must submit bids price per unit of measure as specified via the electronic bid platform https://bacwa.org/about-bacc/. Do not submit the Worksheet. Bid prices submitted on Worksheet will NOT be accepted. All items in the bid contract documents must be filled out completely, signed and dated. The bid contract documents may be rejected if they show any omissions, alterations of form, the addition

of information not requested, a conditional bid, or irregularities of any kind. A complete bid submittal must include all of the following components of the bid contract documents:

- A completed and signed **Bid Form**, including all the attachments requested;
- A fully executed **Standard Agreement**, including references and acknowledgement of receiving any and all addenda, with any deviations duly noted;
- A fully executed **Non-collusion Affidavit**.
- The information required by Section 2.21 as referenced in the Bid Form.
- Name and address of any Third Party Hauler as required by Section 2.5 and the Bid Form, as well as the affidavit referenced in the Bid Form.

Bidder must submit bids price per unit of measure as specified via the electronic bid platform https://bacwa.org/about-bacc/ (Line Items section).

2.2 Estimated Quantity

The quantities indicated are estimates of anticipated usage for a 12-month period and are given for informational purposes only. Nothing in these estimated annual quantities must be construed as obligating any participating BACC agency to purchase specific quantities, as these quantities may vary depending on actual operating conditions and demands during the contract term. All participating BACC agencies reserve the right to purchase any volume of the chemical listed, at the contract price, regardless of stated estimates of quantities. No price adjustments will be allowed as a result of an increase or a decrease in the quantity purchased. For this particular bid solicitation, the estimated annual chemical quantity of each participating member agencies is listed in Section III-1, Estimated Annual Quantities.

2.3 Delivery Locations

The participating BACC agencies are grouped according to their location by relative geographic region. The bidder must quote uniform bid prices for deliveries made to each of the distinct geographic regions. For this particular bid solicitation, the distinct geographic regions for each agency are defined in Section III-1, Estimated Annual Quantities, as well as in Section III-2, Delivery Details.

2.4 Bid Pricing

All bids submitted must include a base unit price, FOB destination, for the chemical for each geographic region per paragraph 2.3 Delivery Locations. Base unit price should NOT include tariffs. Bidders shall provide bid prices via the electronic bid platform https://bacwa.org/about-bacc/ including all costs associated with providing and delivering the chemical to the agency's facility, including materials, labor, equipment, transportation, insurance, overhead, profit, and all applicable taxes except sales tax in effect at the time of delivery. Bids qualified by additional or conditional charges such CPI, escalators, fuel surcharges, or transportation charges between the supplier and the final delivery points will not be allowed.

BACC agencies that use a chemical for treating water for resale may be exempt from paying sales tax, and it will be the responsibility of each BACC agency to notify the successful bidder if some or all of their purchases will be exempt from sales tax per paragraph 3.6 Taxes.

Bid prices must be based on bulk deliveries amount as specified via the electronic bid platform https://bacwa.org/about-bacc/ **.** Bids that do not include unit prices for bulk deliveries to each geographic region specified on the electronic bid platform will be considered irregular and, at the option of BACC and the participating BACC agencies, may be eliminated from further consideration. For bulk deliveries of less than this specified amount, the bidder may, at their option, assess additional charges for "short loads" unless specific requirements for smaller deliveries are described in paragraph 3.7 Delivery Requirements. Any additional "short load" charges must be shown by the bidder as a specific deviation on the bid contract documents. Bidders and/or third party haulers will not be allowed to refuse to make "short load" deliveries.

Any optional item will be shown as a separate line item in the electronic bid platform https://bacwa.org/about-bacc/ and bidders may, at their option, submit unit prices for the optional item. Bids that do not include unit prices for optional item will not be considered irregular and therefore such bids will not be rejected for that reason.

If participating BACC agencies require non-bulk deliveries in containers such as buckets, barrels, or totes, it will be shown as a separate line item in the electronic bid platform https://bacwa.org/about-bacc/ . Bidders may, at their option, submit unit prices for deliveries in buckets, barrels, or totes. Bids that do not include unit prices for buckets, barrels, or totes will not be considered irregular and therefore such bids will not be rejected for that reason. If none of the participating BACC agencies require non-bulk deliveries in containers such as buckets, barrels, or totes, the electronic bid platform https://bacwa.org/about-bacc/ will not include spaces to enter bid prices for such non-bulk deliveries in containers such as buckets, barrels, or totes, however, if a participating BACC agency later decides that they need deliveries in containers, bidders may, at their option, negotiate with the BACC agency to determine a price for deliveries in containers such as buckets, barrels, or totes.

2.5 Bidder Qualifications

A qualified bidder is one determined by BACC and the participating BACC agencies to meet standards of business competence, reputation, financial ability, and product quality. A responsive bidder is a firm/person who has submitted a bid that conforms in all material respects to the terms and conditions, the specifications of the chemical, and any other requirement of the bid instructions. A responsible bidder is a firm/person who has the capability in all aspects to perform full contract requirements, and who has the integrity and reliability that will assure good faith and specific performance. Bidders that intend to utilize a third-party hauling company for completing some or all of their deliveries must indicate the name and contact information of the third-party hauling company on the Bid Form. Before submitting a bid, the bidder must carefully examine and read all parts of the bid contract documents and be fully informed as to all existing conditions and limitations. It should be noted that, upon selection and approval of the successful bidder, the entire contents of the bid contract documents will become part of the full contract

between the participating BACC agency and successful bidder (see paragraph 3.5 Purchase Orders / Contracts).

2.6 Authorized Signatory of Bid Contract Documents

The person signing the submitted bid must be fully authorized to represent and legally bind the bidding company to the terms and conditions described herein. A corporate officer must sign bids by corporations in the corporate name. The State of incorporation must be written in below the corporate name. Bids by partnerships must be signed in the partnership's name and signed by a partner with his/her title shown.

2.7 References

The bidder must submit with the bid a list of a minimum of three references that have purchased similar chemicals and services from the bidder. The bidder must provide the company or agency name, contact name, and telephone number for each reference. Whenever possible, bidders should provide references for customers from the same geographic regions as the participating BACC agencies. Bidders may provide references from BACC agencies. These references must be shown on the Standard Agreement contained herein.

2.8 Bid Submittal

Electronic bids will only be received via the electronic bid platform https://bacwa.org/about-bacc/ **by no later than 4:00 P.M. PT, Thursday, February 19, 2026**. Electronic bids shall contain all required attachments and information. Bidders must submit bids price per unit of measure as specified via the electronic bid platform https://bacwa.org/about-bacc/ (Line Item section). Bidders are cautioned that failure to comply may result in non-acceptance of the bid. Bids received after said date and time will not be considered under any circumstances. BACC will not be responsible for any delays or transmission errors. Bidder accepts all risks of late delivery of electronic bids. It is the bidder's responsibility to ensure that bid submitted is received by the electronic bid platform https://bacwa.org/about-bacc/ prior to scheduled bid opening. Any attachment will remain sealed and will not be opened until the appointed bid opening date and time. Bidders not receiving confirmation receipt should contact the electronic bid platform vendor https://bacwa.org/about-bacc/ to make sure that their electronic submittal has gone through.

2.9 Modification, Addenda, and Interpretations

Any explanation desired by the bidders regarding the meaning or interpretation of this particular bid solicitation including the bid contract documents must be requested via the electronic bid platform Q&A Forum at least five (5) business days prior to the time set for the bid opening. Any and all such interpretations or modifications must be in the form of a written request to the BACC Coordinator via the electronic bid platform Q&A Forum. All changes to this particular bid solicitation document including the bid contract documents initiated by the BACC Coordinator will be through written addenda and furnished to all bidders via the electronic bid platform. Addendum will be issued no later than 72 hours before bid opening. Any written addendum issued 72 hours before the date and time of the bid opening will become a part of the bid contract documents and must be acknowledged on the Standard Agreement form that

each bidder submits. Failure to acknowledge any and all the addendum(s) on the Standard Agreement form may be cause for rejection of the bid.

2.10 Modification of Bids

A bidder may modify their bid via the electronic bid platform prior to the date and time of the bid opening. Modifications of any bid prices, terms and conditions must be electronically submitted via the electronic bid platform prior to the time of the bid opening. It shall be the responsibility of the respective bidder to determine if their written modification was received in time by electronic bid platform. BACC reserves the right to accept or reject any proposed modifications of the bid terms and conditions.

2.11 Withdrawal of Bids

Any bid may be withdrawn any time prior to the stated bid opening date and time (closing time) only via the electronic bid platform. The withdrawal request must be executed by the bidder or a duly authorized representative. The withdrawal of the bid does not prejudice the right of the bidder to file a new bid prior to the bid closing time. No bids may be withdrawn after the bid opening date and time.

2.12 Proposed Deviations from the Specifications by the Bidder

Any deviation from the specifications described herein or in a written addendum that is proposed by a bidder must be noted in detail on the Standard Agreement form, and a copy of the proposed specification must be attached to the Standard Agreement form at the time of submission. The absence of a proposed change in the specifications will hold the bidder strictly accountable to the specifications as described herein. If proposed deviations from the specifications are submitted, the bidder's name should be clearly shown on each document. Each BACC agency will be responsible for individually accepting or rejecting any proposed deviations from the described specifications.

2.13 Competency of Bidders

Before any contract is awarded, the bidder may be required to furnish a complete statement of financial ability and experience in performing the proposed services. In accordance with the provisions of the California Business and Professions Code and other regulations, the bidder must have and maintain current any and all necessary licenses or certificates.

2.14 Rejection of Bids

The BACC and/or its individual agencies reserves the right to reject any and all bids and reserves the right to waive a bid deficiency or reject a bid for any reason, including but not limited to the following: informalities, nonconforming, non-responsive or conditional bids, bids showing any alterations of form or erasures or irregularities of any kind, additional information not requested, incomplete bids, or bids not conforming with the instructions in any way. Bidders that plan to utilize a third-party hauling company that refused to deliver to one or more of the participating agencies in the past three (3) years will be rejected as non-responsive.

2.15 Opening Bids

A preliminary bid results showing apparent lowest bid will be available on the electronic bid platform shortly after the bid opening date / time.

2.16 Method of Award

Bids may be awarded to the lowest responsive and responsible bidder for each listed region meeting the specifications for bulk loads for the chemical. The lowest responsive bidder for this chemical will be determined for each region listed on the Bid Form. The bidder that meets the specifications and submits the lowest overall bid price for a particular region may be awarded the bid by the participating agencies in that region, assuming the bid is determined by BACC to be complete and in compliance with the bid requirements. The lowest overall bid price for each region will be determined by multiplying the estimated annual quantity for each participating agency within the particular region by the bid prices for the region, and adding up the aggregate cost. BACC has the right to delete terms or options from the bid contract documents, and reserves the right to reject any and all bids and to waive irregularities in said bids. The following is a non-inclusive list of criteria that must be used in award of the bid:

a. Unit cost of the chemical
b. Product specifications
c. Warranties or standards of quality
d. Capabilities to deliver product throughout the contract term
e. Bidder's reputation, competency, and previous customer service record
f. Third party hauling company's reputation, competency, and previous customer service record (if applicable)
g. Fully executed non-collusion affidavit

2.17 Disqualification of Duplicate or Collusive Bidders

More than one bid proposal from an individual, a firm or partnership, a corporation or an association under the same or different names will not be considered. Reasonable grounds for believing that any bidder is interested in more than one bid for the bid contemplated will cause rejection of all bids in which such bidder is interested. If there is reason for believing that collusion exists among the bidders, any and all bids may be rejected. Bidders must execute and submit with their bid the Non-Collusion Affidavit included in the bid document.

2.18 Identical Bids

In the case of tied or identical bids corresponding to the proposed unit costs, BACC reserves the right to award the bid based on additional criteria. If a tied bid is not rejected for any reason as described in paragraph 2.16 Method of Award, then any additional costs described in the "Specific Deviations" such as short load adders, will be used to determine the lowest responsive bidder. If considering additional costs as described in the "Specific Deviations" still doesn't produce a winning bidder (i.e. if the tied bidders quote identical short load adder prices), then any exceptions or conditions described in the "Specific Deviations" will be considered in an effort to determine the lowest responsive bidder. If the latter still fails

to produce a winning bidder, then BACC will draw lots by placing the names of the tied bidders in a hat and drawing a name. If drawing lots is deemed necessary, BACC will schedule a time to draw lots and the tied bidders will be invited to attend and witness the drawing.

2.19 Material Warranty

Before the bid is awarded and, if applicable, the bidder may be required to furnish a complete statement of the origin, composition and manufacture of any or all chemicals to be supplied, together with samples. The samples may be subjected to tests to determine their quality and fitness for the intended uses.

2.20 Bid Summary

Bid proposals will be summarized and reviewed with the BACC agencies following the bid opening. Bid summaries or tabulations will also be provided to the responsive bidders within ten (10) business days following the bid opening. After a careful review of the bids by each of the participating BACC agencies, bids may be awarded based on the criteria outlined in paragraph 2.16 Method of Award.

2.21 Manufacturer's Information

Bidders must submit with their bid contract documents the following:

- **a.** In accordance with Section 64590, Title 22 of the California Code of Regulations (CCR), no chemical or product shall be added to drinking water by a water supplier unless the chemical or product is certified as meeting the specifications of NSF International/American National Standard Institute (NSF/ANSI) 60-2005 (Drinking Water Treatment Chemicals—Health Effects). Certification shall be from an ANSI accredited product certification organization whose certification system includes the criteria for ensuring the chemical or product meets NSF/ANSI Standard 60 per Section 64590 of the CCR. Bidders must submit an affidavit of compliance from the ANSI accredited product certification organization. Bidders must include a statement by the chemical manufacturer, signed by an authorized representative on letterhead stationery, attesting to the affidavit's validity. In lieu of submitting an affidavit of compliance and a letter attesting to the affidavit's validity, a current printout from the ANSI accredited product certification organization is acceptable.
- **b.** A representative analysis of the chemical to be supplied, as prepared by a reputable outside laboratory or bidder's in-house laboratory if ISO certified.
- **c.** Name and address of the chemical manufacturer.
- **d.** Product Bulletin and Typical Properties.
- **e.** Safety Data Sheet (SDS).

3. SPECIAL INSTRUCTIONS TO BIDDERS

3.1 Chemical Requirements

The chemical to be provided under the terms and conditions of this bid must meet the bid specifications described in the pages that follow.

3.2 Safety Requirements

The bidder, their employees, subcontractors, and/or agents must conform to the rules and regulations pertaining to safety established by the California Division of Industrial Safety, and they must adhere to all State, Federal and Occupational Safety and Health Act (OSHA) safety standards, including compliance with any applicable State or local health order related to COVID-19 while they are on the premises of any BACC agency. Furnished equipment, materials, and/or services must comply with all OSHA standards and regulations, and all applicable governmental laws and orders. The BACC agencies reserve the right to individually refuse any shipment, at their sole discretion, which cannot be unloaded using safe and proper techniques. Any such refusal must result in the return of the chemical at the successful bidder's sole expense. If requested by a participating BACC agency, the successful bidder and/or the firm providing transportation of the chemical shall submit to a safety briefing at the BACC agency's site before commencing deliveries to the respective BACC agency. The successful bidder and/or the firm providing transportation of the chemical are required to comply with the site specific safety requirements of each participating BACC agency. Bidders should be aware that some BACC agencies do not allow smoking on site. Site safety requirements will be available for review during the bid period upon request to the BACC Coordinator. In addition, if requested by a participating BACC agency, the successful bidder and/or the firm providing transportation of the chemical may be asked to review site safety materials and provide a signed acknowledgement of their receipt of the site safety materials.

3.3 Spillage

The successful bidder must be prepared to provide safety training on the safe handling and use of the chemical and emergency procedures in the event of a leak or spill. Should a chemical spill or leak result due to negligence, faulty equipment, or inferior packaging on the part of the bidder or their agents, the bidder and their agents must be responsible for cleaning the spill or leakage and for bearing any cost incurred due to spill or leakage clean-up. It must be the successful bidder's responsibility to effect immediate containment, clean-up, disposal, and restoration activities in accordance with the individual facility's requirements and any and all applicable laws and regulations. All material associated with such clean-up operations must be hauled away and lawfully disposed of at no charge to the agency where the delivery is being made. The property of the agency where the delivery is being made must not be used for such disposal. If the spill is NOT cleaned up, the agency will hire a certified hazardous material handling company to clean up the spill, and the costs incurred, including any fines or penalties which may be imposed by regulating authorities, will be charged to the bidder or deducted from amounts owed. Chemicals must stay in the possession of the bidder and must not be unloaded until accepted by the participating BACC agency. All chemicals must be delivered in accordance with Department of Transportation regulations.

3.4 Chemical Orders

All orders placed throughout the contract period, as defined in paragraph 4.11 Term of Contract, will be initiated separately by each participating BACC agency, and each BACC agency will be responsible for the coordination of all aspects of those orders with the successful bidder. Inquiries in reference to individual orders during the contract period must be directed to the appropriate BACC agency.

3.5 Purchase Orders / Contracts

Individual purchase orders, purchase agreements, and / or contracts will be issued to the successful bidder by each participating BACC agency, and all chemical sales must be invoiced separately to the respective BACC agency. Each BACC agency may require additional contract requirements specific to the agency which are not included in this bid document and bidders need to contact the agencies for specific details and perform due diligence prior to submitting a bid. The contracted unit cost of the chemical is the awarded bid price. The successful bidder may seek a price increase for any nontrivial change requested by the participating BACC agency in the terms and conditions of the participating BACC agency's purchase order, purchase agreements, and / or contracts. The successful bidder may not change the price throughout the term of the contract unless by mutual written agreement between BACC agency and successful bidder per Section 4.4 Modification of Contract.

3.6 Taxes

Pursuant to the Sales and Use Tax Law, water treatment facilities are entitled to submit *Resale Certificates* to the California State Board of Equalization which exempt that utility from paying sales tax on any chemical purchased for the expressed use of producing a consumable water product. The participating BACC agencies that provide potable and/or recycled water to customers will be responsible for providing the successful bidder with these certificates or letter documenting their determination if the chemical they seek to purchase is exempt from sales tax. BACC agencies that do not notify the successful bidder that their agency is exempt from paying sales tax shall be invoiced with sales tax shown as a separate, itemized cost on the invoice. Chemicals purchased solely for the use in wastewater treatment and disposal facilities are subject to sales tax.

3.7 Delivery Requirements

Bidders are responsible for reviewing each of the listed delivery locations or geographic regions for each participating BACC agency and ensuring that their product can be delivered to each location prior to submitting a bid. Bidders that intend to utilize the services of a third party hauling company for some or all of their deliveries are responsible for ensuring that the hauler they have selected can and will deliver their product to each location listed in Section III-2, Delivery Details, and for submitting an affidavit pertaining to assurance with their bid. Failure to provide this assurance and submit an affidavit may be cause for rejecting their bid. Delivery bills of lading must be provided for each shipment. All bulk shipments must include a weight ticket from a certified weigh station in addition to a shipping manifest. Delivery times and dates must be coordinated between the successful bidder and each participating BACC agency on a schedule that meets the needs of the BACC agency, but at no time can a delivery occur more than seven (7) days after the order is placed unless the respective BACC agency requests a later delivery. No delivery can be made when a BACC agency representative is not on site. The successful bidder must notify the BACC agency of any anticipated late deliveries at least 24 hours in advance of the scheduled delivery time and date, unless delivery delays are the result of in-route transportation delays, then notification must be provided as soon as possible to inform the BACC agency of the anticipated delivery date and time. Persistently late or cancelled deliveries (defined as three or more over the contract period) may be used as a basis for contract termination. Failure to provide notice of late delivery as required by this section may also be a basis for contract termination. Any deliveries not meeting chemical quality, regulatory,

safety, or delivery requirements will be returned to the successful bidder at no cost to the BACC agency, and must be re-delivered by the bidder within 48 hours of the unacceptable delivery.

3.8 Force Majeure

Any bidder that anticipates a workforce interruption, including due to COVID-19 restrictions, or a production shutdown that could affect delivery of the chemical must fax or e-mail notifications to all participating BACC agencies to notify them of the potential interruption in deliveries. A telephone call must also be made to each BACC agency as a follow-up notification.

3.9 Emergency Supply Plan Description

BACC requests that bidders provide a summary of plans addressing their ability to be able to continue to supply product in the event of an unexpected disaster or urgent emergency event.

3.10 Safety Data Sheet (SDS)

Bidders must submit a Safety Data Sheet (SDS) for the product offered with the bid. The successful bidder must provide a new SDS for the chemical with the first delivery or if the SDS is modified during the contract term.

3.11 Payments

Payments for all chemicals will be made individually by each participating BACC agency thirty (30) days after receipt of a complete and accurate invoice. BACC itself does not have any legal authority to conduct business and therefore cannot be held responsible for the financial arrangements made between each individual BACC agency and the successful bidder. Cash discounts for early remittance of payment must be stated on the invoice, if applicable. The bidder is responsible for submitting accurate invoices to each BACC agency. The BACC agencies are not responsible for late payments resulting from the submission of inaccurate invoices. If bidder continues to submit inaccurate invoices after being put on notice by the BACC agency, the contract between the bidder and the BACC agency may be terminated.

3.12 Legislative Impacts

In the event the legislative body of any BACC agency fails to appropriate funds for the purchase of the chemical, the respective BACC agency may terminate such contract without penalty and thereupon be released of further obligation.

3.13 Subcontracting

No portion of the bid award may be subcontracted to another chemical manufacturer or supplier without the prior written approval of all of the participating BACC agencies.

3.14 Laws and Regulations

All applicable State of California and Federal laws, City, County, and Special District ordinances, licenses, and regulations of all participating BACC agencies having jurisdiction must apply during the contract period, including any applicable State or local health order related to COVID-19.

3.15 Insurance

For services requiring the supplier's or their subcontractor's presence on any BACC agency property, the successful bidder must acquire and maintain at their expense for the duration of the term of the contract the following insurance policies: Workers' Compensation, Employer's Liability, Commercial General Liability, Business Vehicle and Automobile Liability, and Contractor's Pollution Liability Insurance coverage from insurers either (i) admitted by the California Insurance Commissioner to do business in the State of California and rated no less than A.M. Best's rating of no less than A:VII, or (ii) authorized by the BACC agency's risk manager(s) or his/her designee at any time in his/her sole discretion, all relating to the supplier's services to be performed hereunder covering the BACC agency's risks. The minimum amounts of coverage, and the breadth of coverage, corresponding to the aforesaid categories of insurance per insurable event, must be as follows, however, the insurance limits available to each participating BACC agency, their officers, officials, employees, agents and volunteers as additional insured parties, shall be the greater of the minimum limits specified herein or the full limit of any insurance proceeds available to the named insured:

INSURANCE CATEGORY	MINIMUM LIMITS
Workers' Compensation Insurance	California Statutory Minimum
Employer's Liability Insurance	$2,000,000 per accident, and $1,000,000 per employee for bodily injury or disease.
Commercial General Liability Insurance	$5,000,000 per occurrence for bodily injury, personal injury, and property damage.
Business Vehicle and Automobile Liability Insurance	$2,000,000 per accident for bodily injury and property damage.
Contractor's Pollution Liability	$1,000,000 per occurrence, $2,000,000 policy aggregate.

Prior to commencement of any performance under the contract, the successful bidder must furnish to each participating BACC agency an original Certificate of Insurance, and copies of information or declaration pages for the insurance required with respect to evidence of all policies of insurance required as noted above. All policies of insurance must be endorsed to name the respective BACC agency, their officials, officers, employees, agents, and volunteers as additional insured parties. For any claims related to the contract, bidder's insurance coverage shall be primary insurance with respect to each participating BACC agency, their officials, officers, employees, agents and volunteers. Any insurance or self-insurance maintained by any BACC agency party, their officials, officers, employees, agents and volunteers shall be excess of the bidder's insurance and shall not contribute with it. The successful bidder will be responsible for contacting each participating BACC agency to ascertain the proper name or names of the agency specific entities to be included in the endorsements.

The successful bidder must also provide each participating BACC agency with a MSC-90 endorsement, required for transporters of hazardous materials and/or wastes.

The successful bidder hereby agrees to waive subrogation which any insurer of the bidder may acquire from vendor by virtue of the payment of any loss. Bidder agrees to obtain and provide to each BACC agency any endorsement that may be necessary to affect this waiver of subrogation. The Workers' Compensation policy shall be endorsed with a waiver of subrogation in favor of each participating BACC agency for all work performed by the bidder, its employees, agents and subcontractors.

The successful bidder must maintain the required insurance at all times while the contract is in effect, and must replace any certificate, policy or endorsement which will expire prior to that date. All policies of insurance must be endorsed to provide the required insurance and must not be suspended, voided, reduced, canceled, or allowed to expire except on thirty (30) days prior written notice to each participating BACC agency. The Certificate of Insurance must have a cancellation statement worded as follows: *"Should any of the above described policies be cancelled before the expiration date thereof, the issuing company must mail thirty calendar (30) written notice to the Certificate holder named to the left."*

4. TERMS AND CONDITIONS

4.1 Indemnification

To the fullest extent allowed by law, the successful bidder and its employees, subcontractors, and agents shall defend, indemnify, and save and hold harmless each participating BACC agency, its officers, agents, employees and volunteers from any claims, suits or actions of every name, kind and description brought forth, or on account of, injuries to or death of any person (including but not limited to workers and the public), or damage to property, resulting from or arising out of the successful bidder's or its personnel, employees, agents, or subcontractors' willful misconduct or negligent act or omission while engaged in the performance of services described in this bid document, except those matters arising from the participating BACC agency's sole negligence or willful misconduct. The parties intend that this provision shall be broadly construed.

This indemnification includes, without limitation, the payment of all penalties, fines, forfeitures, judgments, awards, decrees, attorney's fees, and related costs or expenses, and the reimbursement of any BACC agency, its officials, officers, employees, agents, and volunteers for all legal expenses and costs incurred by each of them.

The successful bidder's responsibility for such defense and indemnity obligations shall survive the termination or completion of the contract for the full period of time allowed by law. The defense and indemnity obligations of the contract are undertaken in addition to, and shall not in any way be limited by, the insurance obligations contained in the contract.

If the successful bidder should subcontract all or any portion of the work to be performed under the contract, the successful bidder shall require each subcontractor to indemnify, hold harmless and defend each participating BACC agency and each of its officials, officers, employees, agents and volunteers in accordance with the terms of the preceding paragraphs.

4.2 Bid Protests

Any bid protest must be submitted electronically via email to the BACC Coordinator before 3:30 p.m. on the fifth (5th) business day following bid opening (jdyment@bacwa.org).

a. The protest document must be provided as one PDF and must contain a complete statement of the basis for the protest and all supporting documentation and evidence.
b. The party filing the protest must have actually submitted a bid for the chemical. A subcontractor of a party submitting a bid for the chemical may not submit a bid protest. A party may not rely on the bid protest submitted by another bidder, but must timely pursue its own protest.
c. The protest must refer to the specific portion of the bid document which forms the basis for the protest.
d. The protest must include the name, address and telephone number of the person representing the protesting party.
e. The party filing the protest must concurrently transmit a copy of the protest document and any attached documentation to all other parties with a direct financial interest which may be adversely affected by the outcome of the protest. Such parties shall include all other bidders who appear to have a reasonable prospect of receiving an award depending upon the outcome of the protest.
f. BACC will give the bidder that is the subject of the protest five (5) business days after the receipt of the protest to submit a written response. The responding bidder shall submit the response to the protesting bidder concurrent with delivery to BACC.
g. The procedure and time limits set forth in this paragraph are mandatory and are the bidder's sole and exclusive remedy in the event of bid protest. All protests and responses received after the time set forth herein will be rejected. The bidder's failure to comply with these procedures shall constitute a waiver of any right to further pursue the bid protest.
h. BACC will not be responsible for any delays or transmission errors. The protesting bidder accepts all risk of late delivery of electronic protests. If is the protesting bidder's responsibility to ensure that a submittal protest is received by the bid coordinator listed in this solicitation by the due date and time. Protesting bidders should contact the bid coordinator to make sure that their electronic submittal has gone through.
i. If BACC determines that a protest is frivolous, the protesting bidder may be determined to be non-responsible and that bidder may be determined to be ineligible for future contract awards.

4.3 Equal Opportunity

The successful bidder must agree not to refuse the hire, discharge, promote, or to otherwise discriminate in the matters of compensation against any person otherwise qualified solely because of race, creed, sex, national origin, ancestry, or physical handicap. It must be a condition that any company firm or corporation supplying goods or services, must be in compliance with the Americans with Disabilities (ADA) Act of 1990. A certificate stating compliance with the ADA may be required, upon request, by any BACC agency.

4.4 Modification of Contract

This bid solicitation document including the bid contract documents, in conjunction with each BACC agency's purchase order, purchase agreement and / or contract, will constitute the entire contract between each BACC agency and the successful bidder. The contract may not be modified, altered, or amended except by the mutual written agreement of the respective BACC agency and the successful bidder.

4.5 Common Language

Unless otherwise specified in this document, all words must be given their plain, common and ordinary meaning unless the context in which they are used clearly requires a different meaning. Words in the singular number include the plural, and in the plural include the singular. Additionally, words in the masculine gender include the feminine and the neuter, and when the sense so indicates, words of the neuter gender may refer to any gender.

4.6 Proprietary Information

All information included in any bid proposal that is of a propriety nature must be **clearly** marked as such. Each BACC agency must be held harmless from any claims arising from the release of proprietary information not clearly designated as such by the Bidder.

4.7 Patent Guarantee

The bidder must, with respect to any bidder's standard products, indemnify, defend and hold harmless each participating BACC agency, its employees and agents, from any and all costs and damages because of claims or litigation on account of infringement or alleged infringement of any letters patent or patent rights by reason of the sale or normal use of such products, provided that the bidder is promptly notified of all such actual or potential infringement suits, and is given an opportunity to participate in the defense of the participating BACC agencies.

4.8 Quality Control

The bidder's chemical may be inspected and/or sampled before, during, or after any delivery and tested to confirm compliance with all of the specifications. Persistent clogging, deliveries containing significant amounts of debris, and/or chemical not meeting the technical specifications will be considered to be deficiencies. If deficiencies are detected, the chemical will be rejected and the bidder will be required to remove and replace any and all of the chemical and clean the associated tanks and piping that are contaminated by a delivery that is determined to be deficient, at no cost to the participating BACC agency. If the bidder fails to remove and replace the deficient chemical in a timely manner after being notified of the problem by the participating agency, the participating agency may remove and dispose of the contaminated chemical and clean the chemical storage tank or tanks and the associated piping all at the bidder's expense. Payment for the delivered chemical will not be made until the defects are corrected and the chemical is properly replaced and accepted. Repeat failures to comply with the specifications must constitute grounds for termination of the contract.

4.9 Term of Contract

The term of the contract between the respective BACC agency and the successful bidder will be twelve (12) months commencing July 1, 2026, and expiring June 30, 2027, with an option to extend the contract on a year-to-year basis, not to exceed three (3) yearly renewals if conditions and service are satisfactory to both the respective BACC agency and the successful bidder. The price for any succeeding periods of service shall be determined by negotiation between the respective BACC agency and the successful bidder.

4.10 Good Faith Bidding and Contracting

The participating BACC agencies listed on this bid solicitation are bidding in good faith and have agreed not to extend an existing bid in lieu of contracting with the lowest responsive bidder. However, nothing in this bid solicitation shall prevent a BACC agency from rejecting all bids and separately procuring the services they require, if deemed in the best interest of their respective agency.

4.11 Termination of Contract

Any BACC agency may terminate their contract with the successful bidder for any reason by providing the successful bidder written notice of termination, and specifying the effective date thereof, at least thirty (30) days before the effective date. Termination of the contract by one BACC agency does not affect the contractual relationship between the successful bidder and any other BACC agency.

4.12 Termination for Cause

In the event of a breach of any term or provision of the contract by the successful bidder, a BACC agency may terminate the contract with respect to supply of chemicals for that agency by providing the successful bidder with written notice of such termination, and specifying the effective date thereof, at least ten (10) days before the effective date. Termination of the contract by one BACC agency does not affect the contractual relationship between the successful bidder and any other BACC agency.

4.13 Effect of Termination

Any termination by a BACC agency, with or without cause, must not affect the validity of the contract between the successful bidder and any other BACC agency, nor must such action affect any rights, remedies, or obligations of the successful bidder or any other BACC agency.

4.14 Assignment

The successful bidder must under no circumstances assign the contract without the prior written consent of each participating BACC agency. Any assignment, or attempt at assignment, made without such consent of each participating BACC agency may be considered a breach of contract.

4.15 Competitiveness and Integrity

The participating BACC agencies have assigned control of the acquisition process to the BACC coordinating agency identified in the *Notice Inviting Sealed Bids* of this document, to prevent biased evaluations and to preserve the competitiveness and integrity of such acquisition efforts. Bidders are to direct all communications regarding this bid to the designated BACC Coordinator, unless otherwise specifically

noted, or unless approved in writing by the BACC Coordinator. Attempts by bidders to circumvent this requirement will be viewed negatively and may result in rejection of the offending bidder's offer. The BACC Coordinator may refer communications to other participating BACC agencies for clarification.

-END OF SECTION-

SECTION II

BAY AREA CHEMICAL CONSORTIUM
PRODUCT TECHNICAL SPECIFICATIONS
FOR BID NO. 13-2026
SODIUM HYPOCHLORITE 12.5%

PRODUCT TECHNICAL SPECIFICATIONS
12.5% SODIUM HYPOCHLORITE FOR BOTH POTABLE AND NON-POTABLE USES

1. Chemical and Physical Properties:
   All sodium hypochlorite supplied under this bid must conform to the current version of the American Water Works Association (AWWA) B300-18 Standard for Hypochlorite, the American National Standards Institute/National Sanitation Foundation Standard 60-2005 (ANSI/NSF 60) Drinking Water Treatment Chemicals, except as modified or supplemented herein. Current AWWA B300-24 and ANSI/NSF 60 certification for the manufacturing facility of facilities is required with the submission of the bid. It is the responsibility of the vendor to inform the participating BACC Agencies (within 24 hours, from the time of verbal or written notification) that NSF certification has been revoked or lapsed. Loss of NSF certification shall constitute sufficient grounds for immediate termination of the contract. Bill of Lading must clearly identify product delivered to be AWWA B300-18 and ANSI/NSF 60 certified by stamp or type written statement – no handwritten notation will be accepted. Failure to provide clear identification that the product meets the AWWA and ANSI/NSF specifications will result in rejection of the load at no cost to the BACC Agency.
2. Disclaimer: The sodium hypochlorite must contain nothing that will adversely affect the public water supply, or be injurious to typical sodium hypochlorite feeding equipment.
3. Documentation: The successful Supplier must provide documentation as specified and required under Title 22, California Code of Regulations, Chapter 16, Article 7, §64590, prior to the start of the contract for the sodium hypochlorite.
4. General Specifications:

pH	pH12-13
Available Chlorine	12.5 wt% minimum
Available Chlorine	125 grams/Liter minimum
Total Free Alkali (as NaOH)	$\leq$ 1.5% by weight
Insoluble Matter	$\leq$ 0.15% by weight
Age of Product at Delivery	3 days (72 hours) maximum

   Sodium Hypochlorite should be stored in a dark area where the temperature does not exceed 80^{o} F (i.e. 30^{o} C) prior to delivery. Preferably sodium hypochlorite should be stored at temperatures below 68^{o} F (i.e. 20^{o} C) prior to delivery.
5. Contaminant Concentration Limits:

Iron	<1.0 mg/L	Nickel (Ni^{+2})	<0.1 mg/L
Copper](Cu^{+2})	<0.1 mg/L	Cobalt	<0.1 mg/L
Chlorate	<2,380 mg/L		

6. Filtration Limitations: 100 mL of the sodium hypochlorite product supplied under this contract must pass through a 0.8 micron filter (Millipore, Type AA) under vacuum (25 inches Hg) within 30 minutes. Plant staff may conduct this test prior to accepting a delivery.
7. Certificate of Analysis:
   a. A certificate of analysis prepared by a reputable outside laboratory or bidder's in-house laboratory if ISO certified, shall be submitted for each liquid sodium hypochlorite delivery. The certificate of analysis shall be based on a representative sample of the specific batch or lot of chemical currently being used to make deliveries. This report shall contain the following:
      - Date of manufacture
      - Date of delivery
      - Shipper ID
      - pH

- Specific gravity
- Density @ 60°F
- Insoluble Matter
- Available Chlorine: Percent by weight and pounds per gallon
- Total free alkali (expressed as NaOH): Percent by weight and pounds per gallon
- Excess NaOH: Percent by weight and pounds per gallon
- Excess Na_2CO_3: Percent by weight and pounds per gallon

No deliveries will be accepted by the BACC Agency unless accompanied by said certificate of analysis for the specific batch or lot of chemical delivered and the quality specifications listed in the bid contract documents are met.

b. Charges for certificate of analysis shall be included in the bid price.
c. Failure to supply the required certificate of analysis shall be sufficient cause to reject the load. A certificate of analysis that does not meet current version of the AWWA Standard B300-24 shall be cause to reject the load.

8. Liquid sodium hypochlorite supplied under this contract shall not cause excessive scaling of feed lines when combined with carriage water. Excessive scaling is defined as plugging of, or precipitation in, the chlorine solution lines that causes disruption of flow. The liquid sodium hypochlorite shall be free from contaminating substances which could interfere with normal operation of BACC Agency facilities by causing clogging or blockage of feed lines, valves, strainers, or measuring devices.

SECTION III – 1

BAY AREA CHEMICAL CONSORTIUM
ESTIMATED ANNUAL QUANTITIES
FOR BID NO. 13-2026
SODIUM HYPOCHLORITE 12.5%

BAY AREA CHEMICAL CONSORTIUM

ESTIMATED ANNUAL QUANTITIES FOR FISCAL YEAR 2026/2027

BID NO. 13-2026

	Unit of Measure	Estimated Annual Qty for Treatment Applications: Water	Wastewater
Sodium Hypochlorite 12.5%	**gal**	**4,030,700**	**7,939,705**
Central Valley			
City of Stockton	gal	0	500,000
City of Turlock	gal	65,000	500,000
Stanislaus Regional Water Authority	gal	75,000	0
		140,000	***1,000,000***
East Bay			
Alameda County Water District	gal	300,000	0
City of Hayward	gal	0	250,000
City of San Leandro	gal	0	215,000
Union Sanitary District	gal	0	900,000
		300,000	***1,365,000***
Marin Sonoma			
Central Marin Sanitation Agency	gal	0	240,000
City of Mill Valley - Sewerage Agency of Southern Marin	gal	0	50,000
County of Sonoma	gal	28,800	0
Las Gallinas Valley Sanitary District	gal	0	160,000
Marin Municipal Water District	gal	220,000	0
Napa Sanitation District	gal	0	350,000
North Marin Water District	gal	3,200	0
Sanitary District No. 5 of Marin County	gal	0	10,705
Sausalito Marin City Sanitary District	gal	0	60,000
		252,000	***870,705***

ESTIMATED ANNUAL QUANTITIES FOR FISCAL YEAR 2026/2027
BID NO. 13-2026

	Unit of Measure	Estimated Annual Qty for Treatment Applications: Water	Wastewater
North Bay			
Central Contra Costa Sanitary District	gal	0	450,000
City of Antioch	gal	233,000	0
City of Brentwood	gal	0	150,000
City of Martinez	gal	55,000	0
City of Pinole (Pinole/Hercules WPCP)	gal	0	115,000
City of Pittsburg	gal	150,000	0
Contra Costa Water District	gal	600,000	0
Delta Diablo Sanitation District	gal	0	377,000
Diablo Water District	gal	7,500	0
Ironhouse	gal	0	8,000
Pleasant Hill Recreation & Park District	gal	4,700	0
Rodeo Sanitary District	gal	0	45,000
West County Wastewater District	gal	0	252,000
		1,050,200	***1,397,000***
Peninsula			
City of South San Francisco	gal	0	165,000
City of Daly City/North San Mateo County Sanitation	gal	0	135,000
City of Millbrae	gal	0	65,000
City of San Mateo	gal	0	350,000
Sewer Authority Mid-Coastside	gal	0	120,000
		0	***835,000***
Sacramento			
Carmichael Water District	gal	45,000	0
City of Roseville	gal	241,700	145,000
City of Sacramento	gal	0	192,000
City of Yuba City	gal	1,000	0
El Dorado Irrigation District	gal	265,000	40,000
Nevada Irrigation District	gal	45,000	0
Rancho Murieta Community Services District	gal	0	50,000
Sacramento County Water Agency	gal	200,000	0
		797,700	***427,000***

ESTIMATED ANNUAL QUANTITIES FOR FISCAL YEAR 2026/2027
BID NO. 13-2026

	Unit of Measure	Estimated Annual Qty for Treatment Applications: Water	Wastewater
South Bay			
City of Morgan Hill	gal	15,000	0
City of Sunnyvale	gal	0	320,000
City of Watsonville	gal	0	60,000
Pajaro Valley Water Management Agency	gal	55,000	0
San Jose - Santa Clara Regional Wastewater Facility	gal	0	1,040,000
Valley Water (Santa Clara Valley Water District)	gal	1,100,000	0
		1,170,000	***1,420,000***
Tri Valley			
City of Livermore	gal	0	260,000
Dublin San Ramon Services District	gal	5,800	365,000
Zone 7 Water Agency	gal	315,000	0
		320,800	***625,000***
Sodium Hypochlorite 12.5% in 275 gal totes (OPTIONAL BID ITEM)	**gal**	**1,400**	**2,755**
Central Valley			
City of Stockton	gal	0	2,750
		0	***2,750***
North Bay			
Contra Costa Water District	gal	1,400	0
		1,400	***0***
Tri Valley			
Dublin San Ramon Services District	gal	0	5
		0	***5***
Sodium Hypochlorite 12.5% in Carboys (OPTIONAL BID ITEM)	**gal**	**0**	**16,000**
Marin Sonoma			
County of Sonoma	gal	0	16,000
		0	***16,000***
Sodium Hypochlorite 5.25% (OPTIONAL BID ITEM)	**gal**	**95,000**	**0**
Sacramento			
Nevada Irrigation District	gal	95,000	0
		95,000	***0***

SECTION III – 2

BAY AREA CHEMICAL CONSORTIUM
DELIVERY DETAILS
FOR BID NO. 13-2026
SODIUM HYPOCHLORITE 12.5%

BAY AREA CHEMICAL CONSORTIUM
DELIVERY DETAILS
BID NO. 13-2026
SODIUM HYPOCHLORITE 12.5%

The frequency of deliveries and typical delivery size are estimates of anticipated usage for a 12-month period and are given for informational purposes only and are not used in any calculations to determine the lowest overall bid (Section I, Paragraph 2.16 Method of Award).

Per Region, Agency and Delivery Facility Name and Location			Frequency of Deliveries	Typical Delivery Size
CENTRAL VALLEY				
City of Stockton				
Stockton Regional Wastewater Control Facility	2500 Navy Drive	Stockton	1-3x per week	5,000 gallons
Stockton Regional Wastewater Control Facility	2500 Navy Drive	Stockton	As needed	3 totes
City of Turlock				
NW Storage Tank	4706 Fulkerth	Turlock	weekly	250 gal
SE Storage Tank	401 Third St	Turlock	weekly	250 gal
SW Storage Tank	512 S Kilroy	Turlock	weekly	250 gal
Turlock Regional Water Quality Control Facility	901 S. Walnut Rd	Turlock	2-3x per week	5,000 gallons
Well 13	1261 E. Canal Dr	Turlock	weekly	160 gal
Well 15	1500 W Main St	Turlock	weekly	55 gal
Well 20	1200 Monte Vista Ave	Turlock	weekly	250 gal
Well 22	120 E Linwood Ave	Turlock	weekly	160 gal
Well 24	1900 N Qunicy Rd	Turlock	weekly	405 gal
Well 27	420 E Zeering	Turlock	weekly	250 gal
Well 28	2080 W Tuolumne Rd	Turlock	weekly	160 gal
Well 29	201 E Hawkeye Ave	Turlock	weekly	160 gal
Well 30	991 S Orange St	Turlock	weekly	160 gal
Well 31	3761 N Walnut Rd	Turlock	weekly	160 gal
Well 32	1623 Alex Way	Turlock	weekly	250 gal
Well 33	500 S Berkeley Ave	Turlock	weekly	250 gal
Well 34	600 Dianne Dr	Turlock	weekly	160 gal
Well 36	1317 N Soderquist Rd	Turlock	weekly	160 gal
Well 37	4700 Crowell Rd	Turlock	weekly	405 gal
Well 38	2919 W Christoffersen Parkway	Turlock	weekly	405 gal
Well 39	3900 Wellington Ln	Turlock	weekly	160 gal
Well 40	501 S Walnut	Turlock	weekly	160 gal

BAY AREA CHEMICAL CONSORTIUM
DELIVERY DETAILS
BID NO. 13-2026
SODIUM HYPOCHLORITE

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Per Region, Agency and Delivery Facility Name and Location			Frequency of Deliveries	Typical Delivery Size
Stanislaus Regional Water Authority				
Stanislaus Regional Water Authority Water Treatment	1235 Aldrich Rd.	Hughson, CA	Monthly	4,500-5,000 gallons
EAST BAY				
Alameda County Water District				
Blending Facility	1111 Mowry Ave	Fremont	1x per 2 weeks	4,000 gallons
Newark Desalination Facility	6833 Redeker Place	Newark	1x per 2 weeks	3,000 gallons
Water Treatment Plant No. 2	42436 Mission Blvd.	Fremont	1-2 times per week	4,000 gallons
City of Hayward				
Water Pollution Control Facility	3700 Enterprise Avenue	Hayward	3-4 times per month	5,000 gallons
City of San Leandro				
City of San Leandro Satellite Station	2.5 miles south of treatment plant	San Leandro	Every 1-2 Weeks During Dry Season	1,000 gallons
Wastewater Treatment Plant	3000 Davis St	San Leandro	Every 1-2 weeks	2,500-5000 gallons
Union Sanitary District				
USD Alvarado Plant	5072 Benson Road	Union City	14-17 x per month	5,000 gallons
MARIN SONOMA NAPA				
Central Marin Sanitation Agency				
Central Marin Sanitation Agency	1301 Andersen Drive	San Rafael	1x per week; 3-4x per week in wet weather	5,000 gallons
City of Mill Valley - Sewerage Agency of Southern Marin				
Sewarage Agency of Southern Marin	450 Sycamore Ave	Mill Valley	six weeks	4,500 gallons
County of Sonoma				
Geyserville Wastewater Treatment Plant	155 Hamilton Lane	Geyserville	Quarterly *May have one extra load depending on weather	1,800 gallons Sodium Hypochlorite Liquid 12.5%
Spring Lake Park	393 Violetti Rd	Santa Rosa	1x per week	660-1,000 gallons 12.5% Pump Off
Las Gallinas Valley Sanitary District				
Las Gallinas Valley Sanitary District Wastewater Treatment Plant	300 Smith Ranch Road	San Rafael	2-3 per month average	5,000 gallons

BAY AREA CHEMICAL CONSORTIUM
DELIVERY DETAILS
BID NO. 13-2026
SODIUM HYPOCHLORITE 12.5%

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Per Region, Agency and Delivery Facility Name and Location			Frequency of Deliveries	Typical Delivery Size
Marin Municipal Water District				
MMWD Bon Tempe	Filter Plant Road	Fairfax	24x per year	not less than 2,000 gallons
MMWD Ignacio Pump Station	13 Hamilton Drive	Novato	11x per year	not less than 2,000 gallons
MMWD San Geronimo	330 San Geronimo Valley Road	Woodacre	34x per year	4,000 gallons
Napa Sanitation District				
Napa Sanitation District	1515 Soscol Ferry Road	Napa	Twice per week	5,000 gallons
North Marin Water District				
North Marin Water District Deer Island Reclaim Waer Facility	Hwy 37 between Atherton Ave & Hwy 101	Novato	One delivery late spring	1,000 gallons
North Marin Water District Point Reyes Treatment Plant	End of Commodore Webster	Point Reyes Station	Approximately every 6 weeks	200 gallons
Sanitary District No. 5 of Marin County				
	2001 Paradise Drive	Tiburon	3-4 deliveries per year	3,000 gallons
Sausalito Marin City Sanitary District				
SMCSD Treatment Plant	1 East Road	Sausalito	1x 45 days	5,000 gallons, Tanker truck, Receiving hours 6am-1pm M-Th
NORTH BAY				
Central Contra Costa Sanitary District				
CCCSD	5019 Imhoff Place	Martinez	2-3x weekly	5,000 gallons
City of Antioch				
City of Antioch Water Treatment Plant	401 Putnam Street	Antioch	weekly	4,800 gallons
City of Brentwood				
Brentwood Wastewater Treatment Plant	2251 Elkins Way	Brentwood, CA	2-3x per month	5,000 gallons
City of Martinez				
City of Martinez Water Treatment Plant	3003 Pacheco Blvd	Martinez	2x per month	2,500 gallons
City of Pinole (Pinole/Hercules WPCP)				
City of Pinole	11 Tennent Avenue	Pinole	Every 2 weeks	5000 gallons

BAY AREA CHEMICAL CONSORTIUM
DELIVERY DETAILS
BID NO. 13-2026
SODIUM HYPOCHLORITE

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Per Region, Agency and Delivery Facility Name and Location			Frequency of Deliveries	Typical Delivery Size
City of Pittsburg				
Pittsburg Water Treatment Plant	300 Olympia Drive	Pittsburg	Bi-monthly	Full truck load
Contra Costa Water District				
Bollman Water Treatment Plant	2015 Bates Ave	Concord	approx 40x per year between	4,500 - 5,000 gallons
Brentwood Water Treatment Plant	3760 Neroly Rd	Oakley	approx 20x per year	4,500 - 5,000 gallons
Randall-Bold Water Treatment Plant	3760 Neroly Rd	Oakley	+/- 60 times yearly	4,500-5,000 gallons
Delta Diablo Sanitation District				
Delta Diablo	2500 Pittsburg-Antioch Hwy	Antioch	2 times per week	Full Load 4,600 gallons
Diablo Water District				
Blending Facility	2201 Laurel Road	Oakley	Every 2.5 months	1,500 gallons
Chem Feed	3051 Ranch Rd	Bethel Island	Every 2 months	4 drums
Glen Park Well	401 Hill Ave	Oakley	Every 2 months	4 drums
South Park Well	4295 Summer Lakes Drive	Oakley	Every 2 months	2 drums
Ironhouse				
	450 Walnut Meadows Dr	Oakley	Once per quarter	2,000 gallons
Pleasant Hill Recreation & Park District				
Pleasant Hill Aquatic Park	147 Gregory Lane	Pleasant Hill	May-Sept: once/month Oct-April: once every 3 months	650 gallons
Rodeo Sanitary District				
Rodeo Sanitary District	800 San Pablo Avenue	Rodeo	2x month, rarely 3x a month depending on rain/flows, and/or projects.	2,150 gallons
West County Wastewater District				
Water County Wastewater District	2377 Garden Tract Road	Richmond	1/Week Dry Weather, 1.5/Week Wet Weather	4500- to 5000-Gallons
PENINSULA				
City of South San Francisco				
South San Francisco - San Bruno Water Quality Control Plant	195 Belle Aire Road	South San Francisco	One Load Every 2 Weeks	4,800 gallons

BAY AREA CHEMICAL CONSORTIUM
DELIVERY DETAILS
BID NO. 13-2026
SODIUM HYPOCHLORITE 12.5%

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Per Region, Agency and Delivery Facility Name and Location			Frequency of Deliveries	Typical Delivery Size
City of Daly City/North San Mateo County Sanitation District				
Daly City Wastewater Plant	153 Lake Merced Blvd	Daly City	Every 7-14 days	4,000-4,500 gallons
City of Millbrae				
Water Pollution Control Plant	400 E. Millbrae Ave	Millbrae	1 every 3-4 weeks	4,800 gallons
City of San Mateo				
City of San Mateo WQCP	2050 Detroit Drive	San Mateo, CA	every 2-3 weeks	Full load
Sewer Authority Mid-Coastside				
	1000 N. Cabrillo Hwy	Half Moon Bay	Monthly	5,000 gallons / month
Montara Pump Station	16th St and Cabrillo Hwy	Montara	Monthly	2,500 gallons / month
Princeton Pump Station	West Point at Stanford Ave	Half Moon Bay	Monthly	2,500 gallons / month
SACRAMENTO				
Carmichael Water District				
Bajamont Water Treatment Plant	3501 Bajamont Way	Carmichael	9 per year	Full load, approx 5,000 gallons

BAY AREA CHEMICAL CONSORTIUM
DELIVERY DETAILS
BID NO. 13-2026
SODIUM HYPOCHLORITE 12.5%

The frequency of deliveries and typical delivery size are estimates of anticipated usage for a 12-month period and are given for informational purposes only and are not used in any calculations to determine the lowest overall bid (Section I, Paragraph 2.16 Method of Award).

Per Region, Agency and Delivery Facility Name and Location			Frequency of Deliveries	Typical Delivery Size
City of Roseville				
Johnson Pool	100 D Street	Roseville 95661	Jan - Mar 1 time during 3 months Apr - May 1 time per month Jun - Sep 1 time per week Oct - Dec 1 time per month	400 - 500 gallons
Mike Shellito Indoor Pool (MSIP)	10210 Fairway Dr	Roseville 95678	Jan - Mar 1 time per month Apr - May 2 times per month Jun - Sep 2 times per month Oct - Dec 1 time per month	400 -500 gallons
Pleasant Grove Wastewater Treatment Plant	5051 Westpark Dr	Roseville 95747	One every 10 days June, July, August and September. Once a month the rest of the year	~ 5,000 gallons
Roseville Aquatic Complex (RAC)	3051 Woodcreek Oaks Blvd	Roseville 95747	Jan - Mar. 1 time per month Apr -May. 1 time per week Jun - Sep. 1 time per week Oct - Dec 1 time per month	800-1,500 gallons
Roseville Energy Park	5120 Phillip Rd	Roseville 95747	Every 1-2 Months	1200 gal Order only half-sized load
Roseville Water Treatment Plant	9595 Barton Rd	Granite Bay 95746	40 per year 2 per week in summer 1-2 per month in winter	5,000 gallons
Well 12	1745 Blue Oaks Blvd	Roseville 95747	Monthly	300 gallons
Well 18	4030 Solaire Drive	Roseville 95747	Monthly	300 gallons
Well 5	1750 Chelsea Wy	Roseville 95661	Monthly	300 gallons
Well 6	1490 Northpark Dr.	Roseville 95747	Monhtly	300 gallons
Well 7	8301 Woodcreek Oaks Blvd	Roseville 95747	Monthly	300 gallons
Well 8	2100 Hayden Parkway	Roseville 95747	Monthly	300 gallons
Well 9	2275 Westbrook Boulevard	Roseville 95747	Monthy	300 gallons
Westside Tank	4501 Westpark Drive	Roseville 95747	Monthly	300 gallons

BAY AREA CHEMICAL CONSORTIUM
DELIVERY DETAILS
BID NO. 13-2026
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Per Region, Agency and Delivery Facility Name and Location			Frequency of Deliveries	Typical Delivery Size
City of Sacramento				
Combined Wastewater Treatment Plant	1391 35th Avenue	Sacramento	Rain dependent - can be multiple orders each week	4,800 gallons
Pioneer Reservoir	2100 Front Street (cross street is V Street)	Sacramento	Rain dependent - can be multiple orders each week	4,800 gallons
City of Yuba City				
Gauche Park City Swimming Pool	421 C Street	Yuba City	Weekly during summer; biweekly in winter	200-250 gals in summer; 125-200 gals in winter
El Dorado Irrigation District				
Deer Creek Wastewater Treatment Plant	1565 Deer Creek Rd	Cameron Park, CA 95682	Quarterly	5,000 gallons
EID Reservoir 1 Water	5575 Gilmore Rd	Pollock Pines, CA 95726	Quarterly	5,000 gallons
EID Reservoir A Water	5560 Sly Park Rd	Pollock Pines, CA 95726	Monthly	5,000 gallons
El Dorado Hills Wastewater Treatment Plant	4625 Latrobe Rd	El Dorado Hills, CA 95762	Bimonthly	5,000 gallons
El Dorado Hills Water Plant	1835 Francisco Dr	El Dorado Hills, CA 95762	Monthly	5,000 gallons
Nevada Irrigation District				
E. George Treatment Plant	11258 Banner Lava Cap Rd	Nevada City	5 loads per year 12.5%	5,000 gallons
Lake of the Pines (LOP) Treatment Plant	12812 Torrey Pines Dr	Auburn	4 loads per year 5.25%, 1 load per year 12.5%	5,000 gallons 5.25% and 5,000 gallons of 12.5%
Lake Wildwood Water Treatment Plant	14149 Beitler Road	Penn Valley	4 loads per year 5.25%, 1 load per year 12.5%. Driver must contact plant for escort.	5,000 gallons 5.25% and 5,000 gallons of 12.5%
Loma Rica Water Treatment Plant	13786 Loma Rica Dr	Grass Valley	5 loads per year 5.25%, 1 load per year 12.5%. Driver must contact plant for escort.	5,000 gallons 5.25% and 5,000 gallons of 12.5%
North Auburn Treatment Plant	12278 Locksley Lane	Auburn	6 loads per year 5.25%, 1 load per year 12.5%	5,000 gallons 5.25% and 5,000 gallons of 12.5%
Rancho Murieta Community Services District				
Wastewater Reclamation Plant	15160 Jackson Road	Rancho Murieta	Every 3 weeks	5000 gallons

BAY AREA CHEMICAL CONSORTIUM
DELIVERY DETAILS
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SODIUM HYPOCHLORITE 12.5%

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Per Region, Agency and Delivery Facility Name and Location			Frequency of Deliveries	Typical Delivery Size
Sacramento County Water Agency				
Big Horn Water Treatment Plant	8280 Civic Center Dr	Elk Grove	Average is once per month	3,000 gallons
Dwight Road Water Treatment Plant	3500 Dwight Rd	Elk Grove	Average is once per month	1,200 gallons
East Elk Grove Water Treatment Plant	9960 Waterman Rd	Elk Grove	Average is once per month	3,000 gallons
Lakeside Water Treatment Plant	2280 Maritime Dr	El kGrove	Average is once per month	3,000 gallons
Poppy Ridge Water Treatment Plant	7510 Poppy Ridge	Elk Grove	Average is once per month	3,000 gallons
Vineyard Surface Water Treatment Plant	10151 Florin Road	Sacramento	Once or twice a week.	Full Tanker Delivery.
SOUTH BAY				
City of Morgan Hill				
Boys Ranch #2 Well	1000 Burnett Ave	Morgan Hill	1-2x per month	100 - 300 gallons
Boys Ranch #3 Well	1002 Burnett Ave	Morgan Hill	1-2x per month	100 - 300 gallons
Butterfield Well	17935 Calle Hermosa	Morgan Hill	1-2x per month	100 - 300 gallons
Diana #1 Well	200 Diana Ave	Morgan Hill	1-2x per month	100 - 300 gallons
Diana #2 Well	1420 Diana Ave	Morgan Hill	1-2x per month	100 - 300 gallons
Diana #3 Well	1000 Diana Ave	Morgan Hill	1-2x per month	100 - 300 gallons
Diana #4 Well	505 Diana Ave	Morgan Hill	1-2x per month	100 - 300 gallons
Dunne #1 & 2 Wells	100 E. Dunne Ave	Morgan Hill	1-2x per month	100 - 300 gallons
Jackson Well	2150 E. Dunne Ave	Morgan Hill	1-2x per month	100 - 300 gallons
Main #1 and #2 Well	470 E. Main Ave	Morgan Hill	1-2x per month	100 - 300 gallons
Main #3 Well	615 E. Main Ave	Morgan Hill	1-2x per month	100-300 gallons
Nordstrom Well	17002 Murphy Ave	Morgan Hill	1-2x per month	100 - 300 gallons
San Pedro Well	1240 San Pedro Ave	Morgan Hill	1-2x per month	100 - 300 gallons
City of Sunnyvale				
City of Sunnyvale Wastewater Treatment Plant	1444 Borregas Avenue	Sunnyvale	~5 times per month	5,000 gallons
City of Watsonville				
Watsonville WWTF	500 Clearwater Lane	Watsonville	1x per month	Full truck load
Pajaro Valley Water Management Agency				
Pajaro Valley Water Management Agency College Lake WTP	76 Holohan, Gate 2	Watsonville, CA 95076	monthly	4,800 gallons

BAY AREA CHEMICAL CONSORTIUM
DELIVERY DETAILS
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SODIUM HYPOCHLORITE 12.5%

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Per Region, Agency and Delivery Facility Name and Location			Frequency of Deliveries	Typical Delivery Size
San Jose - Santa Clara Regional Wastewater Facility				
San Jose Regional Wastewater Facility	700 Los Esteros Rd	San Jose	4 loads per week	5,000 gallons (full tanker)
Valley Water (Santa Clara Valley Water District)				
Penitencia Water Treatment Plant	3959 Whitman Way	San Jose	+/- 45 loads per year	4,000 gallons
Rinconada Water Treatment Plant	400 More Avenue	Los Gatos	+/- 75 loads per year	4,000 gallons
Santa Teresa Water Treatment Plant	7011 Graystone Lane	San Jose	+/- 60 loads per year	5,000 gallons
Silicon Valley Advanced Water Purification Center	4190 Zanker Road	San Jose	+/- 30 loads per year	4,000 gallons
TRI VALLEY				
City of Livermore				
	101 West Jack London Blvd	Livermore	Weekly	5,000 gallons
Dublin San Ramon Services District				
FOD Pump Station 10A	10 Barnett Boulevard	Dublin	approx 14x per year	360 gals split between 3 sites 120 gal each
FOD Pump Station 300B	3441 Fallon Road	Dublin	approx 14x per year	360 gals split between 3 sites 120 gal each
FOD Reservoir 1A	8218 Rhoda Ave	Dublin	14x per year	360 gallons (split between 3 sites - 120 gals each)
Regional Wastewater Treatment Facility	7399 Johnson Drive	Pleasanton	70x per year (about 6x per month)	4,400 gallons
Water Recycling Plant (DERWA)	7399 Johnson Drive	Pleasanton	8x per year during summer	4,400 gallons
Zone 7 Water Agency				
Del Valle Water Treatment Plant	901 East Vineyard Ave	Livermore	3 per month	5000 gallons
MGDP (M4)	5215 Stoneridge Dr	Pleasanton	6 per year	2,500 gallons
Patterson Pass Water Treatment Plant	8750 Patterson Pass Road	Livermore	2 per month	5000 gallons

SECTION III – 3

BAY AREA CHEMICAL CONSORTIUM
PARTICIPATING MEMBER AGENCY CONTACT LIST
FOR BID NO. 13-2026
SODIUM HYPOCHLORITE 12.5%

BAY AREA CHEMICAL CONSORTIUM
PARTICIPATING MEMBER AGENCY CONTACT LIST
BID NO. 13-2026
SODIUM HYPOCHLORITE

Central Valley

CITY OF STOCKTON

Municipal Utilities Department 2500 Navy Drive Stockton, CA 95206

Kathryn Garcia	Program Manager III - Wastewater	Kathryn.Garcia@stocktonca.gov	209-937-8232

CITY OF TURLOCK

156 S Broadway, #270 Turlock, CA 95380

David Huff		dhuff@turlock.ca.us	
Carlos Guerrero	Utilities Manager	cguerrero@turlock.ca.us	
Nicole Mann		nmann@turlock.ca.us	
Raquel Brasil		rbrasil@turlock.ca.us	

STANISLAUS REGIONAL WATER AUTHORITY

1235 Aldrich Rd. Hughson, CA 95326

Janice Virgo	SRWA Staff Services Assistant	jvirgo@turlock.ca.us	(209)542-4948
Salena Estrada		sestrada@turlock.ca.us	
Michael Powell		mpowell@turlock.ca.us	

East Bay

ALAMEDA COUNTY WATER DISTRICT

43885 South Grimmer Blvd Fremont, CA 94538

Mike Wickham	Water Production Manager	mike.wickham@acwd.com	510-668-6516
Cris Pena	Engineering Supervisor	Cris.Pena@acwd.com	510-668-6541
Renee Gonzalez	Buyer	renee.gonzalez@acwd.com	510-668-4294
Cynthia Ha	Water Production Process Engineer	Cynthia.ha.@acwd.com	510-668-6547

CITY OF HAYWARD

Water Pollution Control Facility 3700 Enterprise Avenue Hayward, CA 94545

David Donovan	WRRF Manager	david.donovan@hayward-ca.gov	510-293-5099
Alex Ameri	Public Works Director	alex.ameri@hayward-ca.gov	
Rita Perez	Purchasing and Services Manager	rita.perez@hayward-ca.gov	510-583-4802
Mark Orlandi	Operations Manager	mark.orlandi@hayward-ca.gov	510-293-5212
Diane Vargas	WRRF Senior Secretary	diane.vargas@hayward-ca.gov	

BAY AREA CHEMICAL CONSORTIUM
PARTICIPATING MEMBER AGENCY CONTACT LIST
BID NO. 13-2026
SODIUM HYPOCHLORITE

CITY OF SAN LEANDRO
Water Pollution Control Plant 3000 Davis Street San Leandro, CA 94577

Sally Perez	Purchasing Technician	sperez@sanleandro.org	510-577-3472
Hayes Morehouse	Water Pollution Control Manager	hmorehouse@sanleandro.org	510-577-3437
Ramya Sankar	Management Analyst	RSankar@sanleandro.org	510-577-3337

UNION SANITARY DISTRICT
5072 Benson Road Union City, CA 94587-2508

Theresa Vasquez	Purchasing Agent	theresav@unionsanitary.ca.gov	510-477-7524
Ariel Teixeira	Buyer I	arielt@unionsanitary.ca.gov	510-477-7527
Armando Lopez	Treatment and Disposal Services Manager	Armandol@unionsanitary.ca.gov	510-477-7517

Marin Sonoma Napa

CENTRAL MARIN SANITATION AGENCY
1301 Andersen Drive San Rafael, CA 94901

Jason Dow		Jdow@cmsa.us	(415) 459-1455
Jacky Wong		jwong@cmsa.us	(415) 459-1455
Peter Kistenmacher	Technical Services Manager	pkistenmacher@cmsa.us	(415) 459-1455

CITY OF MILL VALLEY - SEWERAGE AGENCY OF SOUTHERN MARIN
26 Corte Madera Avenue Mill Valley, CA 94941

Mark Neumann	General Manager	mneumann@cityofmillvalley.gov	(415) 388-2402
Elena Knuutti	Laboratory Director	eknuutti@cityofmillvalley.gov	(415) 388-2402
Brian Exberger	Chief Treatment Plant Operator	bexberger@cityofmillvalley.gov	(415) 388-2402

COUNTY OF SONOMA
400 Aviation Blvd, Suite 100 Santa Rosa, CA 95403

Brenda Haas	General Services - Purchasing Division	brenda.haas@sonomacounty.gov	707-565-1791
Garrett Heinz	Buyer	Garrett.Heinz@sonomacounty.gov	707 565-1787

LAS GALLINAS VALLEY SANITARY DISTRICT
300 Smith Ranch Road San Rafael, CA 94603

Steve Inskeep	Plant Operations Supervisor	sinskeep@lgvsd.org	415-747-7030
Don Moore	Plant Manager	dmoore@lgvsd.org	415-472-1734

BAY AREA CHEMICAL CONSORTIUM
PARTICIPATING MEMBER AGENCY CONTACT LIST
BID NO. 13-2026
SODIUM HYPOCHLORITE

MARIN MUNICIPAL WATER DISTRICT
220 Nellen Avenue Corte Madera, CA 94925

Matthew Steiner Water Quality Manager	msteiner@marinwater.org	415-945-1577
Jim Kenney Superintendent of Operations, Water Treatment ** Call Jim first	jkenney@marinwater.org	415-945-1501
Danelle Graham Senior Buyer	dgraham@marinwater.org	415-945-1402

NAPA SANITATION DISTRICT
1515 Soscol Ferry Road Napa, CA 94558

Christopher Mosier Operator III	cmosier@napasan.com	707- 312-1899
Cristopher Henriquez Operator II	chenriqu@napasan.com	707-312-1595
Andrew Damron, PE General Manager	adamron@napasan.com	707- 258-6007

NORTH MARIN WATER DISTRICT
999 Rush Creek Place Novato, CA 94945

Tim Kennedy Operations/Maintenance Manager	TKennedy@nmwd.com	415-761-8919
Jeff Corda Distribution and Treatment Plant Supervisor	jcorda@nmwd.com	415-761-8965

SANITARY DISTRICT NO. 5 OF MARIN COUNTY
2001 Paradise Drive Tiburon, CA 94920

Casey Cottrell Operations Superintendent	rcottrell@sani5.org	415-435-1501 Ext. 109
Tony Rubio District Manager	trubio@sani5.org	415-435-1501

SAUSALITO MARIN CITY SANITARY DISTRICT
1 East Road Sausalito, CA 94965

Cathy Bondanza	cathy@smcsd.net
Kevin Beneda	Kevinb@smcsd.net
Vince Pasquini	vince@smcsd.net
Jeffery Kingston	jeffrey@smcsd.net

BAY AREA CHEMICAL CONSORTIUM
PARTICIPATING MEMBER AGENCY CONTACT LIST
BID NO. 13-2026
SODIUM HYPOCHLORITE

North Bay

CENTRAL CONTRA COSTA SANITARY DISTRICT
5019 Imhoff Place Martinez, CA 94553-4392

Alan Weer Plant Operations Division Manager	aweer@centralsan.org	925-335-7731
Stephanie King Contracts & Procurement Administrator	sking@centralsan.org	925-229-7307
Amy Compaglia Senior Buyer	acompaglia@centralsan.org	925-229-7306
Kevin Mizuno Finance Manager	kmizuno@centralsan.org	925-229-7119

CITY OF ANTIOCH
Water Treatment Plant P.O. Box 5007 Antioch, CA 94531-5007

Santiago Moreno	smoreno@antiochca.gov	
Operator on Duty		925-382-4246
Marcus Woodland	Mwoodland@antiochca.gov	925-779-7029

CITY OF BRENTWOOD
2251 Elkins Way Brentwood, CA 94513

Katrina Walters Administrative Secretary	kwalters@brentwoodca.gov	925-516-6060
Juan Herrera Wastewater Treatment Plant Supervisor	jherrera@brentwoodca.gov	925-516-6060
Mark Huber Wastewater Operations Manager	mjhuber@brentwoodca.gov	925.516.6030

CITY OF MARTINEZ
525 Henrietta Street Martinez, CA 94553

Hiren Patel Water Operations Supervisor	hpatel@cityofmartinez.org	925-372-3588
George Pavlov Water Superintendent	gpavlov@cityofmartinez.org	925-372-3587

CITY OF PINOLE (PINOLE/HERCULES WPCP)
11 Tennet Avenue Pinole, CA 94564

Mike Howe Operations Supervisor	mhowe@ci.pinole.ca.us	(510) 724-9013
Josh Binder Plant Manager	jbinder@ci.pinole.ca.us	(510) 724 - 8964

CITY OF PITTSBURG
Water Treatment Plant 300 Olympia Drive Pittsburg, CA 94565

Mike Silva Water Plant Supervisor	Msilva@pittsburgca.gov	925 252-6934
Jason Moser Water Treatment Plant Superintendent	jmoser@pittsburgca.gov	925-252-6997

BAY AREA CHEMICAL CONSORTIUM
PARTICIPATING MEMBER AGENCY CONTACT LIST
BID NO. 13-2026
SODIUM HYPOCHLORITE

CONTRA COSTA WATER DISTRICT
1331 Concord Ave Concord, CA 94520-4907

Judy Phan Purchasing Officer	jphan@ccwater.com	925-688-8220
Ken Dooley Water Treatment Supervisor	kdooley@ccwater.com	925-625-6601
Nicole Quesada Administrative Analyst	nquesada@ccwater.com	925-625-6602
Kim Waddy Buyer	kwaddy@ccwater.com	925-688-8012

DELTA DIABLO SANITATION DISTRICT
2500 Pittsburg-Antioch Hwy. Antioch, CA 94509-1373

Joaquin Gonzalez Operations Manager	joaquing@deltadiablo.org	925-756-1971
Jeffrey Beckham Purchasing Supervisor	jeffreyb@deltadiablo.org	925-756-1328
Anika Lyons Finance Manager	anikal@deltadiablo.org	925-756-1924

DIABLO WATER DISTRICT
87 Carol Lane Oakley, CA 94561-0127

Nacho Mendoza Manager of Water Operations	nmendoza@diablowater.org	925-625-2112

IRONHOUSE
450 Walnut Meadows Drive Oakley, CA 94561

Jean-Marc H. Petit General Manager	Petit@isd.us.com	925-809-3001
Mike Allen WRF Superintendent	allen@isd.us.com	(925)-625-2279
John DeFremery WRF Supervisor	defremery@isd.us.com	(925) 848-0512
Lettisha Wamsley Administrative Technician – Purchasing	Wamsley@isd.us.com	(925) 809-3014

PLEASANT HILL RECREATION & PARK DISTRICT
147 Gregory Lane Pleasant Hill, CA 94523

Korey Riley Aquatics Program Manager	Kriley@PleasantHillRec.com	925-682-0896

RODEO SANITARY DISTRICT
800 San Pablo Avenue Rodeo, CA 94572

Nancy Lefebvre	lefebvren@rodeosan.org	
Steven S. Beall District Manager	bealls@rodeosan.org	510-799-2970 x100
Jeff Greer	greerj@rodeosan.org	

BAY AREA CHEMICAL CONSORTIUM
PARTICIPATING MEMBER AGENCY CONTACT LIST
BID NO. 13-2026
SODIUM HYPOCHLORITE

WEST COUNTY WASTEWATER DISTRICT
2910 Hilltop Drive Richmond, CA 94806

Marica Smith	Operations Field Supervisor	msmith@wcwd.org	510-704-3780
Manuel Molina	Operations & Maintenance Manager	mmolina@wcwd.org	510-529-5693
Andre Welles	i.Operations Field Supervisor	awelles@wcwd.org	510 812-8275
Dalvin Hayes	Secretary	Dhayes@wcwd.org	510 237-6603
Aaron Winer	Director of Water Quality & Resource Recovery	AWiner@wcwd.org	510 812-9586

Peninsula

CITY OF SOUTH SAN FRANCISCO
San Bruno Water Quality Control Plant 195 Belle Air Road South San Francisco, CA 94080

Kunning Zhu	Laboratory Supervisor	Kunning.zhu@ssf.net	650-829-3854
Brian Schumacker	Plant Superintendent	Brian.Schumacker@ssf.net	650-829-3844

CITY OF DALY CITY/NORTH SAN MATEO COUNTY SANITATION DISTRICT
153 Lake Merced Blvd Daly City, CA 94015

Brandon Wardle	Senior Operator	bwardle@dalycity.org	650-991-8200
Gregory Krauss	Chief of Operations	gkrauss@dalycity.org	650-991-8204
Frank Ascariz	Assistant Chief of Operations	fascariz@dalycity.org	650-991-8205

CITY OF MILLBRAE
Water Pollution Control Plant 400 E Millbrae Ave Millbrae, CA 94030

Craig Centis	Deputy Director of Public Works	ccentis@ci.millbrae.ca.us	650-259-2376
Harry Kwong	Chief Operator	hkwong@ci.millbrae.ca.us	650-346-7658

CITY OF SAN MATEO
City of San Mateo WWTP 2050 Detroit Drive San Mateo, CA 94404

Alonso Barahona	Management Analyst II	abarahona@cityofsanmateo.org	650-522-7334
Xiongbing Liang	Laboratory Supervisor	xliang@cityofsanmateo.org	650-522-7380
Robert Knox	Operations Superintendent /Chief Plant Operator	rknox@cityofsanmateo.org	650-522-7380
Rob Learmonth	Planet Manager	rlearmonth@cityofsanmateo.org	

BAY AREA CHEMICAL CONSORTIUM
PARTICIPATING MEMBER AGENCY CONTACT LIST
BID NO. 13-2026
SODIUM HYPOCHLORITE

SEWER AUTHORITY MID-COASTSIDE
1000 N. Cabrillo Highway Half Moon Bay, CA 94019

Kishen Prathivadi General Manager	Kishen@samcleanswater.org	650-726-0124
George Evans Finance Officer	gevans@samcleanswater.org	650-726-0124

Sacramento

CARMICHAEL WATER DISTRICT
7837 Fair Oaks Blvd. Carmichael, CA 95608

David Biagi	davidb@carmichaelwd.org	916-679-0457

CITY OF ROSEVILLE
311 Vernon Street Roseville, CA 95678

Shannon Wiest Purchasing and Warehouse Manager	swiest@roseville.ca.us	916-746-1112
Becky Philipp Purchasing Supervisor	bphilipp@roseville.ca.us	916-746-1110

CITY OF SACRAMENTO
Department of Utilities 5730 24th Street, Bldg 22 Sacramento, CA 95822

David Herrmann Division Manager, Water Division	dherrmann@cityofsacramento.org	916-808-5652
Dalton Le Program Specialist, Water Division	DMLe@cityofsacramento.org	916-808-6008
Andrew Costan Program Specialist	acostan@cityofsacramento.org	916-808-6339

BAY AREA CHEMICAL CONSORTIUM
PARTICIPATING MEMBER AGENCY CONTACT LIST
BID NO. 13-2026
SODIUM HYPOCHLORITE

CITY OF YUBA CITY

Utilities Department 701 Northgate Drive Yuba City, CA 95991

Kaylashia Byrd	Finance Administrative Analyst	kbyrd@yubacity.net	530-822-4659
Mylaina McMurray	Utilities Administrative Analyst	mmcmurray@yubacity.net	530-822-5365
Joseph Jones	Finance Accounting Manager	jjones@yubacity.net	530-822-4803
Jennifer Troche	Utilities Administrative Assistant	utilitiesadmin@yubacity.net	530-822-7571
Christian Elder	Water Treatment Plant Supervisor	celder@yubacity.net	530-822-4759
Finance Department	Purchasing Team	purchasing@yubacity.net	530-822-4618
Veronica Kemmerly	Accountant I	vkemmerly@yubacity.net	530-822-4646
Mike Finnigan	Wastewater Treatment Facility Supervisor	mfinniga@yubacity.net	530-822-7696
Scarlett Harris	Utilities Administrative Manager	sharris@yubacity.net	530-822-5366
Lance Andes	Water Treatment Chief Plant Operator	landes@yubacity.net	530-822-4637
David Newgard	Wastewater Treatment Facility Chief Plant Operator	dnewgard@yubacity.net	530-822-7698

EL DORADO IRRIGATION DISTRICT

2890 Mosquito Road Placerville, CA 95667

Ryan Deakyne	Senior Buyer	rdeakyne@eid.org	530-642-4405

NEVADA IRRIGATION DISTRICT

1036 W. Main Street Grass Valley, CA 95945

Jon Ritter	Purchasing Supervisor	ritterj@nidwater.com	530-271-6894
Shad Chittock	Water Treatment Superintendent	chittocks@nidwater.com	530-271-6899
Coby McCoy	Water Treatment Supervisor	mccoyc@nidwater.com	530 913-9710
Delivery Dispatcher			(530) 273-6185, option 2 for Customer Service.

RANCHO MURIETA COMMUNITY SERVICES DISTRICT

15160 Jackson Road Rancho Murieta, CA 95683

Travis Bohannon	Chief Plant Operator	tbohannon@rmcsd.com	916-870-5368

BAY AREA CHEMICAL CONSORTIUM
PARTICIPATING MEMBER AGENCY CONTACT LIST
BID NO. 13-2026
SODIUM HYPOCHLORITE

SACRAMENTO COUNTY WATER AGENCY

Vineyard Surface Water Treatment Plant 10151 Florin Road Sacramento, CA 95829

Maria Cojocari	Contract Services Officer	CojocariM@saccounty.gov	
Tom Pasterski	Water System Superintendent	pasterskit@saccounty.gov	916-876-6430
Aaron Robertson	Water System Manager	robertsona@saccounty.gov	916-875-0746

South Bay

CITY OF MORGAN HILL

100 Edes Court Morgan Hill, CA 95037-5301

Inga Alonzo	Public Utilities Management Analyst	inga.alonzo@morganhill.ca.gov	408-310-4182

CITY OF SUNNYVALE

Water Pollution Control Plant 1444 Borregas Avenue Sunnyvale, CA 94088-3707

Ryan Smith	WWTP Operations Manager	RASmith@sunnyvale.ca.gov	408-730-7716
Julie Callaghan	Admin Aide	jcallaghan@sunnyvale.ca.gov	408-730-7719
Rohan Wikramanayake	Division Manager	RWikramanayake@sunnyvale.ca.gov	408-730-7788
Lisa Vo	Purchasing	lvo@sunnyvale.ca.gov	408-730- 7608

CITY OF WATSONVILLE

500 Clearwater Lane Watsonville, CA 95076

Beau Kayser	Water Division Manager	beau.kayser@watsonville.gov	831-768-3193
Ruben Tellez	Interm Wastewater Division Manager	ruben.tellez@watsonville.gov	
Alfonso Castaneda	Operations Supervisor	alfonso.castaneda@watsonville.gov	

PAJARO VALLEY WATER MANAGEMENT AGENCY

36 Brennan St Watsonville, CA 95076

Shinehah Bigham	Operations & Maintenance Manager	bigham@pvwater.org	(831)254-0549
Brian Lockwood	General Manager	lockwood@pvwater.org	(831)722-9292
Ruben Garcia	Water System Operator	rgarcia@pvwater.org	(831)706-0282

BAY AREA CHEMICAL CONSORTIUM
PARTICIPATING MEMBER AGENCY CONTACT LIST
BID NO. 13-2026
SODIUM HYPOCHLORITE

SAN JOSE - SANTA CLARA REGIONAL WASTEWATER FACILITY
700 Los Esteros Road San Jose, CA 95134

Justin Sabla	Wastewater Ops Superintendent	Justin.Sabla@sanjoseca.gov	(408) 793-5375
Bryan Berdeen	Chief Plant Operator	Bryan.Berdeen@sanjoseca.gov	(408) 635-2058
Mark Nicholl	Wastewater Ops Superintendent	Mark.Nicholl@sanjoseca.gov	408-635-6635
Alex Rodriguez	Division Manager of Wastewater Ops	alex.rodriguez@sanjoseca.gov	(408) 635-2087

VALLEY WATER (SANTA CLARA VALLEY WATER DISTRICT)
5750 Almaden Expressway San Jose, CA 95118

Zachary DeVine	Supervising Program Administrator	ZDevine@valleywater.org	408-630-2495
Lotina Nishijima	South Water Treatment Manager	LNishijima@valleywater.org	408-630-2795
Lei Hong	North Water Treatment Manager	LHong@valleywater.org	408-630-2761
Kelly Grabeel	Procurement Specialist	KGrabeel@valleywater.org	408-630-2397
Hortencia Gonzalez-Palencia	Senior Management Analyst	hgonzalez@valleywater.org	408-630-2489

Tri Valley

CITY OF LIVERMORE
Water Resources/Public Works Department 101 West Jack London Blvd. Livermore, CA 94551

Andrew Hall	Operations Manager	athall@LivermoreCA.gov	925-960-8122

DUBLIN SAN RAMON SERVICES DISTRICT
Regional Wastewater Treatment Facility 7399 Johnson Drive Pleasanton, CA 94588

Corinne Ferreyra	Senior Management Analyst	ferreyra@dsrsd.com	925-875-2298
Danny Ward	Water/Wastewater Systems Superintendent	dward@dsrsd.com	925-875-2371
Tim Lewis	WWTP Operations Superintendent	tlewis@dsrsd.com	925-875-2300

ZONE 7 WATER AGENCY
100 North Canyons Parkway Livermore, CA 94551

Zeljka Bozic	Buyer I	zbozic@zone7water.com	925 454 5029

SECTION IV

BAY AREA CHEMICAL CONSORTIUM
BID CONTRACT DOCUMENTS
FOR BID NO. 13-2026
SODIUM HYPOCHLORITE 12.5%

***** All of the following pages must be properly competed and submitted for the bid to be considered complete. *****

BAY AREA CHEMICAL CONSORTIUM
STANDARD AGREEMENT, PAGE 1 OF 2
BID NO. 13-2026
SUPPLY AND DELIVERY OF SODIUM HYPOCHLORITE 12.5%

I hereby agree to furnish SODIUM HYPOCHLORITE 12.5% identified in the attached bid forms, as solicited by the Bay Area Chemical Consortium (BACC), to one or more of the participating BACC Agencies.

Company: _____

Address: _____

City, State, ZIP: _____

Phone: _____

Email: _____

Authorized Representative: _____

Signature: _____

Date: _____

WE ACKNOWLEDGE RECEIVING ADDENDUM/ADDENDA NUMBER _____ THROUGH _____.

SPECIFIC DEVIATIONS:

☐ This box must be checked if bidder has any proposed specific deviations. Per Section 2.12 Proposed Deviations from the Specifications by the Bidder, the absence of a proposed changed in the specifications will hold the bidder strictly accountable to the specifications as described in the bid document, including any addendum.

Describe the specific deviations below. A copy of the proposed specifications must be attached to this Standard Agreement at the time of submission, with bidder's name clearly shown on each document.

_____

_____

_____

_____

_____

Description of Emergency Supply Plan: Provide a summary of vendor's plans to continue to supply product in the event of an unexpected disaster or urgent emergency event.

_____

_____

_____

STANDARD AGREEMENT, PAGE 2 OF 2

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BIDDER INFORMATION

1. Legal Name of Bidder:

   _____

2. Bidder's Street Address:

   _____

3. Mailing Address:

   _____

4. Business Telephone: _____ Fax Number: _____

5. Type of Supplier:
   □ Sole Proprietor □ Partnership □ Corporation □ LLC
   If Corporation, indicate State where incorporated: _____

6. Business License Number issued by the City where the Supplier's principal place of business is located.
   Number: _____ Issuing City: _____

7. Supplier Federal Tax Identification Number: _____

8. Emergency Contact: Name: _____
   Phone Number: _____

9. Order Contact: Name: _____
   Address: _____
   Phone Number: _____ Fax Number: _____
   Email: _____

10. References:

Company/Agency Name	Contact Name	Phone Number
1)_____	_____	_____
2) _____	_____	_____
3) _____	_____	_____

11. Chemical Manufacturer's name and address (if different from Bidder):

_____
_____
_____
_____

Non-Collusion Affidavit
To Be Executed By Bidder and Submitted With Bid

State of California)
) ss.
County of _____)

_____, being first duly sworn, deposes and says that he or she is the
(Bidder's Authorized Representative)

_____ of _____ the party making the
(Title of Representative) (Legal Name of Bidder)

foregoing bid that the bid is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization, or corporation; that the bid is genuine and not collusive or sham; that the bidder has not directly or indirectly induced or solicited any other bidder to put in a false or sham bid, and has not directly or indirectly colluded, conspired, connived, or agreed with any bidder or anyone else to put in a sham bid, or that anyone shall refrain from bidding; that the bidder has not in any manner, directly or indirectly, sought by agreement, communication, or conference with anyone to fix the bid price of the bidder or any other bidder, or to fix any overhead, profit, or cost element of the bid price, or of that of any other bid, or to secure any advantage against the public body awarding the contract of anyone interested in the proposed contract; that all statements contained in the bid are true; and, further, that the bidder has not, directly or indirectly, submitted his or her bid price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, or paid, and will not pay, any fee to any corporation, partnership, company association, organization, bid depository, or to any member or agent thereof to effectuate a collusive or sham bid.

I declare under penalty of perjury under the laws of the state of California that the foregoing is true and correct.

_____
Signature of: President, Secretary,
Manager, Owner, or Representative

Subscribed and sworn to before me this, _____day of _____, 20 ___

_____
Signature of Notary Public In and For

The County of _____,

State of _____

All Signatures Must Be Witnessed By Notary

1692799v1

BAY AREA CHEMICAL CONSORTIUM
BID FORM FOR BID NO. 13-2026
FOR SUPPLY AND DELIVERY OF SODIUM HYPOCHLORITE 12.5%

Sealed bids must be submitted in a PDF format and bidders must enter bid prices into the electronic bid platform (Line Item page)
https://bacwa.org/about-bacc/

No later than 4:00 PM. PT
Thursday, February 19, 2026

Legal Name of Bidder:
_____

Business Address
_____
_____
_____
Telephone Number: _____
Facsimile Number: _____
Email Address: _____

Authorized Representative (Please Print):
_____
Signature:_____
Date: _____

I. **All costs except California State sales tax and tariffs for the purchase of SODIUM HYPOCHLORITE 12.5% must be included in the amount shown entered into the electronic bid platform (Line Item page), including any and all mill assessments, fees, excise taxes, transportation charges, etc. Any exceptions to the bid must be noted under Specific Deviations on the Standard Agreement. Bidders shall submit bids per unit of measure as specified in the electronic bid platform (Line Item page).**

II. **Bidders must submit all of the following, attached to this Bid Form:**

a. All requirements listed in Section 2.21 Manufacturer's Info.

b. If applicable, the name, address, and contact information for the third party hauling company as well as an affidavit signed by the Bidder that the third party hauler can and will deliver the chemical to each and every participating BACC Agency.

III. **Bidder Obligations**

By signing this Bid Form and entering into individual purchase orders, purchase agreements and /or contracts with BACC agencies, the bidder expressly agrees to be bound by all the provisions of the bid solicitation, including Sections I-IV.

BAY AREA CHEMICAL CONSORTIUM
Worksheet
BID NO. 13-2026
SODIUM HYPOCHLORITE

Refer to paragraph 2.4 Bid Pricing for full details.

Bidders shall submit bids in US$ per unit of measure indicated on this bid form, FOB Destination.
Bid prices shall be based on bulk deliveries of 2,000 gallons or more. Bidders must submit their Bid Prices via electronic bid platform - Line Items section. Do not submit Worksheet.

	Unit of Measure	Bid Price per Unit of Measure
Sodium Hypochlorite 12.5%		
Central Valley	gal	$
City of Stockton		
City of Turlock		
Stanislaus Regional Water Authority		
East Bay	gal	$
Alameda County Water District		
City of Hayward		
City of San Leandro		
Union Sanitary District		
Marin Sonoma Napa	gal	$
Central Marin Sanitation Agency		
City of Mill Valley - Sewerage Agency of Southern Marin		
County of Sonoma		
Las Gallinas Valley Sanitary District		
Marin Municipal Water District		
Napa Sanitation District		
North Marin Water District		
Sanitary District No. 5 of Marin County		
Sausalito Marin City Sanitary District		
North Bay	gal	$
Central Contra Costa Sanitary District		
City of Antioch		
City of Brentwood		
City of Martinez		
City of Pinole (Pinole/Hercules WPCP)		
City of Pittsburg		
Contra Costa Water District		
Delta Diablo Sanitation District		
Diablo Water District		
Ironhouse		
Pleasant Hill Recreation & Park District		
Rodeo Sanitary District		
West County Wastewater District		

DO NOT SUBMIT WORKSHEET
ENTER BID PRICES VIA ELECTRONIC BID PLATFORM

BAY AREA CHEMICAL CONSORTIUM
Worksheet
BID NO. 13-2026
SODIUM HYPOCHLORITE

Refer to paragraph 2.4 Bid Pricing for full details.

Bidders shall submit bids in US$ per unit of measure indicated on this bid form, FOB Destination.
Bid prices shall be based on bulk deliveries of 2,000 gallons or more. Bidders must submit their Bid Prices via electronic bid platform - Line Items section. Do not submit Worksheet.

	Unit of Measure	Bid Price per Unit of Measure
Peninsula	gal	$
City of South San Francisco		
City of Daly City/North San Mateo County Sanitation District		
City of Millbrae		
City of San Mateo		
Sewer Authority Mid-Coastside		
Sacramento	gal	$
Carmichael Water District		
City of Roseville		
City of Sacramento		
City of Yuba City		
El Dorado Irrigation District		
Nevada Irrigation District		
Rancho Murieta Community Services District		
Sacramento County Water Agency		
South Bay	gal	$
City of Morgan Hill		
City of Sunnyvale		
City of Watsonville		
Pajaro Valley Water Management Agency		
San Jose - Santa Clara Regional Wastewater Facility		
Valley Water (Santa Clara Valley Water District)		
Tri Valley	gal	$
City of Livermore		
Dublin San Ramon Services District		
Zone 7 Water Agency		

Sodium Hypochlorite 12.5% in 275 gal totes (OPTIONAL BID ITEM)

Central Valley	gal	$
City of Stockton		
North Bay	gal	$
Contra Costa Water District		

DO NOT SUBMIT WORKSHEET
ENTER BID PRICES VIA ELECTRONIC BID PLATFORM

BAY AREA CHEMICAL CONSORTIUM
Worksheet
BID NO. 13-2026
SODIUM HYPOCHLORITE

Refer to paragraph 2.4 Bid Pricing for full details.

Bidders shall submit bids in US$ per unit of measure indicated on this bid form, FOB Destination.
Bid prices shall be based on bulk deliveries of 2,000 gallons or more. Bidders must submit their Bid Prices via electronic bid platform - Line Items section. Do not submit Worksheet.

	Unit of Measure	Bid Price per Unit of Measure
Tri Valley Dublin San Ramon Services District	gal	$

Sodium Hypochlorite 12.5% in Carboys (OPTIONAL BID ITEM)

Marin Sonoma Napa County of Sonoma	gal	$

Sodium Hypochlorite 5.25% (OPTIONAL BID ITEM)

Sacramento Nevada Irrigation District	gal	$

DO NOT SUBMIT WORKSHEET
ENTER BID PRICES VIA ELECTRONIC BID PLATFORM

SIGNATURES

The parties have signed this Contract, effective as of the day and year first stated above.

CONTRACTOR

Under penalty of perjury, I certify that the information provided here is correct.

Signature: 

Title: Business Director, Bleach

Additional Signature (if required):

Title:

CITY OF SACRAMENTO

A Municipal Corporation

APPROVED AS TO FORM:

Signature: Michael Voss

Title: Senior Deputy City Attorney

Reviewed By:

Signature:

Title:

Approved By:

Signature:

Title:

Additional Signature (if required):

Title:

CONTRACT #: PRC004211
CONTRACT NAME: SODIUM BISULFITE
AGREEMENT TERM: JULY 1, 2026 - JUNE 30, 2027
AUTHORIZED RENEWALS: THREE (3) ADDITIONAL ONE (1) YEAR TERMS
DEPARTMENT/DIVISION: UTILITIES / WASTEWATER & DRAINAGE

PROJECT: N/A
NOT-TO-EXCEED AMOUNT: $350,000
SOLICITATION: ALTERNATIVE METHOD
LBE (Y/N): N
COUNCIL FILE ID: 2026-01012

BAY AREA CHEMICAL CONSORTIUM
STANDARD AGREEMENT, PAGE 1 OF 2
BID NO. 11-2026
SUPPLY AND DELIVERY OF SODIUM BISULFITE

I hereby agree to furnish SODIUM BISULFITE identified in the attached bid forms, as solicited by the Bay Area Chemical Consortium (BACC), to one or more of the participating BACC Agencies.

Company: Univar Solutions USA, LLC
Address: 8201 S 212th St
City, State, ZIP: Kent, WA 98032
Phone: 253-872-5040
Email: jennifer.perras@univarsolutions.com or Muniteam-west@univarsolutions.com
Authorized Representative: Jennifer M. Perras
Signature:
Date: 2/13/2026

WE ACKNOWLEDGE RECEIVING ADDENDUM/ADDENDA NUMBER _____ THROUGH _____.

SPECIFIC DEVIATIONS:

☑ This box must be checked if bidder has any proposed specific deviations. Per Section 2.12 Proposed Deviations from the Specifications by the Bidder, the absence of a proposed changed in the specifications will hold the bidder strictly accountable to the specifications as described in the bid document, including any addendum.

Describe the specific deviations below. A copy of the proposed specifications must be attached to this Standard Agreement at the time of submission, with bidder's name clearly shown on each document.
Any order less than 2,000 gal. will be charged an LTL fee of $575.00 per delivery.
If a load is split between mutliple sites and the delivery volume is less than 2,000 gal., one LTL fee with be charged.

The LBS. to Gal conversion is as follows, 25%-9.92lbs./gal, 38-40%-11.09lbs./gal

Description of Emergency Supply Plan: Provide a summary of vendor's plans to continue to supply product in the event of an unexpected disaster or urgent emergency event.
we have our fleet of trucks and drivers, if our facilites are up and running. Municipalities are our first priority.
We have tanks of chemicals at our facilities that can supply chemicals.
We can pull from Sacramento Ag., Redwood City, Santa Fe Springs & Commerce, CA

STANDARD AGREEMENT, PAGE 2 OF 2

1692799v1

BIDDER INFORMATION

1. Legal Name of Bidder:
   Univar Solutions USA, LLC

2. Bidder's Street Address:
   Muni Team-8201 S 212th St., Kent, WA 98032 Branch-2461 Crocker Circle, Fairfield, CA 94533

3. Mailing Address:
   Muni Team-8201 S 212th St., Kent, WA 98032 Invoices-62190 Collections Center Drive, Chicago, IL 60693-0621

4. Business Telephone: 855-785-9499 Fax Number: 408-435-1735

5. Type of Supplier:
   ☐ Sole Proprietor ☐ Partnership ☐ Corporation ☑ LLC
   If Corporation, indicate State where incorporated: Illinois

6. Business License Number issued by the City where the Supplier's principal place of business is located.
   Number: 32739 Issuing City: Fresno, CA

7. Supplier Federal Tax Identification Number: 91-1347935

8. Emergency Contact: Name: Univar
   Phone Number: 833-864-8271

9. Order Contact: Name: Customer Service
   Address: Commerce, CA
   Phone Number: 855-785-9499 Fax Number: 408-435-1735
   Email: custsvc-la@univarsolutions.com

10. References:

Company/Agency Name	Contact Name	Phone Number
1) Please see the attached 3 pages		
2)		
3)		

11. Chemical Manufacturer's name and address (if different from Bidder):
    Univar-12522 Los Neitos Rd., Santa Fe Springs, CA 90670
    Univar- 525 Seaport Blvd., Redwood City, CA 94063
    Sacramento Ag. Products-8625 Unsworth Ave., Sacramento, CA 95828

1692799v1

March 13, 2026

Univar Solutions USA, LLC
Attn: Jennifer M Perras
8201 S 21st St.
Kent, WA 98032

RE: Award Contract in Response to Bay Area Chemical Consortium (BACC) Bid No. 11-2026 for Supply and Delivery of Sodium Bisulfite.

Dear Ms. Perras

We are pleased to advise you that the bid submitted by Univar Solutions USA, LLC. for Bid No. 11-2026 was determined to be the lowest responsive bid for the supply and delivery of Sodium Bisulfite during the period July 1, 2026 through June 30, 2027.

The participating BACC Agencies should be contacting you shortly to discuss entering into contracts with Univar Solutions USA, LLC. for their respective facilities.

Bay Area Chemical Consortium sincerely appreciates your efforts and participation in the competitive bid process.

If you have any questions, please free to contact me at jdyment@bacwa.org

Sincerely,

Jennifer Dyment
Assistant Executive Director
BACWA.org
as Coordinating Agency for the Bay Area Chemical Consortium

Bay Area Clean Water Agencies
Bid Results for Project 11-2026 SODIUM BISULFITE
Bid Due on February 19, 2026 4:00 PM (PDT)
SINGLE BID AWARD

Section	Sodium Bisulfite 25%							SODIUM BISULFITE 40% Solution			
Description	**Central Valley**	**East Bay**	**Marin Sonoma Napa**	**North Bay**	**Peninsula**	**Sacramento**	**South Bay**	**Central Valley**	**East Bay**	**Sacramento**	
Unit of Measure	gal	gal	gal	gal	gal	gal	gal	gal	gal	gal	
Heimburger and Company	$1.5250	$1.5250	$1.5250	$1.5250	$1.5250	$1.5250	$1.5250	$2.6150	$3.6150	$2.6150	* unresponsive 2.21 Manufacturer's Information
Univar Solutions USA LLC.	$1.6350	$1.6350	$1.6350	$1.6350	$1.6350	$1.6350	$1.6350	$3.1000	$5.4000	$2.3200	
Thatcher Company of California, Inc.	$2.0900	$2.0900	$2.0900	$2.0900	$2.0900	$2.0900	$2.0900	$2.7900	$4.0700	$2.7400	

Per Section 2.16 Method of Award
*Bids may be awarded by the participating BACC agencies to the lowest, responsive, and responsible bidder meeting the specifications for bulk loads for the chemical. The lowest responsive bidder will be determined by multiplying the estimated annual quantity for each participating BACC agency by the bid price for their region, and adding up the aggregate cost to all of the participating agencies in the regions. The **single bid** that results in the lowest overall cost to the participating agencies as a group will be determined by BACC to be the low bid, assuming the bid is determined by BACC to be complete and in compliance with the bid requirements. BACC has the right to delete terms or options from the bid contract documents and reserves the right to reject any and all bids and to waive irregularities of said bids.*

Single Bid Award	Sodium Bisulfite 25%							SODIUM BISULFITE 40%				
Aggregate Cost Calculation:	**Central Valley**	**East Bay**	**Marin Sonoma Napa**	**North Bay**	**Peninsula**	**Sacramento**	**South Bay**	**Central Valley**	**East Bay**	**Sacramento**		
Estimated annual quantity gal	**125,000**	**40,000**	**334,532**	**291,000**	**461,000**	**38,400**	**520,000**	**229,500**	**4,000**	**40,000**		
Heimburger and Company	$190,625.00	$61,000.00	$510,161.30	$443,775.00	$703,025.00	$58,560.00	$793,000.00	$600,142.50	$14,460.00	$104,600.00		
Univar Solutions USA LLC.	$204,375.00	$65,400.00	$546,959.82	$475,785.00	$753,735.00	$62,784.00	$850,200.00	$711,450.00	$21,600.00	$92,800.00	$3,785,088.82	Overall lowest
Thatcher Company of California, Inc.	$261,250.00	$83,600.00	$699,171.88	$608,190.00	$963,490.00	$80,256.00	$1,086,800.00	$640,305.00	$16,280.00	$109,600.00	$4,548,942.88	

Univar Solutions USA LLC.
2461 Crocker Circle
Fairfield, CA 94533

T 408-435-8700
F 408-435-1735
800-659-5908
www.univarsolutions.com

UnivarSolutions
Innovate. Grow. Together.

GENERAL INFORMATION

Regular Office Hours during which orders may be placed:

Monday – Friday 7:00 am – 5:00 pm (PST)

In case of an emergency during non-business hours:

For Non-Chemical Emergencies:

1-833-Univar-1 (1-833-864-8271) / CustSol-Energy@Univarsolutions.com

After-hours emergency – 24-hour response: Jennifer Bernhard – (650) 216-8909 (cell)
Brian Wills – (650) 670-7267 (cell)
Lorena Amezcua – (323) 219-5506 (cell)
Manuel Jimenez – (323) 558-2732 (cell)

For Chemical Related Emergencies: ChemTrec: (800) 424-9300

Names, telephone/FAX numbers of those responsible for taking orders and initiating delivery:

Office Phone: (855) 785-9499
Office Fax: (408) 435-1735
Customer Service: (855) 785-9499 Custsvc-la@univarsolutions.com ***NEW EMAIL***
(480) 573-4707

For anything pertaining to bids:
Please send all bid packets/documents to: Univar Solutions USA LLC.
(Unless otherwise specified) Attn: WER Muni Team
8201 S. 212th
Kent, WA 98032-1994

Contacts: muniteam-west@univarsolutions.com

Jennifer Perras
Sr. Municipal Specialist
Phone: (253) 872-5040
Fax: (253) 872-5041
Jennifer.perras@univarsolutions.com

Roise Holiday
Municipal Specialist
(253) 872-5068
(253) 872-5041
Roise.Holiday@univarsolutions.com

Stacy Ziegler
Municipal Specialist
(253) 872-5023
(253) 872-5041
Stacy.ziegler@univarsolutions.com

Shawnasey McCarthy
Municipal Business Manager
(253)872-5052

(253) 872-5041
Shawnasey.mccarthy@univarsolutions.com

Remittance Address:
Univar Solutions USA LLC.
62190 Collections Center Drive
Chicago, IL 60693-0621
Please include remit information

Standard Payment Terms:
Net 30 days

The Public Health and Safety Organization

NSF Product and Service Listings

These NSF Official Listings are current as of **Tuesday, February 10, 2026** at 12:15 a.m. Eastern Time. Please contact NSF to confirm the status of any Listing, report errors, or make suggestions.

Alert: NSF is concerned about fraudulent downloading and manipulation of website text. Always confirm this information by clicking on the below link for the most accurate information:
http://info.nsf.org/Certified/PwsChemicals/Listings.asp?CompanyName=Univar&ChemicalName=Sodium+Bisulfite&

NSF/ANSI/CAN 60
Drinking Water Treatment Chemicals - Health Effects

Univar Solutions Canada Ltd.

9800 Van Horne Way
Richmond, BC V6X 1W5
Canada
604-273-1441

Facility : # 3 Canada

Sodium Bisulfite[1]

Trade Designation	*Product Function*	*Max Use*
Sodium Bisulphite 38%, Solution	Dechlorinator & Antioxidant	50mg/L

[1] This product contains sulfite.
Sulfites have been known to cause potentially lethal allergic reactions in sulfite-sensitive individuals.
The maximum recommended allowable residual sulfite level in the finished drinking water is 100 ppb (0.1 mg/L).

Univar Solutions Canada Ltd. DBA Univar Canada Ltd.

64 Arrow Road
North York, ON M9M 2L9
Canada
416-740-5300

Facility : Guelph, Ontario, Canada

Sodium Bisulfite[5]

Trade Designation	*Product Function*	*Max Use*
SODIUM BISULPHITE (Low odor)	Dechlorination	50mg/L
Sodium Bisulfite 38%	Dechlorination	46mg/L
Sodium Bisulphite 38%	Dechlorination	46mg/L

[5] This product contains sulfite. Sulfites have been known to cause potentially lethal allergic reactions in sulfite-sensitive individuals. The maximum recommended allowable residual sulfite level in the finished drinking water is 100 ppb (0.1 mg/L).

NOTE: Only products bearing the NSF Mark on the product, product packaging, and/or documentation shipped with the product are Certified.

Facility : Valleyfield, Québec, Canada

Sodium Bisulfite

Trade Designation	*Product Function*	*Max Use*
SODIUM BISULPHITE 38% SOLUTION	Dechlorinator & Antioxidant	41mg/L

[1] This product is designed to be used off-line and flushed out prior to using the system for drinking water, following manufacturer's use instructions.
The pH of the influent and effluent water should be monitored to ensure that all traces of the product have been removed before placing into service.

NOTE: Only products bearing the NSF Mark on the product, product packaging, and/or documentation shipped with the product are Certified.

Univar Solutions USA

3075 Highland Parkway

Suite 200
Downers Grove, IL 60515
United States
425-889-3400

Facility : # 1 St. Louis, MO

Sodium Bisulfite

Trade Designation	*Product Function*	*Max Use*
Sodium Bisulfite 38-40%	Dechlorinator & Antioxidant	46mg/L
Sodium Bisulfite Solution	Dechlorinator & Antioxidant	46mg/L

NOTE: Only products bearing the "NSF 60" designation are Certified by NSF International.

Facility : Distribution Center - Phoenix 27th Ave., AZ

Sodium Bisulfite[1]

Trade Designation	*Product Function*	*Max Use*
Sodium Bisulfite 25%	Dechlorination	46mg/L
Sodium Bisulfite 38%	Dechlorination	46mg/L
Sodium Bisulfite 39%	Dechlorination	46mg/L
Sodium Bisulfite 40%	Dechlorination	46mg/L
Sodium Bisulfite 41%	Dechlorination	46mg/L
Sodium Bisulfite 42%	Dechlorination	46mg/L

[1] This product contains sulfite.
Sulfites have been known to cause potentially lethal
allergic reactions in sulfite-sensitive individuals.
The maximum recommended allowable
residual sulfite level in the finished drinking water is 100 ppb (0.1 mg/L).

NOTE: Only products bearing the "NSF 60" designation are Certified by NSF International.

Facility : Distribution Center - Stockton, CA

Sodium Bisulfite

Trade Designation	*Product Function*	*Max Use*

SODIUM BISULFITE 25%[1]	Dechlorination	46mg/L

[1] This product contains sulfite.
Sulfites have been known to cause potentially lethal
allergic reactions in sulfite-sensitive-individuals.
The maximum recommended allowable
residual sulfite level in the finished drinking water is 100 ppb (0.1 mg/L)

NOTE: Only products bearing the "NSF 60" designation are Certified by NSF International.

Facility : Redwood City, CA

Sodium Bisulfite[2]

Trade Designation	*Product Function*	*Max Use*
Sodium Bisulfite 25%	Dechlorination	46mg/L
Sodium Bisulfite 42%	Dechlorination	46mg/L

[2] This product contains sulfite. Sulfites have been known to cause potentially lethal allergic reactions in sulfite-sensitive individuals. The maximum recommended allowable residual sulfite level in the finished drinking water is 100 ppb (0.1 mg/L).

NOTE: Only products bearing the "NSF 60" designation are Certified by NSF International.

Facility : Santa Fe Springs, CA

Sodium Bisulfite[3]

Trade Designation	*Product Function*	*Max Use*
Sodium Bisulfite 38-40%	Dechlorination	46mg/L
Sodium Bisulfite 25%	Dechlorination	46mg/L

[3] This product contains sulfite. Sulfites have been known to cause potentially lethal alergic reactions in sulfite-sensitive individuals. The maximum recommended allowable residual sulfite level in the finished drinking water is 100 ppb (0.1 mg/L).

NOTE: Only products bearing the "NSF 60" designation are Certified by NSF International.

Facility : Tampa, FL

Sodium Bisulfite

Trade Designation	*Product Function*	*Max Use*
Sodium Bisulfite	Dechlorinator & Antioxidant	46mg/L
Sodium Bisulfite 25%	Dechlorinator & Antioxidant	46mg/L
Sodium Bisulfite 38-40%	Dechlorinator & Antioxidant	46mg/L
Sodium Bisulfite Solution	Dechlorinator & Antioxidant	46mg/L
Sodium Bisulfite Solution 38-40%	Dechlorinator & Antioxidant	46mg/L

NOTE: Only products bearing the "NSF 60" designation are Certified by NSF International.

Facility : Distribution Center - Dallas, GA

Sodium Bisulfite[1]

Trade Designation	*Product Function*	*Max Use*
Sodium Bisulfite 38-40%	Dechlorinator & Antioxidant	46mg/L
Sodium Bisulfite Solution	Dechlorinator & Antioxidant	46mg/L

[1] This product contains sulfite.
Sulfites have been known to cause potentially lethal
allergic reactions in sulfite-sensitive individuals.
The maximum recommended allowable
residual sulfite level in the finished drinking water is 100 ppb (0.1 mg/L).

NOTE: Only products bearing the "NSF 60" designation are Certified by NSF International.

Facility : Distribution Center - South Sioux City, NE

Sodium Bisulfite

Trade Designation	*Product Function*	*Max Use*
SODIUM BISULFITE 38-40%[1]	Dechlorination	46mg/L

[1] This product contains sulfite.
Sulfites have been known to cause potentially lethal

allergic reactions in sulfite-sensitive individuals.
The maximum recommended allowable
residual sulfite level in the finished drinking water is 100 ppb (0.1 mg/L).

NOTE: Only products bearing the "NSF 60" designation are Certified by NSF International

Facility : Portland, OR

Sodium Bisulfite[1]

Trade Designation	*Product Function*	*Max Use*
Sodium Bisulfite	Dechlorinator & Antioxidant	46mg/L
Sodium Bisulfite 25%	Dechlorinator & Antioxidant	46mg/L
Sodium Bisulfite 38-40%	Dechlorinator & Antioxidant	46mg/L
Sodium Bisulfite Solution	Dechlorinator & Antioxidant	46mg/L
Sodium Bisulfite Solution 38-40%	Dechlorinator & Antioxidant	46mg/L

[1] This product contains sulfite.
Sulfites have been known to cause potentially lethal
allergic reactions in sulfite-sensitive individuals.
The maximum recommended allowable
residual sulfite level in the finished drinking water is 100 ppb (0.1 mg/L).

NOTE: Only products bearing the "NSF 60" designation are Certified by NSF International.

Facility : Distribution Center - Morrisville Steel Road, PA

Sodium Bisulfite[1]

Trade Designation	*Product Function*	*Max Use*
Sodium Bisulfite	Dechlorination	46mg/L

[1] This product contains sulfite.
Sulfites have been known to cause potentially lethal
allergic reactions in sulfite-sensitive individuals.
The maximum recommended allowable
residual sulfite level in the finished drinking water is 100 ppb (0.1 mg/L).

NOTE: Only products bearing the "NSF 60" designation are Certified by NSF International.

Facility : Middletown, PA

Sodium Bisulfite[1]

Trade Designation	*Product Function*	*Max Use*
Reducite	Dechlorinator & Antioxidant	46mg/L
Sodium Bisulfite	Dechlorinator & Antioxidant	46mg/L
Sodium Bisulfite Solution, 38-40%	Dechlorinator & Antioxidant	46mg/L

[1] This product contains sulfite.
Sulfites have been known to cause potentially lethal
allergic reactions in sulfite-sensitive individuals.
The maximum recommended allowable
residual sulfite level in the finished drinking water is 100 ppb (0.1 mg/L).

NOTE: Only products bearing the "NSF 60" designation are Certified by NSF International.

Facility : Corpus Christi, TX

Sodium Bisulfite[1]

Trade Designation	*Product Function*	*Max Use*
Sodium Bisulfite 20%	Dechlorination	46mg/L
Sodium Bisulfite 38-40%	Dechlorination	46mg/L
Sodium Bisulfite 38-42%	Dechlorination	46mg/L
Sodium Bisulfite 40%	Dechlorination	46mg/L
Sodium Bisulfite 40-43%	Dechlorination	46mg/L

[1] This product contains sulfite.
Sulfites have been known to cause potentially lethal
allergic reactions in sulfite-sensitive individuals.
The maximum recommended allowable
residual sulfite level in the finished drinking water is 100 ppb (0.1 mg/L).

Facility : Kent, WA

Sodium Bisulfite

Trade Designation	*Product Function*	*Max Use*
Sodium Bisulfite	Dechlorinator & Antioxidant	46mg/L
Sodium Bisulfite 38-40%	Dechlorinator & Antioxidant	46mg/L
Sodium Bisulfite Solution	Dechlorinator & Antioxidant	46mg/L
Sodium Bisulfite Solution 38-40%	Dechlorinator & Antioxidant	46mg/L

NOTE: Only products bearing the "NSF 60" designation are Certified by NSF International.

Facility : Dallas Bekay Street, TX

Sodium Bisulfite

Trade Designation	*Product Function*	*Max Use*
Sodium Bisulfite 40%[1]	Dechlorination	50mg/L

[1] This product contains sulfite.
Sulfites have been known to cause potentially lethal
allergic reactions in sulfite-sensitive individuals.
The maximum recommended allowable
residual sulfite level in the finished drinking water is 100 ppb (0.1 mg/L).

NOTE: Only products bearing the "NSF 60" designation are Certified by NSF International.

Facility : Houston, TX

Sodium Bisulfite

Trade Designation	*Product Function*	*Max Use*
Sodium Bisulfite 30%	Dechlorination	50mg/L
Sodium Bisulfite 38-40%	Dechlorination	46mg/L
Sodium Bisulfite 40%	Dechlorination	46mg/L

NOTE: Only products bearing the "NSF 60" designation are Certified by NSF International.

Facility : Phoenix 45th Avenue, AZ

Sodium Bisulfite[1]

Trade Designation	*Product Function*	*Max Use*
Sodium Bisulfite 25%	Dechlorination	46mg/L
Sodium Bisulfite 38%	Dechlorination	46mg/L
Sodium Bisulfite 39%	Dechlorination	46mg/L
Sodium Bisulfite 40%	Dechlorination	46mg/L
Sodium Bisulfite 41%	Dechlorination	46mg/L
Sodium Bisulfite 42%	Dechlorination	46mg/L

[1] This product contains sulfite.
Sulfites have been known to cause potentially lethal allergic reactions in sulfite-sensitive individuals.
The maximum recommended allowable residual sulfite level in the finished drinking water is 100 ppb (0.1 mg/L).

NOTE: Only products bearing the "NSF 60" designation are Certified by NSF International.

Number of matching Manufacturers is 3

Number of matching Products is 54

Processing time was 1 seconds

CERTIFICATE OF ANALYSIS

UnivarSolutions

Univar Solutions
525 Seaport Blvd.
Redwood City, CA 94063
PH. 650-363-1661
FAX 650-261-2020
www.univarsolutions.com

DATE: 10/10/2025

PRODUCT: Sodium Bisulfite 25%

PRODUCT GRADE: NSF

UNIVAR SOLUTIONS MATERIAL NUMBER: 16141680

UNIVAR SOLUTIONS BATCH NUMBER: 0840Q00605

TEST	RESULTS	SPECIFICATIONS
Assay, $NaHSO_3$	26.00%	24.0%-26.0%
Specific Gravity @ 20°C	1.226	1.150-1.250
pH	4.88	3.5-5.5
Visual	Pass	Clear/Free of Particles

Univar Solutions

CGagnier

Cherisa Gagnier

Lab Technician

NSF
Certified to NSF/ANSI/CAN 60

Note:

Please consult the SDS for further information.
Univar Solutions represents only that the Product shall meet the specifications herein. All transactions involving this Product are subject to Univar Solutions' standard Terms and Conditions, available at www.univarsolutions.com or upon request. Univar Solutions makes no additional representations or warranties, express or implied, as to the Product.

Univar Solutions

Safety Data Sheet
SODIUM BISULFITE 5-27%

Version 1.3 Revision Date: 04/07/2023

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : SODIUM BISULFITE 5-27%

Recommended use of the chemical and restrictions on use

Recommended use : Industrial chemical

Manufacturer or supplier's details

Company : Univar Solutions USA, Inc.
Address 3075 Highland Pkwy Suite 200
Downers Grove, IL 60515
United States of America (USA)

Emergency telephone number:
Transport North America: CHEMTREC (1-800-424-9300)
CHEMTREC INTERNATIONAL Tel # 703-527-3887

Additional Information: : Responsible Party: Product Compliance Department
E-mail: SDSNA@univarsolutions.com
SDS Requests: 1-855-429-2661
Website: www.univarsolutions.com

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Skin corrosion : Category 1C

Serious eye damage : Category 1

Respiratory sensitisation : Category 1

Skin sensitisation : Category 1

GHS label elements

Hazard pictograms :



Signal word : Danger

Hazard statements : H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Precautionary statements : **Prevention:**
P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
P264 Wash skin thoroughly after handling.
P272 Contaminated work clothing must not be allowed out of the workplace.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
P285 In case of inadequate ventilation wear respiratory protection.

Response:
P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.
P304 + P340 + P310 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/ doctor.
P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor.
P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.
P342 + P311 If experiencing respiratory symptoms: Call a POISON CENTER/ doctor.
P363 Wash contaminated clothing before reuse.
Storage:
P405 Store locked up.
Disposal:
P501 Dispose of contents/ container to an approved waste disposal plant.

Other hazards
None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Hazardous components

CAS-No.	Chemical name	Weight percent
7631-90-5	Sodium bisulfite	20 - 30

Actual concentration is withheld as a trade secret
Any Concentration shown as a range is due to batch variation.

SECTION 4. FIRST AID MEASURES

General advice : Move out of dangerous area.
Consult a physician.
Show this safety data sheet to the doctor in attendance.
Do not leave the victim unattended.

If inhaled : Call a physician or poison control centre immediately.
If unconscious, place in recovery position and seek medical advice.

In case of skin contact : Immediate medical treatment is necessary as untreated wounds from corrosion of the skin heal slowly and with difficulty.
If on skin, rinse well with water.
If on clothes, remove clothes.

In case of eye contact : Small amounts splashed into eyes can cause irreversible tissue damage and blindness.

		In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Continue rinsing eyes during transport to hospital. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.
If swallowed	:	Keep respiratory tract clear. Do not induce vomiting without medical advice. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. Take victim immediately to hospital.

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media	:	Dry chemical Carbon dioxide (CO2) Alcohol-resistant foam
Unsuitable extinguishing media	:	High volume water jet
Specific hazards during fire-fighting	:	Do not allow run-off from fire fighting to enter drains or water courses.
Hazardous combustion products	:	Carbon oxides Nitrogen oxides (NOx) sulfur oxides
Further information	:	Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
Special protective equipment for firefighters	:	Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	:	Use personal protective equipment. Ensure adequate ventilation.
Environmental precautions	:	Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities.
Methods and materials for containment and cleaning up	:	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal.

SECTION 7. HANDLING AND STORAGE

Advice on protection against fire and explosion	:	Normal measures for preventive fire protection.
Advice on safe handling	:	Avoid formation of aerosol. Do not breathe vapours/dust. Avoid exposure - obtain special instructions before use. Avoid contact with skin and eyes. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. Provide sufficient air exchange and/or exhaust in work rooms. To avoid spills during handling keep bottle on a metal tray. Dispose of rinse water in accordance with local and national regulations. Persons susceptible to skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.
Conditions for safe storage	:	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Observe label precautions. Electrical installations / working materials must comply with the technological safety standards.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

CAS-No.	Components	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
7631-90-5	Sodium bisulfite	TWA	5 mg/m3	ACGIH
		TWA	5 mg/m3	NIOSH REL
		PEL	5 mg/m3	CAL PEL

Personal protective equipment

Respiratory protection	:	General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators. Protection provided by air purifying respirators against exposure to any hazardous chemical is limited. Use a positive pressure air supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstance where air purifying respirators may not provide adequate protection.

Hand protection

Remarks	:	The suitability for a specific workplace should be discussed with the producers of the protective gloves.
Eye protection	:	Eye wash bottle with pure water Tightly fitting safety goggles

		Wear face-shield and protective suit for abnormal processing problems.
Skin and body protection	:	Impervious clothing Choose body protection according to the amount and concentration of the dangerous substance at the work place.
Hygiene measures	:	When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	liquid
Colour	:	yellow
Odour	:	pungent
Odour Threshold	:	No data available
pH	:	No data available
Freezing Point	:	No data available
Boiling Point	:	No data available
Flash point	:	does not flash
Evaporation rate	:	No data available
Flammability (solid, gas)	:	No data available
Upper explosion limit	:	No data available
Lower explosion limit	:	No data available
Vapour pressure	:	No data available
Relative vapour density	:	No data available
Relative density	:	No data available
Density	:	8.7500 lb/gal
Water solubility	:	No data available
Solubility in other solvents	:	No data available
Partition coefficient: n-octanol/water	:	No data available
Auto-ignition temperature	:	No data available
Thermal decomposition	:	No data available

SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	No dangerous reaction known under conditions of normal use.
Chemical stability	:	Stable under normal conditions.
Possibility of hazardous reactions	:	No decomposition if stored and applied as directed.
Conditions to avoid	:	Contact with incompatible substances can cause decomposition at or below SADT.
Incompatible materials	:	Barium Lead magnesium mercury or mercury alloys Potassium

Silver
Strong acids
Strong oxidizing agents
Aluminium

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Components:

7631-90-5:

Acute oral toxicity : LD50 (Rat): 1,700 mg/kg
Assessment: The component/mixture is moderately toxic after single ingestion.

Acute inhalation toxicity : Remarks: No data available

Acute dermal toxicity : LD50 (Rabbit): > 2,000 mg/kg

Skin corrosion/irritation

Components:

7631-90-5:
Species: Rabbit
Result: No skin irritation

Serious eye damage/eye irritation

Components:

7631-90-5:
Species: Rabbit
Result: No eye irritation

Germ cell mutagenicity

Components:

7631-90-5:

Genotoxicity in vitro : Test Type: Ames test
Species: Salmonella typhimurium
Result: negative

Genotoxicity in vivo : Test Type: In vivo micronucleus test
Species: Mouse
Result: negative

Germ cell mutagenicity - Assessment : Tests on bacterial or mammalian cell cultures did not show mutagenic effects.

Carcinogenicity

Components:

7631-90-5:

Carcinogenicity - Assessment	: Carcinogenicity classification not possible from current data.
IARC	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
OSHA	No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.
NTP	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

Reproductive toxicity

Components:

7631-90-5:

Teratogenicity - Assessment	: No evidence of adverse effects on sexual function and fertility, or on development, based on animal experiments.

Further information

Product:

Remarks: No data available

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Components:

7631-90-5:

Toxicity to fish	: LC50 (Leuciscus idus (Golden orfe)): > 100 mg/l Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates	: EC50 (Daphnia magna (Water flea)): 89 mg/l Exposure time: 48 h
Toxicity to algae	: EC50 (Desmodesmus subspicatus (green algae)): 43.8 mg/l Exposure time: 72 h
Acute aquatic toxicity- Assessment	: Harmful to aquatic life.
Chronic aquatic toxicity- Assessment	: Harmful to aquatic life with long lasting effects.

Persistence and degradability
No data available

Bioaccumulative potential
No data available

Mobility in soil
No data available

Other adverse effects

Product:

Ozone-Depletion Potential	:	Regulation: 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances Remarks: This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).
Additional ecological information	:	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Harmful to aquatic life with long lasting effects.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues	:	Dispose of in accordance with all applicable local, state and federal regulations. For assistance with your waste management needs - including disposal, recycling and waste stream reduction, contact Univar Solutions ChemCare: 1-800-637-7922
Contaminated packaging	:	Empty remaining contents. Dispose of as unused product. Do not re-use empty containers.

SECTION 14. TRANSPORT INFORMATION

DOT (Department of Transportation):
UN2693, Bisulfites, aqueous solutions, n.o.s., 8, III

IATA (International Air Transport Association):
UN2693, BISULPHITES, AQUEOUS SOLUTION, N.O.S., 8, III

IMDG (International Maritime Dangerous Goods):
UN2693, BISULPHITES, AQUEOUS SOLUTION, N.O.S., 8, III

SECTION 15. REGULATORY INFORMATION

EPCRA - Emergency Planning and Community Right-to-Know Act

CERCLA Reportable Quantity

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
Sodium bisulfite	7631-90-5	5000	17272

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards : Skin corrosion or irritation
Serious eye damage or eye irritation
Respiratory or skin sensitisation

SARA 302 : This material does not contain any components with a section 302 EHS TPQ.

SARA 313 : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Clean Air Act

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCMI Intermediate or Final VOC's (40 CFR 60.489).

Clean Water Act

The following Hazardous Substances are listed under the U.S. CleanWater Act, Section 311, Table 116.4A:

7631-90-5 Sodium bisulfite

The following Hazardous Chemicals are listed under the U.S. CleanWater Act, Section 311, Table 117.3:

7631-90-5 Sodium bisulfite

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

Massachusetts Right To Know

7631-90-5 Sodium bisulfite
7757-82-6 Sodium sulphate

Pennsylvania Right To Know

7732-18-5 Water
7631-90-5 Sodium bisulfite
7757-82-6 Sodium sulphate

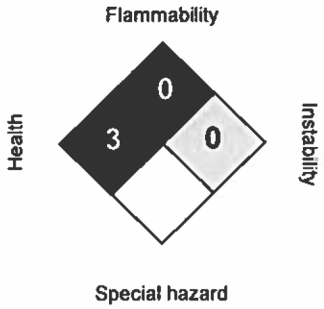
California Prop 65 : This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

The components of this product are reported in the following inventories:

TSCA	:	On TSCA Inventory
DSL	:	All components of this product are on the Canadian DSL
AICS	:	On the inventory, or in compliance with the inventory
ENCS	:	On the inventory, or in compliance with the inventory
KECI	:	On the inventory, or in compliance with the inventory
PICCS	:	On the inventory, or in compliance with the inventory
IECSC	:	On the inventory, or in compliance with the inventory

SECTION16. OTHER INFORMATION

NFPA:



HMIS III:

HEALTH	3
FLAMMABILITY	0
PHYSICAL HAZARD	0

0 = not significant, 1 =Slight,
2 = Moderate, 3 = High
4 =Extreme, * = Chronic

The information accumulated is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since data made become available subsequently to the date hereof, we do not assume any responsibility for the results of its use. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances. This SDS has been prepared by Univar Solutions Product Compliance Department (1-855-429-2661) SDSNA@univarsolutions.com.

Revision Date : 04/07/2023

Material number:
16194538, 16194537, 16160612, 16160585, 16152330, 16154999, 16151052, 16157084, 16141711, 16141680, 16142224, 16141001, 16142575

Key or legend to abbreviations and acronyms used in the safety data sheet			
ACGIH	American Conference of Government Industrial Hygienists	LD50	Lethal Dose 50%
AICS	Australia, Inventory of Chemical	LOAEL	Lowest Observed Adverse Effect

	Substances		Level
DSL	Canada, Domestic Substances List	NFPA	National Fire Protection Agency
NDSL	Canada, Non-Domestic Substances List	NIOSH	National Institute for Occupational Safety & Health
CNS	Central Nervous System	NTP	National Toxicology Program
CAS	Chemical Abstract Service	NZIoC	New Zealand Inventory of Chemicals
EC50	Effective Concentration	NOAEL	No Observable Adverse Effect Level
EC50	Effective Concentration 50%	NOEC	No Observed Effect Concentration
EGEST	EOSCA Generic Exposure Scenario Tool	OSHA	Occupational Safety & Health Administration
EOSCA	European Oilfield Specialty Chemicals Association	PEL	Permissible Exposure Limit
EINECS	European Inventory of Existing Chemical Substances	PICCS	Philippines Inventory of Commercial Chemical Substances
MAK	Germany Maximum Concentration Values	PRNT	Presumed Not Toxic
GHS	Globally Harmonized System	RCRA	Resource Conservation Recovery Act
>=	Greater Than or Equal To	STEL	Short-term Exposure Limit
IC50	Inhibition Concentration 50%	SARA	Superfund Amendments and Reauthorization Act.
IARC	International Agency for Research on Cancer	TLV	Threshold Limit Value
IECSC	Inventory of Existing Chemical Substances in China	TWA	Time Weighted Average
ENCS	Japan, Inventory of Existing and New Chemical Substances	TSCA	Toxic Substance Control Act
KECI	Korea, Existing Chemical Inventory	UVCB	Unknown or Variable Composition, Complex Reaction Products, and Biological Materials
<=	Less Than or Equal To	WHMIS	Workplace Hazardous Materials Information System
LC50	Lethal Concentration 50%		

SAP
SAC AG PRODUCTS

SACRAMENTO AG PRODUCTS, LLC.
8625 Unsworth Ave.
Sacramento, CA 95828
916-963-9244

CERTIFICATE OF ANALYSIS

SODIUM BISULFITE 38-40 SOLUTION

This is to certify that the listed shipment of Sodium Bisulfite 38-40 Solution was assayed with the following results:

Date:	January 21, 2026
Lot Number:	2601111002
Customer:	Univar Solutions USA
CO Number:	3000140953

Analysis	Specifications	Results
Appearance	Uniform, clear yellow solution	Pass
pH	5.0-5.4	5.0
Specific Gravity (25C)	1.31-1.35	1.33
Sodium Bisulfite (%)	38.0-40.0	38.9
Iron (ppm)	Report	< 3 ppm[1]

[1]Typical value reported, tested annually.

CLASSIFIED UL WATER QUALITY

Sodium Bisulfite 38-40
ANSI/NSF 60
FDPH
MUL: 50 mg/L

This certificate is issued electronically and is valid without signature.

Sacramento AG Products, LLC.

Univar Solutions

Safety Data Sheet
SODIUM BISULFITE 38-42%

Version 1.13 Revision Date: 03/27/2025

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : SODIUM BISULFITE 38-42%

Recommended use of the chemical and restrictions on use

Recommended use : Industrial chemical

Manufacturer or supplier's details

Company : Univar Solutions USA
Address 3075 Highland Pkwy Suite 200
Downers Grove, IL 60515
United States of America (USA)

Emergency telephone number:
Transport North America: CHEMTREC (1-800-424-9300)
CHEMTREC INTERNATIONAL Tel # 703-527-3887

Additional Information: : Responsible Party: Product Compliance Department
E-mail: SDSNA@univarsolutions.com
SDS Requests: 1-855-429-2661
Website: www.univarsolutions.com

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Acute toxicity (Oral) : Category 4

GHS label elements

Hazard pictograms :



Signal word : Warning

Hazard statements : H302 Harmful if swallowed.

Precautionary statements : **Prevention:**
P264 Wash skin thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
Response:
P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell. Rinse mouth.
Disposal:
P501 Dispose of contents/ container to an approved waste disposal plant.

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Hazardous components

CAS-No.	Chemical name	Weight percent
7631-90-5	Sodium bisulfite	30 - 50

Actual concentration is withheld as a trade secret
Any Concentration shown as a range is due to batch variation.

SECTION 4. FIRST AID MEASURES

General advice	:	Move out of dangerous area. Consult a physician. Show this safety data sheet to the doctor in attendance. Do not leave the victim unattended.
If inhaled	:	If unconscious, place in recovery position and seek medical advice. If symptoms persist, call a physician.
In case of skin contact	:	Immediate medical treatment is necessary as untreated wounds from corrosion of the skin heal slowly and with difficulty. If on skin, rinse well with water. If on clothes, remove clothes.
In case of eye contact	:	Small amounts splashed into eyes can cause irreversible tissue damage and blindness. In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Continue rinsing eyes during transport to hospital. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist. Take victim immediately to hospital.
If swallowed	:	Keep respiratory tract clear. Do not induce vomiting without medical advice. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. Take victim immediately to hospital.
Most important symptoms and effects, both acute and delayed	:	Harmful if swallowed.

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media	:	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable extinguishing media	:	High volume water jet
Specific hazards during firefighting	:	Do not allow run-off from fire fighting to enter drains or water courses.
Hazardous combustion products	:	Carbon oxides Nitrogen oxides (NOx) sulfur oxides

Further information	:	Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
Special protective equipment for firefighters	:	Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	:	Use personal protective equipment.
Environmental precautions	:	Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities.
Methods and materials for containment and cleaning up	:	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal.

SECTION 7. HANDLING AND STORAGE

Advice on protection against fire and explosion	:	Normal measures for preventive fire protection.
Advice on safe handling	:	Avoid formation of aerosol. Do not breathe vapours/dust. Avoid exposure - obtain special instructions before use. Avoid contact with skin and eyes. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. Provide sufficient air exchange and/or exhaust in work rooms. To avoid spills during handling keep bottle on a metal tray. Dispose of rinse water in accordance with local and national regulations.
Conditions for safe storage	:	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Observe label precautions. Electrical installations / working materials must comply with the technological safety standards.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

CAS-No.	Components	Value type (Form of	Control parameters / Permissible	Basis

		exposure)	concentration	
7631-90-5	Sodium bisulfite	TWA	5 mg/m3	ACGIH
		TWA	5 mg/m3	NIOSH REL
		PEL	5 mg/m3	CAL PEL

Personal protective equipment

Respiratory protection : General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators. Protection provided by air purifying respirators against exposure to any hazardous chemical is limited. Use a positive pressure air supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstance where air purifying respirators may not provide adequate protection.

Hand protection

Remarks : The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Eye protection : Eye wash bottle with pure water
Tightly fitting safety goggles
Wear face-shield and protective suit for abnormal processing problems.

Skin and body protection : Impervious clothing
Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Hygiene measures : When using do not eat or drink.
When using do not smoke.
Wash hands before breaks and at the end of workday.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: liquid
Colour	: clear, yellow
Odour	: Sulfur dioxide odor
Odour Threshold	: No data available
pH	: 3.0 - 5.0
Freezing Point (Melting point/freezing point)	: 5 - 7 °C (41 - 45 °F)
Boiling Point (Boiling point/boiling range)	: 104 °C (219 °F)
Flash point	: does not flash
Evaporation rate	: No data available
Flammability (solid, gas)	: No data available
Upper explosion limit	: No data available
Lower explosion limit	: No data available
Vapour pressure	: No data available
Relative vapour density	: No data available

Relative density	:	1.31 - 1.38 @ 20 - 25 °C (68 - 77 °F) Reference substance: (water = 1)
Density	:	No data available
Solubility(ies)		
Water solubility	:	soluble
Solubility in other solvents	:	No data available
Partition coefficient: n-octanol/water	:	No data available
Auto-ignition temperature	:	No data available
Thermal decomposition	:	No data available

SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	No dangerous reaction known under conditions of normal use.
Chemical stability	:	Stable under normal conditions.
Possibility of hazardous reactions	:	No decomposition if stored and applied as directed.
Conditions to avoid	:	excessive heat
Incompatible materials	:	Barium Lead magnesium mercury or mercury alloys Potassium Silver Strong acids Strong oxidizing agents Aluminium
Hazardous decomposition products	:	Sulphur oxides Carbon oxides

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Harmful if swallowed.

Product:

Acute oral toxicity	:	Assessment: The component/mixture is moderately toxic after single ingestion.
Acute dermal toxicity	:	Acute toxicity estimate: > 5,000 mg/kg

Components:

7631-90-5:

Acute oral toxicity	:	LD50 (Rat): 1,700 mg/kg Assessment: The component/mixture is moderately toxic after single ingestion.

Acute inhalation toxicity	:	Remarks: No data available
Acute dermal toxicity	:	LD50 (Rabbit): > 2,000 mg/kg

Skin corrosion/irritation

Not classified due to lack of data.

Components:

7631-90-5:
Species: Rabbit
Result: No skin irritation

Serious eye damage/eye irritation

Not classified due to lack of data.

Components:

7631-90-5:
Species: Rabbit
Result: No eye irritation

Respiratory or skin sensitisation

Skin sensitisation: Not classified due to lack of data.
Respiratory sensitisation: Not classified due to lack of data.

Germ cell mutagenicity

Not classified due to lack of data.

Components:

7631-90-5:

Genotoxicity in vitro	:	Test Type: Ames test Species: Salmonella typhimurium Result: negative
Genotoxicity in vivo	:	Test Type: In vivo micronucleus test Species: Mouse Result: negative
Germ cell mutagenicity - Assessment	:	Tests on bacterial or mammalian cell cultures did not show mutagenic effects.

Carcinogenicity

Not classified due to lack of data.

Components:

7631-90-5:

Carcinogenicity - Assessment	:	Carcinogenicity classification not possible from current data.
IARC		No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
OSHA		No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

NTP	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

Reproductive toxicity

Not classified due to lack of data.

Components:

7631-90-5:

Teratogenicity - Assessment	:	No evidence of adverse effects on sexual function and fertility, or on development, based on animal experiments.

STOT - single exposure

Not classified due to lack of data.

STOT - repeated exposure

Not classified due to lack of data.

Aspiration toxicity

Not classified due to lack of data.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Components:

7631-90-5:

Toxicity to fish	:	LC50 (Leuciscus idus (Golden orfe)): > 100 mg/l Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): 89 mg/l Exposure time: 48 h
Toxicity to algae	:	EC50 (Desmodesmus subspicatus (green algae)): 43.8 mg/l Exposure time: 72 h
Acute aquatic toxicity- Assessment	:	Harmful to aquatic life.
Chronic aquatic toxicity- Assessment	:	Harmful to aquatic life with long lasting effects.

Persistence and degradability

No data available

Bioaccumulative potential

No data available

Mobility in soil

No data available

Other adverse effects

Product:

Ozone-Depletion Potential	:	Regulation: 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances Remarks: This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).
Additional ecological information	:	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Harmful to aquatic life with long lasting effects.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues	:	Dispose of in accordance with all applicable local, state and federal regulations. For assistance with your waste management needs - including disposal, recycling and waste stream reduction, contact Univar Solutions ChemCare: 1-800-637-7922
Contaminated packaging	:	Empty remaining contents. Dispose of as unused product. Do not re-use empty containers.

SECTION 14. TRANSPORT INFORMATION

DOT (Department of Transportation):
UN2693, Bisulfites, aqueous solutions, n.o.s., (SODIUM BISULFITE), 8, III

IATA (International Air Transport Association):
UN2693, BISULPHITES, AQUEOUS SOLUTION, N.O.S., (SODIUM BISULFITE) , 8, III

IMDG (International Maritime Dangerous Goods):
UN2693, BISULPHITES, AQUEOUS SOLUTION, N.O.S., (SODIUM BISULFITE), 8, III

SECTION 15. REGULATORY INFORMATION

EPCRA - Emergency Planning and Community Right-to-Know Act

CERCLA Reportable Quantity

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
Sodium bisulfite	7631-90-5	5000	11363

SARA 304 Extremely Hazardous Substances Reportable Quantity
This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards	:	Corrosive to metals Acute toxicity (any route of exposure) Skin corrosion or irritation Serious eye damage or eye irritation Specific target organ toxicity (single or repeated exposure)
SARA 302	:	This material does not contain any components with a section 302 EHS TPQ.
SARA 313	:	This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Clean Air Act

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCMI Intermediate or Final VOC's (40 CFR 60.489).

Clean Water Act

The following Hazardous Substances are listed under the U.S. CleanWater Act, Section 311, Table 116.4A:

7631-90-5 Sodium bisulfite

The following Hazardous Chemicals are listed under the U.S. CleanWater Act, Section 311, Table 117.3:

7631-90-5 Sodium bisulfite

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

Massachusetts Right To Know

7631-90-5	Sodium bisulfite
7757-82-6	Sodium sulphate

Pennsylvania Right To Know

7732-18-5	Water
7631-90-5	Sodium bisulfite
7757-82-6	Sodium sulphate

California Prop 65	:	This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

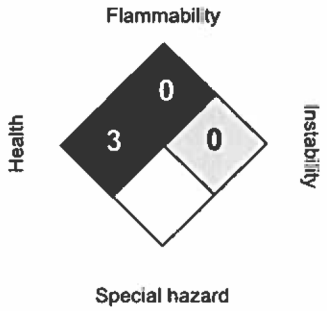
The components of this product are reported in the following inventories:

TSCA	:	All substances listed as active on the TSCA inventory
AIIC	:	not determined
DSL	:	All components of this product are on the Canadian DSL
ENCS	:	not determined
NZIoC	:	not determined
KECI	:	not determined

PICCS	:	not determined
IECSC	:	not determined

SECTION16. OTHER INFORMATION

NFPA:



HMIS III:

HEALTH	3/
FLAMMABILITY	0
PHYSICAL HAZARD	4

0 = not significant, 1 =Slight,
2 = Moderate, 3 = High
4 =Extreme, * = Chronic

The information accumulated is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since data made become available subsequently to the date hereof, we do not assume any responsibility for the results of its use. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances. This SDS has been prepared by Univar Solutions Product Compliance Department (1-855-429-2661) SDSNA@univarsolutions.com.

Revision Date	:	03/27/2025
Legacy SDS:	:	100000039158

Material number:
16224579, 16224093, 16223690, 16221630, 16221629, 16221628, 16221627, 16221626, 16220023, 16217719, 16214863, 16214822, 16214643, 16214642, 16212075, 16212073, 16209740, 16209665, 16188835, 16182885, 16169588, 16169431, 16169874, 16174725, 16168692, 16169503, 16168771, 16178394, 16177763, 16176488, 16180412, 16173527, 16171247, 16152616, 16161345, 16158625, 16160028, 16153923, 16150080, 16155598, 16153889, 16141391, 16142787, 16153532, 16142748, 16135286, 16138245, 16138094, 16160213, 16158189, 16144938, 16142598, 16141906, 16141752, 16141724, 16141663, 16141298, 16140179, 16136870, 16135289, 506934, 71274, 16179260, 16173000, 16156115, 16153683, 16153705, 16153659, 16158373, 16154308, 16154408, 16153858, 16153751, 16156803, 16156802, 16156929, 16161388, 16154559, 16156451, 16154337, 16163644, 16140307, 16143734, 16153373, 16157287, 16153082, 16152814, 16154338, 16140952

Key or legend to abbreviations and acronyms used in the safety data sheet

ACGIH	American Conference of Government Industrial Hygienists	LD50	Lethal Dose 50%
AIIC	Australian Inventory of Industrial Chemicals	LOAEL	Lowest Observed Adverse Effect Level
DSL	Canada, Domestic Substances List	NFPA	National Fire Protection Agency
NDSL	Canada, Non-Domestic Substances List	NIOSH	National Institute for Occupational Safety & Health
CNS	Central Nervous System	NTP	National Toxicology Program
CAS	Chemical Abstract Service	NZIoC	New Zealand Inventory of Chemicals
EC50	Effective Concentration	NOAEL	No Observable Adverse Effect Level
EC50	Effective Concentration 50%	NOEC	No Observed Effect Concentration
EGEST	EOSCA Generic Exposure Scenario Tool	OSHA	Occupational Safety & Health Administration
EOSCA	European Oilfield Specialty Chemicals Association	PEL	Permissible Exposure Limit
EINECS	European Inventory of Existing Chemical Substances	PICCS	Philippines Inventory of Commercial Chemical Substances
MAK	Germany Maximum Concentration Values	PRNT	Presumed Not Toxic
GHS	Globally Harmonized System	RCRA	Resource Conservation Recovery Act
>=	Greater Than or Equal To	STEL	Short-term Exposure Limit
IC50	Inhibition Concentration 50%	SARA	Superfund Amendments and Reauthorization Act.
IARC	International Agency for Research on Cancer	TLV	Threshold Limit Value
IECSC	Inventory of Existing Chemical Substances in China	TWA	Time Weighted Average
ENCS	Japan, Inventory of Existing and New Chemical Substances	TSCA	Toxic Substance Control Act
KECI	Korea, Existing Chemical Inventory	UVCB	Unknown or Variable Composition, Complex Reaction Products, and Biological Materials
<=	Less Than or Equal To	WHMIS	Workplace Hazardous Materials Information System
LC50	Lethal Concentration 50%		

AFFIDAVIT RE DELIVERY REQUIREMENTS

STATE OF WASHINGTON)
)
COUNTY OF KING)

I, Jennifer Perras, the Sr. Municipal Bid Specialist for Univar Solutions USA LLC. ("Univar") being duly sworn, states that I have read RFP#11-2026 and knows its contents and hereby attests that if Univar utilizes the services of a third party hauling company for some or all of its deliveries, Univar will be responsible for ensuring that said hauler can and will deliver the product to each location shown on the bid documents.

Chemical Transfer Co.-3105 El Dorado St., Stockton, CA 95206	#209-466-3554
Bulk Transportation- 415 S Lemon Ave., Walnut, CA 91789	#909-594-2855
Quality Carriers- 2750 Goodrick Ave, Richmond, CA	#510-232-8313
RJ's Transportation-11949 Hawthorne Ave, CA 92345	#909-732-9144
Mederios Tank Lines-3600 Sisk Rf, Suite 4A, Modesto, CA 95356	#209-620-0593
Watson Brothers-13918 Jack Ton Rd., Manteca, CA 95336	#209-986-1588

By _____
Jennifer M. Perras

SUBSCRIBED AND SWORN to before me this 13th day of February 2026, Jennifer M. Perras.

_____
Notary Public for Washington, County of King
My Commission Expires: 10-10-26

STACY L ZIEGLER
NOTARY PUBLIC
STATE OF WASHINGTON
COMM. NO. 205701
MY COMM. EXP. 10-10-26

UnivarSolutions

Univar Solutions USA Inc.
Delivery &Supply Assurance

In the event of an emergency situation such as a hurricane or other natural disaster, Univar's municipal water and wastewater accounts are given priority service over industrial customers.

Univar USA, Inc., has 124 locations across the US with thousands of trucks, 39 million gallons of bulk storage and over 10 million square feet of warehouse storage.

Our trucks are equipped with power and do not need electricity to deliver.

Our drivers are trained each year in spill control and containment, hazardous communication and modules of the Hazardous Waste Operations and Emergency Response Standard (HAZWOPER).

BAY AREA CHEMICAL CONSORTIUM

REQUEST FOR BIDS
BID NO. 11-2026

FOR SUPPLY AND DELIVERY OF SODIUM BISULFITE

BID DUE DATE: 4:00 P.M. PT, Thursday, February 19, 2026
BID OPENING DATE: 4:00 P.M. PT, Thursday, February 19, 2026

Coordinating Agency:
Bay Area Clean Water Agencies

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NOTICE INVITING SEALED BIDS
FOR SUPPLY AND DELIVERY OF SODIUM BISULFITE
BAY AREA CHEMICAL CONSORTIUM (BACC)
BID NO. 11-2026

The Bay Area Chemical Consortium (BACC), a cooperative group of public agencies, is seeking competitive sealed bids for the supply and delivery of SODIUM BISULFITE. All sealed bids to be considered for this solicitation must be received via our electronic bid platform https://bacwa.org/about-bacc/ by **4:00 P.M. PT, Thursday, February 19, 2026.** Bids received after said date and time will not be considered under any circumstances. Bids submitted by mail or by facsimile will not be accepted. BACC and its member agencies reserves the right to reject any and all bids and to waive informalities and immaterial irregularities or technical defects in the bids received.

For additional information or any questions concerning this bid, use the public Q&A Forum in our electronic bid system.

SECTION I

BAY AREA CHEMICAL CONSORTIUM
GENERAL
FOR BID NO. 11-2026
SODIUM BISULFITE

BAY AREA CHEMICAL CONSORTIUM
REQUEST FOR BIDS
FOR SUPPLY AND DELIVERY OF SODIUM BISULFITE
BID NO. 11-2026

Sealed bids will only be received electronically via our electronic bid platform https://bacwa.org/about-bacc/ no later than **4:00 P.M. PT, Thursday February 19, 2026**.

1. GENERAL PROVISIONS

The Bay Area Chemical Consortium (BACC) is a cooperative group of public agencies each individually established under the laws of the State of California. For this particular bid solicitation, the participating member agencies include those listed in Section III-1, Estimated Annual Quantities. These participating BACC agencies, acting collectively through their authorized agents, are seeking competitive sealed bids for the supply and delivery of SODIUM BISULFITE.

Sealed bids will only be received electronically via our electronic bid platform https://bacwa.org/about-bacc/ no later than 4:00 P.M. PT, Thursday February 19, 2026. Bids received after said date and time will not be considered under any circumstances.

BACC and its member agencies reserves the right to reject any and all bids and to waive informalities and immaterial irregularities or technical defects in the bids received.

If you have any questions regarding this bid, please contact the BACC Coordinators via the electronic bid platform https://bacwa.org/about-bacc/ Q&A forum. Preliminary bid results will be available via our electronic bid platform shortly after the opening date and time.

2. INSTRUCTIONS TO BIDDERS

To receive consideration, bids must be made in accordance with the following instructions:

2.1 Bid Contract Documents

Bids must be submitted only using the forms provided in Section IV, Bid Contract Documents that includes the following: **Bid Form**, **Standard Agreement**, and **Non-Collusion Affidavit**, collectively, the bid contract documents. Bidder must submit bids price per unit of measure as specified via the electronic bid platform https://bacwa.org/about-bacc/. Do not submit the Worksheet. Bid prices submitted on Worksheet will NOT be accepted. All items in the bid contract documents must be filled out completely, signed and dated. The bid contract documents may be rejected if they show any omissions, alterations of form, the addition

of information not requested, a conditional bid, or irregularities of any kind. A complete bid submittal must include all of the following components of the bid contract documents:

- A completed and signed **Bid Form**, including all the attachments requested;
- A fully executed **Standard Agreement**, including references and acknowledgement of receiving any and all addenda, with any deviations duly noted;
- A fully executed **Non-collusion Affidavit**.
- The information required by Section 2.21 as referenced in the Bid Form.
- Name and address of any Third Party Hauler as required by Section 2.5 and the Bid Form, as well as the affidavit referenced in the Bid Form.

Bidder must submit bids price per unit of measure as specified via the electronic bid platform https://bacwa.org/about-bacc/ (Line Items section).

2.2 Estimated Quantity

The quantities indicated are estimates of anticipated usage for a 12-month period and are given for informational purposes only. Nothing in these estimated annual quantities must be construed as obligating any participating BACC agency to purchase specific quantities, as these quantities may vary depending on actual operating conditions and demands during the contract term. All participating BACC agencies reserve the right to purchase any volume of the chemical listed, at the contract price, regardless of stated estimates of quantities. No price adjustments will be allowed as a result of an increase or a decrease in the quantity purchased. For this particular bid solicitation, the estimated annual chemical quantity of each participating member agencies is listed in Section III-1, Estimated Annual Quantities.

2.3 Delivery Locations

The participating BACC agencies are grouped according to their location by relative geographic region. The bidder must quote uniform bid prices for deliveries made to each of the distinct geographic regions. For this particular bid solicitation, the distinct geographic regions for each agency are defined in Section III-1, Estimated Annual Quantities, as well as in Section III-2, Delivery Details.

2.4 Bid Pricing

All bids submitted must include a base unit price, FOB destination, for the chemical for each geographic region per paragraph 2.3 Delivery Locations. Base unit price should NOT include tariffs. Bidders shall provide bid prices via the electronic bid platform https://bacwa.org/about-bacc/ including all costs associated with providing and delivering the chemical to the agency's facility, including materials, labor, equipment, transportation, insurance, overhead, profit, and all applicable taxes except sales tax in effect at the time of delivery. Bids qualified by additional or conditional charges such CPI, escalators, fuel surcharges, or transportation charges between the supplier and the final delivery points will not be allowed.

BACC agencies that use a chemical for treating water for resale may be exempt from paying sales tax, and it will be the responsibility of each BACC agency to notify the successful bidder if some or all of their purchases will be exempt from sales tax per paragraph 3.6 Taxes.

Bid prices must be based on bulk deliveries amount as specified via the electronic bid platform https://bacwa.org/about-bacc/ **.** Bids that do not include unit prices for bulk deliveries to each geographic region specified on the electronic bid platform will be considered irregular and, at the option of BACC and the participating BACC agencies, may be eliminated from further consideration. For bulk deliveries of less than this specified amount, the bidder may, at their option, assess additional charges for "short loads" unless specific requirements for smaller deliveries are described in paragraph 3.7 Delivery Requirements. Any additional "short load" charges must be shown by the bidder as a specific deviation on the bid contract documents. Bidders and/or third party haulers will not be allowed to refuse to make "short load" deliveries.

Any optional item will be shown as a separate line item in the electronic bid platform https://bacwa.org/about-bacc/ and bidders may, at their option, submit unit prices for the optional item. Bids that do not include unit prices for optional item will not be considered irregular and therefore such bids will not be rejected for that reason.

If participating BACC agencies require non-bulk deliveries in containers such as buckets, barrels, or totes, it will be shown as a separate line item in the electronic bid platform https://bacwa.org/about-bacc/ . Bidders may, at their option, submit unit prices for deliveries in buckets, barrels, or totes. Bids that do not include unit prices for buckets, barrels, or totes will not be considered irregular and therefore such bids will not be rejected for that reason. If none of the participating BACC agencies require non-bulk deliveries in containers such as buckets, barrels, or totes, the electronic bid platform https://bacwa.org/about-bacc/ will not include spaces to enter bid prices for such non-bulk deliveries in containers such as buckets, barrels, or totes, however, if a participating BACC agency later decides that they need deliveries in containers, bidders may, at their option, negotiate with the BACC agency to determine a price for deliveries in containers such as buckets, barrels, or totes.

2.5 Bidder Qualifications

A qualified bidder is one determined by BACC and the participating BACC agencies to meet standards of business competence, reputation, financial ability, and product quality. A responsive bidder is a firm/person who has submitted a bid that conforms in all material respects to the terms and conditions, the specifications of the chemical, and any other requirement of the bid instructions. A responsible bidder is a firm/person who has the capability in all aspects to perform full contract requirements, and who has the integrity and reliability that will assure good faith and specific performance. Bidders that intend to utilize a third-party hauling company for completing some or all of their deliveries must indicate the name and contact information of the third-party hauling company on the Bid Form. Before submitting a bid, the bidder must carefully examine and read all parts of the bid contract documents and be fully informed as to all existing conditions and limitations. It should be noted that, upon selection and approval of the successful bidder, the entire contents of the bid contract documents will become part of the full contract

between the participating BACC agency and successful bidder (see paragraph 3.5 Purchase Orders / Contracts).

2.6 Authorized Signatory of Bid Contract Documents

The person signing the submitted bid must be fully authorized to represent and legally bind the bidding company to the terms and conditions described herein. A corporate officer must sign bids by corporations in the corporate name. The State of incorporation must be written in below the corporate name. Bids by partnerships must be signed in the partnership's name and signed by a partner with his/her title shown.

2.7 References

The bidder must submit with the bid a list of a minimum of three references that have purchased similar chemicals and services from the bidder. The bidder must provide the company or agency name, contact name, and telephone number for each reference. Whenever possible, bidders should provide references for customers from the same geographic regions as the participating BACC agencies. Bidders may provide references from BACC agencies. These references must be shown on the Standard Agreement contained herein.

2.8 Bid Submittal

Electronic bids will only be received via the electronic bid platform https://bacwa.org/about-bacc/ **by no later than 4:00 P.M. PT, Thursday, February 19, 2026**. Electronic bids shall contain all required attachments and information. Bidders must submit bids price per unit of measure as specified via the electronic bid platform https://bacwa.org/about-bacc/ (Line Item section). Bidders are cautioned that failure to comply may result in non-acceptance of the bid. Bids received after said date and time will not be considered under any circumstances. BACC will not be responsible for any delays or transmission errors. Bidder accepts all risks of late delivery of electronic bids. It is the bidder's responsibility to ensure that bid submitted is received by the electronic bid platform https://bacwa.org/about-bacc/ prior to scheduled bid opening. Any attachment will remain sealed and will not be opened until the appointed bid opening date and time. Bidders not receiving confirmation receipt should contact the electronic bid platform vendor https://bacwa.org/about-bacc/ to make sure that their electronic submittal has gone through.

2.9 Modification, Addenda, and Interpretations

Any explanation desired by the bidders regarding the meaning or interpretation of this particular bid solicitation including the bid contract documents must be requested via the electronic bid platform Q&A Forum at least five (5) business days prior to the time set for the bid opening. Any and all such interpretations or modifications must be in the form of a written request to the BACC Coordinator via the electronic bid platform Q&A Forum. All changes to this particular bid solicitation document including the bid contract documents initiated by the BACC Coordinator will be through written addenda and furnished to all bidders via the electronic bid platform. Addendum will be issued no later than 72 hours before bid opening. Any written addendum issued 72 hours before the date and time of the bid opening will become a part of the bid contract documents and must be acknowledged on the Standard Agreement form that

each bidder submits. Failure to acknowledge any and all the addendum(s) on the Standard Agreement form may be cause for rejection of the bid.

2.10 Modification of Bids

A bidder may modify their bid via the electronic bid platform prior to the date and time of the bid opening. Modifications of any bid prices, terms and conditions must be electronically submitted via the electronic bid platform prior to the time of the bid opening. It shall be the responsibility of the respective bidder to determine if their written modification was received in time by electronic bid platform. BACC reserves the right to accept or reject any proposed modifications of the bid terms and conditions.

2.11 Withdrawal of Bids

Any bid may be withdrawn any time prior to the stated bid opening date and time (closing time) only via the electronic bid platform. The withdrawal request must be executed by the bidder or a duly authorized representative. The withdrawal of the bid does not prejudice the right of the bidder to file a new bid prior to the bid closing time. No bids may be withdrawn after the bid opening date and time.

2.12 Proposed Deviations from the Specifications by the Bidder

Any deviation from the specifications described herein or in a written addendum that is proposed by a bidder must be noted in detail on the Standard Agreement form, and a copy of the proposed specification must be attached to the Standard Agreement form at the time of submission. The absence of a proposed change in the specifications will hold the bidder strictly accountable to the specifications as described herein. If proposed deviations from the specifications are submitted, the bidder's name should be clearly shown on each document. Each BACC agency will be responsible for individually accepting or rejecting any proposed deviations from the described specifications.

2.13 Competency of Bidders

Before any contract is awarded, the bidder may be required to furnish a complete statement of financial ability and experience in performing the proposed services. In accordance with the provisions of the California Business and Professions Code and other regulations, the bidder must have and maintain current any and all necessary licenses or certificates.

2.14 Rejection of Bids

The BACC and/or its individual agencies reserves the right to reject any and all bids and reserves the right to waive a bid deficiency or reject a bid for any reason, including but not limited to the following: informalities, nonconforming, non-responsive or conditional bids, bids showing any alterations of form or erasures or irregularities of any kind, additional information not requested, incomplete bids, or bids not conforming with the instructions in any way. Bidders that plan to utilize a third-party hauling company that refused to deliver to one or more of the participating agencies in the past three (3) years will be rejected as non-responsive.

2.15 Opening Bids

A preliminary bid results showing apparent lowest bid will be available on the electronic bid platform shortly after the bid opening date / time.

2.16 Method of Award

Bids may be awarded to the lowest responsive and responsible bidder meeting the specifications for bulk loads for the chemical. The lowest responsive bidder will be determined by multiplying the estimated annual quantity for each participating BACC agency by the bid price for their region and adding up the aggregate cost to all of the participating agencies in the regions. The single bid that results in the lowest overall cost to the participating agencies as a group will be determined by BACC to be the low bid, assuming the bid is determined by BACC to be complete and in compliance with the bid requirements. BACC has the right to delete terms or options from the bid contract documents and reserves the right to reject any and all bids and to waive irregularities in said bids. The following is a non-exhaustive list of criteria that BACC may, in its sole discretion, consider in award of the bid:

a. Unit cost of the chemical
b. Product specifications
c. Warranties or standards of quality
d. Capabilities to deliver product throughout the contract term
e. Bidder's reputation, competency, and previous customer service record
f. Third party hauling company's reputation, competency, and previous customer service record (if applicable)
g. Fully executed non-collusion affidavit

2.17 Disqualification of Duplicate or Collusive Bidders

More than one bid proposal from an individual, a firm or partnership, a corporation or an association under the same or different names will not be considered. Reasonable grounds for believing that any bidder is interested in more than one bid for the bid contemplated will cause rejection of all bids in which such bidder is interested. If there is reason for believing that collusion exists among the bidders, any and all bids may be rejected. Bidders must execute and submit with their bid the Non-Collusion Affidavit included in the bid document.

2.18 Identical Bids

In the case of tied or identical bids corresponding to the proposed unit costs, BACC reserves the right to award the bid based on additional criteria. If a tied bid is not rejected for any reason as described in paragraph 2.16 Method of Award, then any additional costs described in the "Specific Deviations" such as short load adders, will be used to determine the lowest responsive bidder. If considering additional costs as described in the "Specific Deviations" still doesn't produce a winning bidder (i.e. if the tied bidders quote identical short load adder prices), then any exceptions or conditions described in the "Specific Deviations" will be considered in an effort to determine the lowest responsive bidder. If the latter still fails to produce a winning bidder, then BACC will draw lots by placing the names of the tied bidders in a hat

and drawing a name. If drawing lots is deemed necessary, BACC will schedule a time to draw lots and the tied bidders will be invited to attend and witness the drawing.

2.19 Material Warranty

Before the bid is awarded and, if applicable, the bidder may be required to furnish a complete statement of the origin, composition and manufacture of any or all chemicals to be supplied, together with samples. The samples may be subjected to tests to determine their quality and fitness for the intended uses.

2.20 Bid Summary

Bid proposals will be summarized and reviewed with the BACC agencies following the bid opening. Bid summaries or tabulations will also be provided to the responsive bidders within ten (10) business days following the bid opening. After a careful review of the bids by each of the participating BACC agencies, bids may be awarded based on the criteria outlined in paragraph 2.16 Method of Award.

2.21 Manufacturer's Information

Bidders must submit with their bid contract documents the following:

- **a.** In accordance with Section 64590, Title 22 of the California Code of Regulations (CCR), no chemical or product shall be added to drinking water by a water supplier unless the chemical or product is certified as meeting the specifications of NSF International/American National Standard Institute (NSF/ANSI) 60-2005 (Drinking Water Treatment Chemicals—Health Effects). Certification shall be from an ANSI accredited product certification organization whose certification system includes the criteria for ensuring the chemical or product meets NSF/ANSI Standard 60 per Section 64590 of the CCR. Bidders must submit an affidavit of compliance from the ANSI accredited product certification organization. Bidders must include a statement by the chemical manufacturer, signed by an authorized representative on letterhead stationery, attesting to the affidavit's validity. In lieu of submitting an affidavit of compliance and a letter attesting to the affidavit's validity, a current printout from the ANSI accredited product certification organization is acceptable.
- **b.** A representative analysis of the chemical to be supplied, as prepared by a reputable outside laboratory or bidder's in-house laboratory if ISO certified.
- **c.** Name and address of the chemical manufacturer.
- **d.** Product Bulletin and Typical Properties.
- **e.** Safety Data Sheet (SDS).

3. SPECIAL INSTRUCTIONS TO BIDDERS

3.1 Chemical Requirements

The chemical to be provided under the terms and conditions of this bid must meet the bid specifications described in the pages that follow.

3.2 Safety Requirements

The bidder, their employees, subcontractors, and/or agents must conform to the rules and regulations pertaining to safety established by the California Division of Industrial Safety, and they must adhere to all State, Federal and Occupational Safety and Health Act (OSHA) safety standards, including compliance with any applicable State or local health order related to COVID-19 while they are on the premises of any BACC agency. Furnished equipment, materials, and/or services must comply with all OSHA standards and regulations, and all applicable governmental laws and orders. The BACC agencies reserve the right to individually refuse any shipment, at their sole discretion, which cannot be unloaded using safe and proper techniques. Any such refusal must result in the return of the chemical at the successful bidder's sole expense. If requested by a participating BACC agency, the successful bidder and/or the firm providing transportation of the chemical shall submit to a safety briefing at the BACC agency's site before commencing deliveries to the respective BACC agency. The successful bidder and/or the firm providing transportation of the chemical are required to comply with the site specific safety requirements of each participating BACC agency. Bidders should be aware that some BACC agencies do not allow smoking on site. Site safety requirements will be available for review during the bid period upon request to the BACC Coordinator. In addition, if requested by a participating BACC agency, the successful bidder and/or the firm providing transportation of the chemical may be asked to review site safety materials and provide a signed acknowledgement of their receipt of the site safety materials.

3.3 Spillage

The successful bidder must be prepared to provide safety training on the safe handling and use of the chemical and emergency procedures in the event of a leak or spill. Should a chemical spill or leak result due to negligence, faulty equipment, or inferior packaging on the part of the bidder or their agents, the bidder and their agents must be responsible for cleaning the spill or leakage and for bearing any cost incurred due to spill or leakage clean-up. It must be the successful bidder's responsibility to effect immediate containment, clean-up, disposal, and restoration activities in accordance with the individual facility's requirements and any and all applicable laws and regulations. All material associated with such clean-up operations must be hauled away and lawfully disposed of at no charge to the agency where the delivery is being made. The property of the agency where the delivery is being made must not be used for such disposal. If the spill is NOT cleaned up, the agency will hire a certified hazardous material handling company to clean up the spill, and the costs incurred, including any fines or penalties which may be imposed by regulating authorities, will be charged to the bidder or deducted from amounts owed. Chemicals must stay in the possession of the bidder and must not be unloaded until accepted by the participating BACC agency. All chemicals must be delivered in accordance with Department of Transportation regulations.

3.4 Chemical Orders

All orders placed throughout the contract period, as defined in paragraph 4.11 Term of Contract, will be initiated separately by each participating BACC agency, and each BACC agency will be responsible for the coordination of all aspects of those orders with the successful bidder. Inquiries in reference to individual orders during the contract period must be directed to the appropriate BACC agency.

3.5 Purchase Orders / Contracts

Individual purchase orders, purchase agreements, and / or contracts will be issued to the successful bidder by each participating BACC agency, and all chemical sales must be invoiced separately to the respective BACC agency. Each BACC agency may require additional contract requirements specific to the agency which are not included in this bid document and bidders need to contact the agencies for specific details and perform due diligence prior to submitting a bid. The contracted unit cost of the chemical is the awarded bid price. The successful bidder may seek a price increase for any nontrivial change requested by the participating BACC agency in the terms and conditions of the participating BACC agency's purchase order, purchase agreements, and / or contracts. The successful bidder may not change the price throughout the term of the contract unless by mutual written agreement between BACC agency and successful bidder per Section 4.4 Modification of Contract.

3.6 Taxes

Pursuant to the Sales and Use Tax Law, water treatment facilities are entitled to submit *Resale Certificates* to the California State Board of Equalization which exempt that utility from paying sales tax on any chemical purchased for the expressed use of producing a consumable water product. The participating BACC agencies that provide potable and/or recycled water to customers will be responsible for providing the successful bidder with these certificates or letter documenting their determination if the chemical they seek to purchase is exempt from sales tax. BACC agencies that do not notify the successful bidder that their agency is exempt from paying sales tax shall be invoiced with sales tax shown as a separate, itemized cost on the invoice. Chemicals purchased solely for the use in wastewater treatment and disposal facilities are subject to sales tax.

3.7 Delivery Requirements

Bidders are responsible for reviewing each of the listed delivery locations or geographic regions for each participating BACC agency and ensuring that their product can be delivered to each location prior to submitting a bid. Bidders that intend to utilize the services of a third party hauling company for some or all of their deliveries are responsible for ensuring that the hauler they have selected can and will deliver their product to each location listed in Section III-2, Delivery Details, and for submitting an affidavit pertaining to assurance with their bid. Failure to provide this assurance and submit an affidavit may be cause for rejecting their bid. Delivery bills of lading must be provided for each shipment. All bulk shipments must include a weight ticket from a certified weigh station in addition to a shipping manifest. Delivery times and dates must be coordinated between the successful bidder and each participating BACC agency on a schedule that meets the needs of the BACC agency, but at no time can a delivery occur more than seven (7) days after the order is placed unless the respective BACC agency requests a later delivery. No delivery can be made when a BACC agency representative is not on site. The successful bidder must notify the BACC agency of any anticipated late deliveries at least 24 hours in advance of the scheduled delivery time and date, unless delivery delays are the result of in-route transportation delays, then notification must be provided as soon as possible to inform the BACC agency of the anticipated delivery date and time. Persistently late or cancelled deliveries (defined as three or more over the contract period) may be used as a basis for contract termination. Failure to provide notice of late delivery as required by this section may also be a basis for contract termination. Any deliveries not meeting chemical quality, regulatory,

safety, or delivery requirements will be returned to the successful bidder at no cost to the BACC agency, and must be re-delivered by the bidder within 48 hours of the unacceptable delivery.

3.8 Force Majeure

Any bidder that anticipates a workforce interruption, including due to COVID-19 restrictions, or a production shutdown that could affect delivery of the chemical must fax or e-mail notifications to all participating BACC agencies to notify them of the potential interruption in deliveries. A telephone call must also be made to each BACC agency as a follow-up notification.

3.9 Emergency Supply Plan Description

BACC requests that bidders provide a summary of plans addressing their ability to be able to continue to supply product in the event of an unexpected disaster or urgent emergency event.

3.10 Safety Data Sheet (SDS)

Bidders must submit a Safety Data Sheet (SDS) for the product offered with the bid. The successful bidder must provide a new SDS for the chemical with the first delivery or if the SDS is modified during the contract term.

3.11 Payments

Payments for all chemicals will be made individually by each participating BACC agency thirty (30) days after receipt of a complete and accurate invoice. BACC itself does not have any legal authority to conduct business and therefore cannot be held responsible for the financial arrangements made between each individual BACC agency and the successful bidder. Cash discounts for early remittance of payment must be stated on the invoice, if applicable. The bidder is responsible for submitting accurate invoices to each BACC agency. The BACC agencies are not responsible for late payments resulting from the submission of inaccurate invoices. If bidder continues to submit inaccurate invoices after being put on notice by the BACC agency, the contract between the bidder and the BACC agency may be terminated.

3.12 Legislative Impacts

In the event the legislative body of any BACC agency fails to appropriate funds for the purchase of the chemical, the respective BACC agency may terminate such contract without penalty and thereupon be released of further obligation.

3.13 Subcontracting

No portion of the bid award may be subcontracted to another chemical manufacturer or supplier without the prior written approval of all of the participating BACC agencies.

3.14 Laws and Regulations

All applicable State of California and Federal laws, City, County, and Special District ordinances, licenses, and regulations of all participating BACC agencies having jurisdiction must apply during the contract period, including any applicable State or local health order related to COVID-19.

3.15 Insurance

For services requiring the supplier's or their subcontractor's presence on any BACC agency property, the successful bidder must acquire and maintain at their expense for the duration of the term of the contract the following insurance policies: Workers' Compensation, Employer's Liability, Commercial General Liability, Business Vehicle and Automobile Liability, and Contractor's Pollution Liability Insurance coverage from insurers either (i) admitted by the California Insurance Commissioner to do business in the State of California and rated no less than A.M. Best's rating of no less than A:VII, or (ii) authorized by the BACC agency's risk manager(s) or his/her designee at any time in his/her sole discretion, all relating to the supplier's services to be performed hereunder covering the BACC agency's risks. The minimum amounts of coverage, and the breadth of coverage, corresponding to the aforesaid categories of insurance per insurable event, must be as follows, however, the insurance limits available to each participating BACC agency, their officers, officials, employees, agents and volunteers as additional insured parties, shall be the greater of the minimum limits specified herein or the full limit of any insurance proceeds available to the named insured:

INSURANCE CATEGORY	MINIMUM LIMITS
Workers' Compensation Insurance	California Statutory Minimum
Employer's Liability Insurance	$2,000,000 per accident, and $1,000,000 per employee for bodily injury or disease.
Commercial General Liability Insurance	$5,000,000 per occurrence for bodily injury, personal injury, and property damage.
Business Vehicle and Automobile Liability Insurance	$2,000,000 per accident for bodily injury and property damage.
Contractor's Pollution Liability	$1,000,000 per occurrence, $2,000,000 policy aggregate.

Prior to commencement of any performance under the contract, the successful bidder must furnish to each participating BACC agency an original Certificate of Insurance, and copies of information or declaration pages for the insurance required with respect to evidence of all policies of insurance required as noted above. All policies of insurance must be endorsed to name the respective BACC agency, their officials, officers, employees, agents, and volunteers as additional insured parties. For any claims related to the contract, bidder's insurance coverage shall be primary insurance with respect to each participating BACC agency, their officials, officers, employees, agents and volunteers. Any insurance or self-insurance maintained by any BACC agency party, their officials, officers, employees, agents and volunteers shall be excess of the bidder's insurance and shall not contribute with it. The successful bidder will be responsible for contacting each participating BACC agency to ascertain the proper name or names of the agency specific entities to be included in the endorsements.

The successful bidder must also provide each participating BACC agency with a MSC-90 endorsement, required for transporters of hazardous materials and/or wastes.

The successful bidder hereby agrees to waive subrogation which any insurer of the bidder may acquire from vendor by virtue of the payment of any loss. Bidder agrees to obtain and provide to each BACC agency any endorsement that may be necessary to affect this waiver of subrogation. The Workers' Compensation policy shall be endorsed with a waiver of subrogation in favor of each participating BACC agency for all work performed by the bidder, its employees, agents and subcontractors.

The successful bidder must maintain the required insurance at all times while the contract is in effect, and must replace any certificate, policy or endorsement which will expire prior to that date. All policies of insurance must be endorsed to provide the required insurance and must not be suspended, voided, reduced, canceled, or allowed to expire except on thirty (30) days prior written notice to each participating BACC agency. The Certificate of Insurance must have a cancellation statement worded as follows: *"Should any of the above described policies be cancelled before the expiration date thereof, the issuing company must mail thirty calendar (30) written notice to the Certificate holder named to the left."*

4. TERMS AND CONDITIONS

4.1 Indemnification

To the fullest extent allowed by law, the successful bidder and its employees, subcontractors, and agents shall defend, indemnify, and save and hold harmless each participating BACC agency, its officers, agents, employees and volunteers from any claims, suits or actions of every name, kind and description brought forth, or on account of, injuries to or death of any person (including but not limited to workers and the public), or damage to property, resulting from or arising out of the successful bidder's or its personnel, employees, agents, or subcontractors' willful misconduct or negligent act or omission while engaged in the performance of services described in this bid document, except those matters arising from the participating BACC agency's sole negligence or willful misconduct. The parties intend that this provision shall be broadly construed.

This indemnification includes, without limitation, the payment of all penalties, fines, forfeitures, judgments, awards, decrees, attorney's fees, and related costs or expenses, and the reimbursement of any BACC agency, its officials, officers, employees, agents, and volunteers for all legal expenses and costs incurred by each of them.

The successful bidder's responsibility for such defense and indemnity obligations shall survive the termination or completion of the contract for the full period of time allowed by law. The defense and indemnity obligations of the contract are undertaken in addition to, and shall not in any way be limited by, the insurance obligations contained in the contract.

If the successful bidder should subcontract all or any portion of the work to be performed under the contract, the successful bidder shall require each subcontractor to indemnify, hold harmless and defend each participating BACC agency and each of its officials, officers, employees, agents and volunteers in accordance with the terms of the preceding paragraphs.

4.2 Bid Protests

Any bid protest must be submitted electronically via email to the BACC Coordinator before 3:30 p.m. on the fifth (5th) business day following bid opening (jdyment@bacwa.org).

a. The protest document must be provided as one PDF and must contain a complete statement of the basis for the protest and all supporting documentation and evidence.
b. The party filing the protest must have actually submitted a bid for the chemical. A subcontractor of a party submitting a bid for the chemical may not submit a bid protest. A party may not rely on the bid protest submitted by another bidder, but must timely pursue its own protest.
c. The protest must refer to the specific portion of the bid document which forms the basis for the protest.
d. The protest must include the name, address and telephone number of the person representing the protesting party.
e. The party filing the protest must concurrently transmit a copy of the protest document and any attached documentation to all other parties with a direct financial interest which may be adversely affected by the outcome of the protest. Such parties shall include all other bidders who appear to have a reasonable prospect of receiving an award depending upon the outcome of the protest.
f. BACC will give the bidder that is the subject of the protest five (5) business days after the receipt of the protest to submit a written response. The responding bidder shall submit the response to the protesting bidder concurrent with delivery to BACC.
g. The procedure and time limits set forth in this paragraph are mandatory and are the bidder's sole and exclusive remedy in the event of bid protest. All protests and responses received after the time set forth herein will be rejected. The bidder's failure to comply with these procedures shall constitute a waiver of any right to further pursue the bid protest.
h. BACC will not be responsible for any delays or transmission errors. The protesting bidder accepts all risk of late delivery of electronic protests. If is the protesting bidder's responsibility to ensure that a submittal protest is received by the bid coordinator listed in this solicitation by the due date and time. Protesting bidders should contact the bid coordinator to make sure that their electronic submittal has gone through.
i. If BACC determines that a protest is frivolous, the protesting bidder may be determined to be non-responsible and that bidder may be determined to be ineligible for future contract awards.

4.3 Equal Opportunity

The successful bidder must agree not to refuse the hire, discharge, promote, or to otherwise discriminate in the matters of compensation against any person otherwise qualified solely because of race, creed, sex, national origin, ancestry, or physical handicap. It must be a condition that any company firm or corporation supplying goods or services, must be in compliance with the Americans with Disabilities (ADA) Act of 1990. A certificate stating compliance with the ADA may be required, upon request, by any BACC agency.

4.4 Modification of Contract

This bid solicitation document including the bid contract documents, in conjunction with each BACC agency's purchase order, purchase agreement and / or contract, will constitute the entire contract between each BACC agency and the successful bidder. The contract may not be modified, altered, or amended except by the mutual written agreement of the respective BACC agency and the successful bidder.

4.5 Common Language

Unless otherwise specified in this document, all words must be given their plain, common and ordinary meaning unless the context in which they are used clearly requires a different meaning. Words in the singular number include the plural, and in the plural include the singular. Additionally, words in the masculine gender include the feminine and the neuter, and when the sense so indicates, words of the neuter gender may refer to any gender.

4.6 Proprietary Information

All information included in any bid proposal that is of a propriety nature must be **clearly** marked as such. Each BACC agency must be held harmless from any claims arising from the release of proprietary information not clearly designated as such by the Bidder.

4.7 Patent Guarantee

The bidder must, with respect to any bidder's standard products, indemnify, defend and hold harmless each participating BACC agency, its employees and agents, from any and all costs and damages because of claims or litigation on account of infringement or alleged infringement of any letters patent or patent rights by reason of the sale or normal use of such products, provided that the bidder is promptly notified of all such actual or potential infringement suits, and is given an opportunity to participate in the defense of the participating BACC agencies.

4.8 Quality Control

The bidder's chemical may be inspected and/or sampled before, during, or after any delivery and tested to confirm compliance with all of the specifications. Persistent clogging, deliveries containing significant amounts of debris, and/or chemical not meeting the technical specifications will be considered to be deficiencies. If deficiencies are detected, the chemical will be rejected and the bidder will be required to remove and replace any and all of the chemical and clean the associated tanks and piping that are contaminated by a delivery that is determined to be deficient, at no cost to the participating BACC agency. If the bidder fails to remove and replace the deficient chemical in a timely manner after being notified of the problem by the participating agency, the participating agency may remove and dispose of the contaminated chemical and clean the chemical storage tank or tanks and the associated piping all at the bidder's expense. Payment for the delivered chemical will not be made until the defects are corrected and the chemical is properly replaced and accepted. Repeat failures to comply with the specifications must constitute grounds for termination of the contract.

4.9 Term of Contract

The term of the contract between the respective BACC agency and the successful bidder will be twelve (12) months commencing July 1, 2026, and expiring June 30, 2027, with an option to extend the contract on a year-to-year basis, not to exceed three (3) yearly renewals if conditions and service are satisfactory to both the respective BACC agency and the successful bidder. The price for any succeeding periods of service shall be determined by negotiation between the respective BACC agency and the successful bidder.

4.10 Good Faith Bidding and Contracting

The participating BACC agencies listed on this bid solicitation are bidding in good faith and have agreed not to extend an existing bid in lieu of contracting with the lowest responsive bidder. However, nothing in this bid solicitation shall prevent a BACC agency from rejecting all bids and separately procuring the services they require, if deemed in the best interest of their respective agency.

4.11 Termination of Contract

Any BACC agency may terminate their contract with the successful bidder for any reason by providing the successful bidder written notice of termination, and specifying the effective date thereof, at least thirty (30) days before the effective date. Termination of the contract by one BACC agency does not affect the contractual relationship between the successful bidder and any other BACC agency.

4.12 Termination for Cause

In the event of a breach of any term or provision of the contract by the successful bidder, a BACC agency may terminate the contract with respect to supply of chemicals for that agency by providing the successful bidder with written notice of such termination, and specifying the effective date thereof, at least ten (10) days before the effective date. Termination of the contract by one BACC agency does not affect the contractual relationship between the successful bidder and any other BACC agency.

4.13 Effect of Termination

Any termination by a BACC agency, with or without cause, must not affect the validity of the contract between the successful bidder and any other BACC agency, nor must such action affect any rights, remedies, or obligations of the successful bidder or any other BACC agency.

4.14 Assignment

The successful bidder must under no circumstances assign the contract without the prior written consent of each participating BACC agency. Any assignment, or attempt at assignment, made without such consent of each participating BACC agency may be considered a breach of contract.

4.15 Competitiveness and Integrity

The participating BACC agencies have assigned control of the acquisition process to the BACC coordinating agency identified in the *Notice Inviting Sealed Bids* of this document, to prevent biased evaluations and to preserve the competitiveness and integrity of such acquisition efforts. Bidders are to direct all

communications regarding this bid to the designated BACC Coordinator, unless otherwise specifically noted, or unless approved in writing by the BACC Coordinator. Attempts by bidders to circumvent this requirement will be viewed negatively and may result in rejection of the offending bidder's offer. The BACC Coordinator may refer communications to other participating BACC agencies for clarification.

-END OF SECTION-

SECTION II

BAY AREA CHEMICAL CONSORTIUM
PRODUCT TECHNICAL SPECIFICATIONS
FOR BID NO. 11-2026
SODIUM BISULFITE

PRODUCT TECHNICAL SPECIFICATIONS
SODIUM BISULFITE - 25%

1. General

Chemical Name:	Sodium Bisulfite Solution
Chemical Formula:	$NaHS0_3$
Concentration:	25% nominal
Specific Gravity:	1.23
Unit Weight:	10.3 pounds per gallon

2. General Impurities

The sodium bisulfite supplied under this specification shall contain no soluble mater or organic substances in quantities capable of producing deleterious or injurious effects on Water Reclamation Facility discharge that has been treated properly with the sodium bisulfite. The sodium bisulfite shall not contain any foreign matter that may damage the Agency's equipment of facility.

3. Characteristics

Sodium Bisulfite CAS Number 7631-90-5 between 23.6% and 27.7% solution strength as Sodium Bisulfite by weight shall be commercial grade, completely soluble in water and shall be suitable for use as a dechlorination reagent in wastewater treatment.

4. Chemical and Physical Nature

SPECIFICATION	TYPICAL	MINIMUM	MAXIMUM
$NaHS0_3$	25%	23.6%	27.7%
SO2 Equivalent	--	15.4%	16.6%
Na_2SO_3	--	1.7%	2.5%
Na_2SO_4	--	2.5%	3.8%
Fe	4 to 5 ppm	--	--
pH	5.0	3.5	5.5
Specific Gravity	1.23	1.1	1.4

Color: Clear, Yellow Liquid
Appearance: SO_2 Smell, Sediment Free

PRODUCT TECHNICAL SPECIFICATIONS
SODIUM BISULFITE - 40%

1. General

Chemical Name:	Sodium Bisulfite Solution
Chemical Formula:	$NaHS0_3$
Concentration:	40% nominal
Specific Gravity:	1.33
Unit Weight:	11.08 pounds per gallon @ 25^oC

2. General Impurities

The sodium bisulfite supplied under this specification shall contain no soluble mater or organic substances in quantities capable of producing deleterious or injurious effects on Water Reclamation Facility discharge that has been treated properly with the sodium bisulfite. The sodium bisulfite shall not contain any foreign matter that may damage the Agency's equipment of facility.

3. Characteristics

The sodium bisulfite shall contain 38% to 40% sodium bisulfite by weight and shall be commercial grade, completely soluble in water.

4. Chemical and Physical Nature

SPECIFICATION	TYPICAL	LIMIT
$NaHS0_3$ (g/100 g)	39.0	38.0 -40.0
SO_2 (g/100g)	24.0	Min. 23.1
Na_2SO_3 (g/100g)		Max. 0.7
Na_2SO_4		Max. 1.5
Fe (ppm)		Max. 3
pH	3.5	4.5
Specific Gravity	1.33	

Color: Clear, Yellow Liquid
Appearance: SO_2 Smell, Sediment Free

SECTION III – 1

BAY AREA CHEMICAL CONSORTIUM
ESTIMATED ANNUAL QUANTITIES
FOR BID NO. 11-2026
SODIUM BISULFITE

BAY AREA CHEMICAL CONSORTIUM

ESTIMATED ANNUAL QUANTITIES FOR FISCAL YEAR 2026/2027

BID NO. 11-2026

	Unit of Measure	Estimated Annual Qty for Treatment Applications: Water	Wastewater
Sodium Bisulfite 25% solution	**gal**	**10,000**	**1,799,932**
Central Valley			
City of Turlock	gal	0	125,000
		0	***125,000***
East Bay			
East Bay Dischargers Authority	gal	0	30,000
Union Sanitary District	gal	0	10,000
		0	***40,000***
Marin Sonoma			
Central Marin Sanitation Agency	gal	0	120,000
Las Gallinas Valley Sanitary District	gal	0	70,000
Napa Sanitation District	gal	0	90,000
Sanitary District No. 5 of Marin County	gal	0	28,132
Sausalito Marin City Sanitary District	gal	0	26,400
		0	***334,532***
North Bay			
City of Antioch	gal	10,000	0
City of Brentwood	gal	0	60,000
City of Pinole (Pinole/Hercules WPCP)	gal	0	90,000
Delta Diablo Sanitation District	gal	0	95,000
Rodeo Sanitary District	gal	0	36,000
		10,000	***281,000***
Peninsula			
City of South San Francisco	gal	0	165,000
City of Daly City/North San Mateo County Sanitation	gal	0	80,000
City of San Mateo	gal	0	180,000
Sewer Authority Mid-Coastside	gal	0	36,000
		0	***461,000***
Sacramento			
City of Sacramento	gal	0	38,400
		0	***38,400***

ESTIMATED ANNUAL QUANTITIES FOR FISCAL YEAR 2026/2027
BID NO. 11-2026

	Unit of Measure	Estimated Annual Qty for Treatment Applications: Water	Wastewater
South Bay			
City of Sunnyvale	gal	0	120,000
San Jose - Santa Clara Regional Wastewater Facility	gal	0	400,000
		0	***520,000***
Sodium Bisulfite 40% solution	**gal**	**9,500**	**264,000**
Central Valley			
City of Stockton	gal	9,500	220,000
		9,500	***220,000***
East Bay			
City of San Leandro	gal	0	4,000
		0	***4,000***
Sacramento			
City of Yuba City	gal	0	40,000
		0	***40,000***

SECTION III – 2

BAY AREA CHEMICAL CONSORTIUM
DELIVERY DETAILS
FOR BID NO. 11-2026
SODIUM BISULFITE

BAY AREA CHEMICAL CONSORTIUM
DELIVERY DETAILS
BID NO. 11-2026
SODIUM BISULFITE

The frequency of deliveries and typical delivery size are estimates of anticipated usage for a 12-month period and are given for informational purposes only and are not used in any calculations to determine the lowest overall bid (Section I, Paragraph 2.16 Method of Award).

Per Region, Agency and Delivery Facility Name and Location			Frequency of Deliveries	Typical Delivery Size
CENTRAL VALLEY				
City of Stockton				
Delta Water Supply Plant	11373 N. Lower Sacramento Road	Lodi	1x per month	230 gal
Stockton Regional Wastewater Control Facility (Tertiary Plant)	3307 W. Highway 4 (John Turk Road)	Stockton	2-4x per month	4,000 gallons
City of Turlock				
Turlock Regional Water Quality Control Facility	901 S. Walnut Rd	Turlock	2-3x per month	5,000 gallons
EAST BAY				
City of San Leandro				
City of San Leandro Water Pollution Control Plant	3000 Davist St	San Leandro	1x per month	800-1000 gallons
East Bay Dischargers Authority				
	14150 Monarch Bay Drive	San Leandro	1x every 2 months	5,000 gallons
Union Sanitary District				
USD Alvarado Plant	5072 Benson Road	Union City	2x a year	5,000 gallons
MARIN SONOMA NAPA				
Central Marin Sanitation Agency				
Central Marin Sanitation Agency	1301 Andersen Drive	San Rafael	1x every 2 weeks; 3-4x per week in wet weather	5,000 gallons
Las Gallinas Valley Sanitary District				
Las Gallinas Valley Sanitary District Wastewater Treatment Plant	300 Smith Ranch Road	San Rafael	2-3 per month Nov-May	3500 gallons
Napa Sanitation District				
Napa Sanitation District	1515 Soscol Ferry Road	Napa	Once per week Twice if rainstorm approaches November through April	5,000 gallons
Sanitary District No. 5 of Marin County				
	2001 Paradise Drive	Tiburon	4-5 deliveries per year	5000 gallons
Sausalito Marin City Sanitary District				
SMCSD Treatment Plant	1 East Road	Sausalito	1x every 90 days	2,500 gallons, Tanker truck, Receiving hours 6am-1pm M-Th

BAY AREA CHEMICAL CONSORTIUM
DELIVERY DETAILS
BID NO. 11-2026
SODIUM BISULFITE

The frequency of deliveries and typical delivery size are estimates of anticipated usage for a 12-month period and are given for informational purposes only and are not used in any calculations to determine the lowest overall bid (Section I, Paragraph 2.16 Method of Award).

Per Region, Agency and Delivery Facility Name and Location			Frequency of Deliveries	Typical Delivery Size
NORTH BAY				
City of Antioch				
City of Antioch Water Treatment Plant	401 Putnam Street	Anitoch	weekly	250 gallons
City of Brentwood				
Brentwood Wastewater Treatment Plant	2251 Elkins Way	Brentwood, CA	2-3x per month	2,000 gallons
City of Pinole (Pinole/Hercules WPCP)				
City of Pinole	11 Tennent Avenue	Pinole	Every 2 weeks	4000 gallons
Delta Diablo Sanitation District				
Delta Diablo	2500 Pittsburg-Antioch Hwy	Antioch	Once every 3 weeks	Full Load 4,600 gallons
Rodeo Sanitary District				
Rodeo Sanitary District	800 San Pablo Avenue	Rodeo	1x month occasionally 2x a month depending on rain/flows, and/or projects	2,150 gallons
PENINSULA				
City of South San Francisco				
South San Francisco - San Bruno Water Quality Control Plant	195 Belle Aire Road	South San Francisco	One Load Every 2 Weeks	4,800 gallons
City of Daly City/North San Mateo County Sanitation District				
Daly City Wastewater Plant	153 Lake Merced Blvd	Daly City	Every 3 weeks	4,000 gal
City of San Mateo				
City of San Mateo WQCP	2050 Detroit Drive	San Mateo, CA	every 3-4 weeks	Full load
Sewer Authority Mid-Coastside				
	1000 N. Cabrillo Hwy	Half Moon Bay	Monthly	3,000 gallons / month
SACRAMENTO				
City of Sacramento				
Combined Wastewater Treatment Plant	1391 35th Avenue	Sacramento	Rain dependent - can be multiple orders each week	4,800 gallons
Pioneer Reservoir	2100 Front Street (cross street is V Street)	Sacramento	Rain dependent – can be multiple orders each week	4,800 gallons
City of Yuba City				
Wastewater Treatment Plant	302 Burns Drive	Yuba City	Every 3 weeks when needed	5,000 gallons

BAY AREA CHEMICAL CONSORTIUM
DELIVERY DETAILS
BID NO. 11-2026
SODIUM BISULFITE

The frequency of deliveries and typical delivery size are estimates of anticipated usage for a 12-month period and are given for informational purposes only and are not used in any calculations to determine the lowest overall bid (Section I, Paragraph 2.16 Method of Award).

Per Region, Agency and Delivery Facility Name and Location			Frequency of Deliveries	Typical Delivery Size
SOUTH BAY				
City of Sunnyvale				
City of Sunnyvale Wastewater Treatment Plant	1444 Borregas Avenue	Sunnyvale	3x per month	3,000 - 4,000 gallons
San Jose - Santa Clara Regional Wastewater Facility				
San Jose Regional Wastewater Facility	700 Los Esteros Rd	San Jose	3 loads every 2 weeks	5,000 gallons (full tanker)

SECTION III – 3

BAY AREA CHEMICAL CONSORTIUM
PARTICIPATING MEMBER AGENCY CONTACT LIST
FOR BID NO. 11-2026
SODIUM BISULFITE

BAY AREA CHEMICAL CONSORTIUM
PARTICIPATING MEMBER AGENCY CONTACT LIST
BID NO. 11-2026
SODIUM BISULFITE

Central Valley

CITY OF STOCKTON

Municipal Utilities Department 2500 Navy Drive Stockton, CA 95206

Kathryn Garcia	Program Manager III - Wastewater	Kathryn.Garcia@stocktonca.gov	209-937-8232

CITY OF TURLOCK

156 S Broadway, #270 Turlock, CA 95380

David Huff		dhuff@turlock.ca.us	
Carlos Guerrero	Utilities Manager	cguerrero@turlock.ca.us	
Nicole Mann		nmann@turlock.ca.us	
Raquel Brasil		rbrasil@turlock.ca.us	

East Bay

CITY OF SAN LEANDRO

Water Pollution Control Plant 3000 Davis Street San Leandro, CA 94577

Sally Perez	Purchasing Technician	sperez@sanleandro.org	510-577-3472
Hayes Morehouse	Water Pollution Control Manager	hmorehouse@sanleandro.org	510-577-3437
Ramya Sankar	Management Analyst	RSankar@sanleandro.org	510-577-3337

EAST BAY DISCHARGERS AUTHORITY

2651 Grant Ave San Lorenzo, CA 94580

Howard Cin	Operations and Maintenance Manager	hcin@ebda.org	510-278-5910
Jackie Zipkin	General Manager	jzipkin@ebda.org	

UNION SANITARY DISTRICT

5072 Benson Road Union City, CA 94587-2508

Theresa Vasquez	Purchasing Agent	theresav@unionsanitary.ca.gov	510-477-7524
Ariel Teixeira	Buyer I	arielt@unionsanitary.ca.gov	510-477-7527
Armando Lopez	Treatment and Disposal Services Manager	Armandol@unionsanitary.ca.gov	510-477-7517

BAY AREA CHEMICAL CONSORTIUM
PARTICIPATING MEMBER AGENCY CONTACT LIST
BID NO. 11-2026
SODIUM BISULFITE

Marin Sonoma Napa

CENTRAL MARIN SANITATION AGENCY
1301 Andersen Drive San Rafael, CA 94901

Jason Dow	Jdow@cmsa.us	(415) 459-1455
Jacky Wong	jwong@cmsa.us	(415) 459-1455
Peter Kistenmacher Technical Services Manager	pkistenmacher@cmsa.us	(415) 459-1455

LAS GALLINAS VALLEY SANITARY DISTRICT
300 Smith Ranch Road San Rafael, CA 94603

Steve Inskeep Plant Operations Supervisor	sinskeep@lgvsd.org	415-747-7030
Don Moore Plant Manager	dmoore@lgvsd.org	415-472-1734

NAPA SANITATION DISTRICT
1515 Soscol Ferry Road Napa, CA 94558

Christopher Mosier Operator III	cmosier@napasan.com	707- 312-1899
Cristopher Henriquez Operator II	chenriqu@napasan.com	707-312-1595
Andrew Damron, PE General Manager	adamron@napasan.com	707- 258-6007

SANITARY DISTRICT NO. 5 OF MARIN COUNTY
2001 Paradise Drive Tiburon, CA 94920

Casey Cottrell Operations Superintendent	rcottrell@sani5.org	415-435-1501 Ext. 109
Tony Rubio District Manager	trubio@sani5.org	415-435-1501

SAUSALITO MARIN CITY SANITARY DISTRICT
1 East Road Sausalito, CA 94965

Cathy Bondanza	cathy@smcsd.net
Kevin Beneda	Kevinb@smcsd.net
Vince Pasquini	vince@smcsd.net
Jeffery Kingston	jeffrey@smcsd.net

BAY AREA CHEMICAL CONSORTIUM
PARTICIPATING MEMBER AGENCY CONTACT LIST
BID NO. 11-2026
SODIUM BISULFITE

North Bay

CITY OF ANTIOCH

Water Treatment Plant P.O. Box 5007 Antioch, CA 94531-5007

Santiago Moreno	smoreno@antiochca.gov	
Operator on Duty		925-382-4246
Marcus Woodland	Mwoodland@antiochca.gov	925-779-7029

CITY OF BRENTWOOD

2251 Elkins Way Brentwood, CA 94513

Katrina Walters Administrative Secretary	kwalters@brentwoodca.gov	925-516-6060
Juan Herrera Wastewater Treatment Plant Supervisor	jherrera@brentwoodca.gov	925-516-6060
Mark Huber Wastewater Operations Manager	mjhuber@brentwoodca.gov	925.516.6030

CITY OF PINOLE (PINOLE/HERCULES WPCP)

11 Tennet Avenue Pinole, CA 94564

Mike Howe Operations Supervisor	mhowe@ci.pinole.ca.us	(510) 724-9013
Josh Binder Plant Manager	jbinder@ci.pinole.ca.us	(510) 724 - 8964

DELTA DIABLO SANITATION DISTRICT

2500 Pittsburg-Antioch Hwy. Antioch, CA 94509-1373

Joaquin Gonzalez Operations Manager	joaquing@deltadiablo.org	925-756-1971
Jeffrey Beckham Purchasing Supervisor	jeffreyb@deltadiablo.org	925-756-1328
Anika Lyons Finance Manager	anikal@deltadiablo.org	925-756-1924

RODEO SANITARY DISTRICT

800 San Pablo Avenue Rodeo, CA 94572

Nancy Lefebvre	lefebvren@rodeosan.org	
Steven S. Beall District Manager	bealls@rodeosan.org	510-799-2970 x100
Jeff Greer	greerj@rodeosan.org	

BAY AREA CHEMICAL CONSORTIUM
PARTICIPATING MEMBER AGENCY CONTACT LIST
BID NO. 11-2026
SODIUM BISULFITE

Peninsula

CITY OF SOUTH SAN FRANCISCO

San Bruno Water Quality Control Plant 195 Belle Air Road South San Francisco, CA 94080

Kunning Zhu	Laboratory Supervisor	Kunning.zhu@ssf.net	650-829-3854
Brian Schumacker	Plant Superintendent	Brian.Schumacker@ssf.net	650-829-3844

CITY OF DALY CITY/NORTH SAN MATEO COUNTY SANITATION DISTRICT

153 Lake Merced Blvd Daly City, CA 94015

Brandon Wardle	Senior Operator	bwardle@dalycity.org	650-991-8200
Gregory Krauss	Chief of Operations	gkrauss@dalycity.org	650-991-8204
Frank Ascariz	Assistant Chief of Operations	fascariz@dalycity.org	650-991-8205

CITY OF SAN MATEO

City of San Mateo WWTP 2050 Detroit Drive San Mateo, CA 94404

Alonso Barahona	Management Analyst II	abarahona@cityofsanmateo.org	650-522-7334
Xiongbing Liang	Laboratory Supervisor	xliang@cityofsanmateo.org	650-522-7380
Robert Knox	Operations Superintendent /Chief Plant Operator	rknox@cityofsanmateo.org	650-522-7380
Rob Learmonth	Planet Manager	rlearmonth@cityofsanmateo.org	

SEWER AUTHORITY MID-COASTSIDE

1000 N. Cabrillo Highway Half Moon Bay, CA 94019

Kishen Prathivadi	General Manager	Kishen@samcleanswater.org	650-726-0124
George Evans	Finance Officer	gevans@samcleanswater.org	650-726-0124

Sacramento

CITY OF SACRAMENTO

Department of Utilities 5730 24th Street, Bldg 22 Sacramento, CA 95822

David Herrmann	Division Manager, Water Division	dherrmann@cityofsacramento.org	916-808-5652
Dalton Le	Program Specialist, Water Division	DMLe@cityofsacramento.org	916-808-6008
Andrew Costan	Program Specialist	acostan@cityofsacramento.org	916-808-6339

BAY AREA CHEMICAL CONSORTIUM
PARTICIPATING MEMBER AGENCY CONTACT LIST
BID NO. 11-2026
SODIUM BISULFITE

CITY OF YUBA CITY

Utilities Department 701 Northgate Drive Yuba City, CA 95991

Kaylashia Byrd	Finance Administrative Analyst	kbyrd@yubacity.net	530-822-4659
Mylaina McMurray	Utilities Administrative Analyst	mmcmurray@yubacity.net	530-822-5365
Joseph Jones	Finance Accounting Manager	jjones@yubacity.net	530-822-4803
Jennifer Troche	Utilities Administrative Assistant	utilitiesadmin@yubacity.net	530-822-7571
Christian Elder	Water Treatment Plant Supervisor	celder@yubacity.net	530-822-4759
Finance Department	Purchasing Team	purchasing@yubacity.net	530-822-4618
Veronica Kemmerly	Accountant I	vkemmerly@yubacity.net	530-822-4646
Mike Finnigan	Wastewater Treatment Facility Supervisor	mfinniga@yubacity.net	530-822-7696
Scarlett Harris	Utilities Administrative Manager	sharris@yubacity.net	530-822-5366
Lance Andes	Water Treatment Chief Plant Operator	landes@yubacity.net	530-822-4637
David Newgard	Wastewater Treatment Facility Chief Plant Operator	dnewgard@yubacity.net	530-822-7698

South Bay

CITY OF SUNNYVALE

Water Pollution Control Plant 1444 Borregas Avenue Sunnyvale, CA 94088-3707

Ryan Smith	WWTP Operations Manager	RASmith@sunnyvale.ca.gov	408-730-7716
Julie Callaghan	Admin Aide	jcallaghan@sunnyvale.ca.gov	408-730-7719
Rohan Wikramanayake	Division Manager	RWikramanayake@sunnyvale.ca.gov	408-730-7788
Lisa Vo	Purchasing	lvo@sunnyvale.ca.gov	408-730- 7608

SAN JOSE - SANTA CLARA REGIONAL WASTEWATER FACILITY

700 Los Esteros Road San Jose, CA 95134

Justin Sabla	Wastewater Ops Superintendent	Justin.Sabla@sanjoseca.gov	(408) 793-5375
Bryan Berdeen	Chief Plant Operator	Bryan.Berdeen@sanjoseca.gov	(408) 635-2058
Mark Nicholl	Wastewater Ops Superintendent	Mark.Nicholl@sanjoseca.gov	408-635-6635
Alex Rodriguez	Division Manager of Wastewater Ops	alex.rodriguez@sanjoseca.gov	(408) 635-2087

SECTION IV

BAY AREA CHEMICAL CONSORTIUM
BID CONTRACT DOCUMENTS
FOR BID NO. 11-2026
SODIUM BISULFITE

***** All of the following pages must be properly competed and submitted for the bid to be considered complete. *****

BAY AREA CHEMICAL CONSORTIUM
STANDARD AGREEMENT, PAGE 1 OF 2
BID NO. 11-2026
SUPPLY AND DELIVERY OF SODIUM BISULFITE

I hereby agree to furnish SODIUM BISULFITE identified in the attached bid forms, as solicited by the Bay Area Chemical Consortium (BACC), to one or more of the participating BACC Agencies.

Company: _____

Address: _____

City, State, ZIP: _____

Phone: _____

Email: _____

Authorized Representative: _____

Signature: _____

Date: _____

WE ACKNOWLEDGE RECEIVING ADDENDUM/ADDENDA NUMBER _____ THROUGH _____.

SPECIFIC DEVIATIONS:

☐ This box must be checked if bidder has any proposed specific deviations. Per Section 2.12 Proposed Deviations from the Specifications by the Bidder, the absence of a proposed changed in the specifications will hold the bidder strictly accountable to the specifications as described in the bid document, including any addendum.

Describe the specific deviations below. A copy of the proposed specifications must be attached to this Standard Agreement at the time of submission, with bidder's name clearly shown on each document.

_____

_____

_____

_____

_____

Description of Emergency Supply Plan: Provide a summary of vendor's plans to continue to supply product in the event of an unexpected disaster or urgent emergency event.

_____

_____

_____

STANDARD AGREEMENT, PAGE 2 OF 2

1692799v1

BIDDER INFORMATION

1. Legal Name of Bidder:

   _____

2. Bidder's Street Address:

   _____

3. Mailing Address:

   _____

4. Business Telephone: _____ Fax Number: _____

5. Type of Supplier:
   □ Sole Proprietor □ Partnership □ Corporation □ LLC
   If Corporation, indicate State where incorporated: _____

6. Business License Number issued by the City where the Supplier's principal place of business is located.
   Number: _____ Issuing City: _____

7. Supplier Federal Tax Identification Number: _____

8. Emergency Contact: Name: _____
   Phone Number: _____

9. Order Contact: Name: _____
   Address: _____
   Phone Number: _____ Fax Number: _____
   Email: _____

10. References:

Company/Agency Name	Contact Name	Phone Number
1)_____	_____	_____
2) _____	_____	_____
3) _____	_____	_____

11. Chemical Manufacturer's name and address (if different from Bidder):

_____
_____
_____
_____

Non-Collusion Affidavit
To Be Executed By Bidder and Submitted With Bid

State of California)
) ss.
County of _____)

_____, being first duly sworn, deposes and says that he or she is the
(Bidder's Authorized Representative)

_____ of _____ the party making the
(Title of Representative) (Legal Name of Bidder)

foregoing bid that the bid is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization, or corporation; that the bid is genuine and not collusive or sham; that the bidder has not directly or indirectly induced or solicited any other bidder to put in a false or sham bid, and has not directly or indirectly colluded, conspired, connived, or agreed with any bidder or anyone else to put in a sham bid, or that anyone shall refrain from bidding; that the bidder has not in any manner, directly or indirectly, sought by agreement, communication, or conference with anyone to fix the bid price of the bidder or any other bidder, or to fix any overhead, profit, or cost element of the bid price, or of that of any other bid, or to secure any advantage against the public body awarding the contract of anyone interested in the proposed contract; that all statements contained in the bid are true; and, further, that the bidder has not, directly or indirectly, submitted his or her bid price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, or paid, and will not pay, any fee to any corporation, partnership, company association, organization, bid depository, or to any member or agent thereof to effectuate a collusive or sham bid.

I declare under penalty of perjury under the laws of the state of California that the foregoing is true and correct.

_____
Signature of: President, Secretary,
Manager, Owner, or Representative

Subscribed and sworn to before me this, _____day of _____, 20 ___

_____
Signature of Notary Public In and For

The County of _____,

State of _____

All Signatures Must Be Witnessed By Notary

1692799v1

BAY AREA CHEMICAL CONSORTIUM
BID FORM FOR BID NO. 11-2026
FOR SUPPLY AND DELIVERY OF SODIUM BISULFITE

Sealed bids must be submitted in a PDF format and bidders must enter bid prices into the electronic bid platform (Line Item page)
https://bacwa.org/about-bacc/

No later than 4:00 PM. PT
Thursday, February 19, 2026

Legal Name of Bidder:
_____

Business Address
_____
_____
_____
Telephone Number: _____
Facsimile Number: _____
Email Address: _____

Authorized Representative (Please Print):
_____
Signature:_____
Date: _____

I. **All costs except California State sales tax and tariffs for the purchase of SODIUM BISULFITE must be included in the amount shown entered into the electronic bid platform (Line Item page), including any and all mill assessments, fees, excise taxes, transportation charges, etc. Any exceptions to the bid must be noted under Specific Deviations on the Standard Agreement. Bidders shall submit bids per unit of measure as specified in the electronic bid platform (Line Item page).**

II. **Bidders must submit all of the following, attached to this Bid Form:**

a. All requirements listed in Section 2.21 Manufacturer's Info.

b. If applicable, the name, address, and contact information for the third party hauling company as well as an affidavit signed by the Bidder that the third party hauler can and will deliver the chemical to each and every participating BACC Agency.

III. **Bidder Obligations**

By signing this Bid Form and entering into individual purchase orders, purchase agreements and /or contracts with BACC agencies, the bidder expressly agrees to be bound by all the provisions of the bid solicitation, including Sections I-IV.

BAY AREA CHEMICAL CONSORTIUM
Worksheet
BID NO. 11-2026
SODIUM BISULFITE

Refer to paragraph 2.4 Bid Pricing for full details.

Bidders shall submit bids in US$ per unit of measure indicated on this bid form, FOB Destination.
Bid prices shall be based on bulk deliveries of 2,000 gallons or more. Bidders must submit their Bid Prices via electronic bid platform - Line Items section. Do not submit Worksheet.

	Unit of Measure	Bid Price per Unit of Measure
Sodium Bisulfite 25% solution		
Central Valley	gal	$
City of Turlock		
East Bay	gal	$
East Bay Dischargers Authority		
Union Sanitary District		
Marin Sonoma Napa	gal	$
Central Marin Sanitation Agency		
Las Gallinas Valley Sanitary District		
Napa Sanitation District		
Sanitary District No. 5 of Marin County		
Sausalito Marin City Sanitary District		
North Bay	gal	$
City of Antioch		
City of Brentwood		
City of Pinole (Pinole/Hercules WPCP)		
Delta Diablo Sanitation District		
Rodeo Sanitary District		
Peninsula	gal	$
City of South San Francisco		
City of Daly City/North San Mateo County Sanitation District		
City of San Mateo		
Sewer Authority Mid-Coastside		
Sacramento	gal	$
City of Sacramento		
South Bay	gal	$
City of Sunnyvale		
San Jose - Santa Clara Regional Wastewater Facility		

DO NOT SUBMIT WORKSHEET
ENTER BID PRICES VIA ELECTRONIC BID PLATFORM

BAY AREA CHEMICAL CONSORTIUM
Worksheet
BID NO. 11-2026
SODIUM BISULFITE

Refer to paragraph 2.4 Bid Pricing for full details.

Bidders shall submit bids in US$ per unit of measure indicated on this bid form, FOB Destination.
Bid prices shall be based on bulk deliveries of 2,000 gallons or more. Bidders must submit their Bid Prices via electronic bid platform - Line Items section. Do not submit Worksheet.

	Unit of Measure	Bid Price per Unit of Measure
Sodium Bisulfite 40% solution		
Central Valley	gal	$
City of Stockton		
East Bay	gal	$
City of San Leandro		
Sacramento	gal	$
City of Yuba City		

DO NOT SUBMIT WORKSHEET
ENTER BID PRICES VIA ELECTRONIC BID PLATFORM

SIGNATURES

The parties have signed this Contract, effective as of the day and year first stated above.

CONTRACTOR

Under penalty of perjury, I certify that the information provided here is correct.

Signature: 

Title: Sr. Product Director

Additional Signature (if required):

Title:

CITY OF SACRAMENTO

A Municipal Corporation

APPROVED AS TO FORM:

Signature: Michael Voss

Title: Senior Deputy City Attorney

Reviewed By:

Signature:

Title:

Approved By:

Signature:

Title:

Additional Signature (if required):

Title:

BAY AREA CHEMICAL CONSORTIUM
STANDARD AGREEMENT, PAGE 1 OF 2
BID NO. 12-2026
SUPPLY AND DELIVERY OF SODIUM HYDROXIDE

I hereby agree to furnish SODIUM HYDROXIDE identified in the attached bid forms, as solicited by the Bay Area Chemical Consortium (BACC), to one or more of the participating BACC Agencies.

Company: Univar Solutions USA, LLC
Address: 8201 S 212th St
City, State, ZIP: Kent, WA 98032
Phone: 253-872-5040
Email: jennifer.perras@univarsolutions.com or Muniteam-west@univarsolutions.com
Authorized Representative: Jennifer M. Perras
Signature:
Date: 2/13/2026

WE ACKNOWLEDGE RECEIVING ADDENDUM/ADDENDA NUMBER 1 **THROUGH** _____.

SPECIFIC DEVIATIONS:

☒ This box must be checked if bidder has any proposed specific deviations. Per Section 2.12 Proposed Deviations from the Specifications by the Bidder, the absence of a proposed changed in the specifications will hold the bidder strictly accountable to the specifications as described in the bid document, including any addendum.

Describe the specific deviations below. A copy of the proposed specifications must be attached to this Standard Agreement at the time of submission, with bidder's name clearly shown on each document.

Any order less than 2,000 gal will be charged an LTL fee of $575.00 per delivery.
If a load is split between multiple sites and the delivery volume is less than 2,000 gal, the LTL fee will be charged to the first delivery.

Please see the attached 2 pages, which lists the Sodium Hydroxide deviations

Description of Emergency Supply Plan: Provide a summary of vendor's plans to continue to supply product in the event of an unexpected disaster or urgent emergency event.

We have our pwn fleet of trucks and drivers, if our facilities are up and running. Municipalities our our first priority.
We have tanks of chemicals at our facilities that can supply chemicals. We also have deep water tanks to pull from. We can pull from Redwood Cityy, Santa Fe Springs, K2, Dow and IMTT Richmond, CA

STANDARD AGREEMENT, PAGE 2 OF 2

1692799v1

BIDDER INFORMATION

1. Legal Name of Bidder:
   Univar Solutions USA, LLC

2. Bidder's Street Address:
   Muni Team-8201 S 212th St., Kent, WA 98032 Branch-2461 Crocker Circle, Fairfield, CA 94533

3. Mailing Address:
   Muni Team-8201 S 212th St., Kent, WA 98032 Invoices-62190 Collections Center Drive, Chichago, IL 60693-0621

4. Business Telephone: 855-785-9499 Fax Number: 408-435-1735

5. Type of Supplier:
   ☐ Sole Proprietor ☐ Partnership ☐ Corporation ☑ LLC
   If Corporation, indicate State where incorporated: Illinois

6. Business License Number issued by the City where the Supplier's principal place of business is located.
   Number: 32739 Issuing City: Fresno CA

7. Supplier Federal Tax Identification Number: 91-1347935

8. Emergency Contact: Name: Univar
   Phone Number: 833-864-8271

9. Order Contact: Name: Customer Service
   Address: Commerce, CA
   Phone Number: 855-785-9499 Fax Number: 408-435-14735
   Email: custsvc-la@univarsolutions.com

10. References:

Company/Agency Name	Contact Name	Phone Number
1) Please see the attached 3 pages		
2)		
3)		

11. Chemical Manufacturer's name and address (if different from Bidder):
    K2-950 Loveridge Rd, Pittsburg, CA 94565
    Univar-12522 Los Neitos Rd., Santa Fe Springs, CA 90670
    Univar-525 Seaport Blvd., Redwood, CA 94063

1692799v1

March 19, 2026

Univar Solutions USA, LLC
Attn: Jennifer M Perras
8201 S 21st St.
Kent, WA 98032

RE: Award Contract in Response to Bay Area Chemical Consortium (BACC) Bid No. 12-2026 for Supply and Delivery of SODIUM HYDROXIDE.

Dear Ms. Perras

We are pleased to advise you that the bid submitted by Univar Solutions USA, LLC. for Bid No. 12-2026 was determined to be the lowest responsive bid for the supply and delivery of SODIUM HYDROXIDE for 20% in Marin Sonoma Napa and Sacramento, for 25% in Marin Sonoma Napa, Peninsula, Sacramento, Tri Valley, Central Valley and South Bay, for 30% in Marin Sonoma Napa, North Bay, Sacramento, and 50% in East Bay, Marin Sonoma Napa, North Bay, Sacramento, Tri Valley, Central Valley and South Bay regions during the period July 1, 2026 through June 30, 2027.

The participating BACC Agencies should be contacting you shortly to discuss entering into contracts with Univar Solutions USA, LLC. for their respective facilities.

Bay Area Chemical Consortium sincerely appreciates your efforts and participation in the competitive bid process.

If you have any questions, please free to contact me at jdyment@bacwa.org

Sincerely,

Jennifer Dyment
Assistant Executive Director
BACWA.org
as Coordinating Agency for the Bay Area Chemical Consortium

Bay Area Clean Water Agencies
Bid Results for Project 12-2026 SODIUM HYDROXIDE
Bid Due on February 19, 2026 4:00 PM (PDT)

REGIONAL BID AWARD

Section	SODIUM HYDROXIDE 20% (Caustic)		SODIUM HYDROXIDE 25% (Caustic)						SODIUM HYDROXIDE 30% (Caustic)			SODIUM HYDROXIDE 50% (Caustic)						
Description	Marin Sonoma N.	Sacramento	Central Valley	Marin Sonoma Napa	Peninsula	Sacramento	South Bay	Tri Valley	Marin Sonoma Napa	North Bay	Sacramento	Central Valley	East Bay	Marin Sonoma Napa	North Bay	Sacramento	South Bay	Tri Valley
Unit of Measure	dry ton	dry ton	dry ton	dry ton	dry ton	dry ton	dry ton	dry ton	dry ton	dry ton	dry ton	dry ton	dry ton	dry ton	dry ton	dry ton	dry ton	dry ton
Univar Solutions USA LLC.	1,690.2500	896.0600	1,110.2600	879.7300	880.2800	886.0900	1,165.4700	837.4400	1,322.3600	859.4600	860.9800	712.8400	706.4300	699.1400	689.5000	751.4800	1,091.0600	700.7500
Brenntag Pacific, LLC	2,732.0000	3,032.0000	830.0000	980.0000	920.0000	1,000.0000	1,420.0000	820.0000	2,799.0000	883.0000	1,000.0000	833.0000	800.0000	1,515.0000	795.0000	835.0000	804.0000	795.0000

**Highligted bid prices are only to show the apparent low bid and should not be construed as any indication that BACC has accepted such bid as responsive; see bid review for award recommendation.*

Per Section 2.16 Method of Award
Bids may be awarded by the participating BACC agencies to the lowest, responsive, and responsible bidder for each listed region meeting the specifications for bulk loads for the chemical. The lowest responsive bidder for this chemical will be determined for each region listed on the Bid Form. The bidder that meets the specifications and submits the lowest overall bid price for a particular region may be awarded the bid by the participating agencies in that region, assuming the bid is determined by BACC to be complete and in compliance with the bid requirements. The lowest overall bid price for each region will be determined by multiplying the estimated annual quantity for each participating agency within the particular region by the bid prices for the region, and adding up the aggregate cost.

APPARENT LOWEST OVERALL BID PRICE FOR EACH REGION (LOWEST AGGREGATE COST PER REGION)

CENTRAL VALLEY
EST ANNUAL dry ton

	20% CAUSTIC		25% CAUSTIC		30% CAUSTIC		50% CAUSTIC		TOTAL OVERALL COST FOR REGION
			435				365		
	BID PRICE PER Dry ton	TOTAL EST COST	BID PRICE PER Dry ton	TOTAL EST COST	BID PRICE PER Dry ton	TOTAL EST COST	BID PRICE PER dry ton	TOTAL EST COST	
Univar Solutions USA LLC.			1,110.2600	$482,963.10			712.8400	$260,186.60	$743,149.70
Brenntag Pacific, Inc.			830.0000	$361,050.00			833.0000	$304,045.00	$665,095.00

EAST BAY
EST ANNUAL QTY Dry Ton

	20% CAUSTIC		25% CAUSTIC		30% CAUSTIC		50% CAUSTIC		TOTAL OVERALL COST FOR REGION
							866		
							BID PRICE PER Dry Ton	TOTAL EST COST	
Univar Solutions USA LLC.							706.4300	$611,768.38	$611,768.38
Brenntag Pacific, Inc.							800.0000	$692,800.00	$692,800.00

MARIN SONOMA NAPA
EST ANNUAL QTY Dry Ton

	20% CAUSTIC		25% CAUSTIC		30% CAUSTIC		50% CAUSTIC		TOTAL OVERALL COST FOR REGION
	23		70		13		2,050		
	BID PRICE PER Dry Ton	TOTAL EST COST	BID PRICE PER Dry Ton	TOTAL EST COST	BID PRICE PER Dry Ton	TOTAL EST COST	BID PRICE PER Dry Ton	TOTAL EST COST	
Univar Solutions USA LLC.	$1,690.25000	38875.75	$879.7300	$61,581.10	$1,322.3600	$17,190.68	$699.1400	$1,433,237.00	$1,550,884.53
Brenntag Pacific, Inc.	$2,732.00000	62836.00	$980.0000	$68,600.00	$2,799.0000	$36,387.00	$1,515.0000	$3,105,750.00	$3,273,573.00

NORTH BAY
EST ANNUAL QTY Dry Ton

	20% CAUSTIC		25% CAUSTIC		30% CAUSTIC		50% CAUSTIC		TOTAL OVERALL COST FOR REGION
					2,658		965		
					BID PRICE PER Dry Ton	TOTAL EST COST	BID PRICE PER Dry Ton	TOTAL EST COST	
Univar Solutions USA LLC.					$859.4600	$2,284,444.68	$689.5000	$665,367.50	$2,949,812.18
Brenntag Pacific, Inc.					$883.0000	$2,347,014.00	$795.0000	$767,175.00	$3,114,189.00

Univar Solutions USA LLC.
2461 Crocker Circle
Fairfield, CA 94533

T 408-435-8700
F 408-435-1735
800-659-5908
www.univarsolutions.com

UnivarSolutions
Innovate. Grow. Together.

GENERAL INFORMATION

Regular Office Hours during which orders may be placed:

Monday – Friday 7:00 am – 5:00 pm (PST)

In case of an emergency during non-business hours:

For Non-Chemical Emergencies:

1-833-Univar-1 (1-833-864-8271) / CustSol-Energy@Univarsolutions.com

After-hours emergency – 24-hour response: Jennifer Bernhard – (650) 216-8909 (cell)
Brian Wills – (650) 670-7267 (cell)
Lorena Amezcua – (323) 219-5506 (cell)
Manuel Jimenez – (323) 558-2732 (cell)

For Chemical Related Emergencies: ChemTrec: (800) 424-9300

Names, telephone/FAX numbers of those responsible for taking orders and initiating delivery:

Office Phone:	(855) 785-9499		
Office Fax:	(408) 435-1735		
Customer Service:	(855) 785-9499	Custsvc-la@univarsolutions.com	***NEW EMAIL***
	(480) 573-4707		

For anything pertaining to bids:
Please send all bid packets/documents to:
(Unless otherwise specified)

Univar Solutions USA LLC.
Attn: WER Muni Team
8201 S. 212th
Kent, WA 98032-1994

Contacts: muniteam-west@univarsolutions.com

Jennifer Perras
Sr. Municipal Specialist
Phone: (253) 872-5040
Fax: (253) 872-5041
Jennifer.perras@univarsolutions.com

Roise Holiday
Municipal Specialist
(253) 872-5068
(253) 872-5041
Roise.Holiday@univarsolutions.com

Stacy Ziegler
Municipal Specialist
(253) 872-5023
(253) 872-5041
Stacy.ziegler@univarsolutions.com

Shawnasey McCarthy
Municipal Business Manager
(253)872-5052

(253) 872-5041
Shawnasey.mccarthy@univarsolutions.com

Remittance Address:
Univar Solutions USA LLC.
62190 Collections Center Drive
Chicago, IL 60693-0621
Please include remit information

Standard Payment Terms:
Net 30 days

UnivarSolutions

Date: February 16, 2026

Re: **BACC Bid No. 12-2026: Deviation from BACC NaOH Specifications**

In accordance with BACC Bid No. 12-2026, Section 2.12, Proposed Deviations from the Specifications by the Bidder, Univar Solutions intends to supply sodium hydroxide solution to BACC meeting the following technical specifications:

UNIVAR SOLUTIONS PRODUCT TECHNICAL SPECIFICATIONS
SODIUM HYDROXIDE, 20% Solution

Characteristics	Units	Minimum	Maximum
Sodium Hydroxide, NaOH	Wt. %	18	22
Sodium Oxide, Na_2O	Wt. %	13.6	17.4
Sodium Chloride, NaCl	PPM	0	100
Sodium Carbonate, Na_2CO_3	Wt. %	0	0.15
Sodium Chlorate, $NaClO_3$	PPM	0	33
Sodium Sulfate, Na_2SO_4	PPM	0	67
Nickel, Ni	PPM	0	0.5 *
Iron, Fe	PPM	0	5 *
Mercury, Hg	PPM	0	2
Specific Gravity		1.21	1.23

* Sodium hydroxide for wastewater treatment applications may contain up to 9 mg/L iron (Fe) and 3 mg/L nickel (Ni)

UNIVAR SOLUTIONS PRODUCT TECHNICAL SPECIFICATIONS
SODIUM HYDROXIDE, 25% Solution

Characteristics	Units	Minimum	Maximum
Sodium Hydroxide, NaOH	Wt. %	23	27
Sodium Oxide, Na_2O	Wt. %	17.4	21.3
Sodium Chloride, NaCl	PPM	0	100
Sodium Carbonate, Na_2CO_3	Wt. %	0	0.15
Sodium Chlorate, $NaClO_3$	PPM	0	42
Sodium Sulfate, Na_2SO_4	PPM	0	83
Nickel, Ni	PPM	0	0.5 *
Iron, Fe	PPM	0	5 *
Mercury, Hg	PPM	0	2
Specific Gravity		1.20	1.35

* Sodium hydroxide for wastewater treatment applications may contain up to 9 mg/L iron (Fe) and 3 mg/L nickel (Ni)

UNIVAR SOLUTIONS PRODUCT TECHNICAL SPECIFICATIONS
SODIUM HYDROXIDE, 30% Solution

Characteristics	Units	Minimum	Maximum
Sodium Hydroxide, NaOH	Wt. %	28	32
Sodium Oxide, Na_2O	Wt. %	22.3	25.2
Sodium Chloride, NaCl	PPM	0	100
Sodium Carbonate, Na_2CO_3	Wt. %	0	0.15
Sodium Chlorate, $NaClO_3$	PPM	0	31
Sodium Sulfate, Na_2SO_4	PPM	0	80
Nickel, Ni	PPM	0	0.5 *
Iron, Fe	PPM	0	5 *
Mercury, Hg	PPM	0	2
Specific Gravity		1.25	1.40

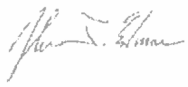
* Sodium hydroxide for wastewater treatment applications may contain up to 9 mg/L iron (Fe) and 3 mg/L nickel (Ni)

UNIVAR PRODUCT TECHNICAL SPECIFICATIONS
SODIUM HYDROXIDE, 50% Solution

Characteristics	Units	Minimum	Maximum
Sodium Hydroxide, NaOH	Wt. %	48	52
Sodium Oxide, Na_2O	Wt. %	36.8	40.7
Sodium Chloride, NaCl	PPM	0	100
Sodium Carbonate, Na_2CO_3	Wt. %	0	0.30
Sodium Chlorate, $NaClO_3$	PPM	0	50
Sodium Sulfate, Na_2SO_4	PPM	0	100
Nickel, Ni	PPM	0	0.5 *
Iron, Fe	PPM	0	5 *
Mercury, Hg	PPM	0	2
Specific Gravity		1.45	1.60

* Sodium hydroxide for wastewater treatment applications may contain up to 9 mg/L iron (Fe) and 3 mg/L nickel (Ni)

Sincerely,



Tom Edman
Sr. Director – BCD Product Management

The Public Health and Safety Organization

NSF Product and Service Listings

These NSF Official Listings are current as of **Tuesday, February 10, 2026** at 12:15 a.m. Eastern Time. Please contact NSF to confirm the status of any Listing, report errors, or make suggestions.

Alert: NSF is concerned about fraudulent downloading and manipulation of website text. Always confirm this information by clicking on the below link for the most accurate information:
http://info.nsf.org/Certified/PwsChemicals/Listings.asp?CompanyName=Univar&ChemicalName=Sodium+Hydroxide&

NSF/ANSI/CAN 60
Drinking Water Treatment Chemicals - Health Effects

Univar Solutions Canada Ltd. DBA
Univar Canada Ltd.
64 Arrow Road
North York, ON M9M 2L9
Canada
416-740-5300

Facility : Abbotsford, British Columbia, Canada

Sodium Hydroxide

Trade Designation	*Product Function*	*Max Use*
Caustic Soda 25% Solution	Corrosion & Scale Control pH Adjustment	200mg/L
Caustic Soda 50% Solution	Corrosion & Scale Control pH Adjustment	100mg/L
Vanblend Caustic Soda 50%	Corrosion & Scale Control pH Adjustment	100mg/L
Vanblend LP 1422 (Caustic Soda 25% Solution)	Corrosion & Scale Control pH Adjustment	200mg/L

Facility : Distribution Center - Dartmouth, Nova Scotia, Canada

Sodium Hydroxide

Trade Designation	*Product Function*	*Max Use*
CAUSTIC SODA 50% SOLUTION	Corrosion & Scale Control pH Adjustment	100mg/L
CAUSTIC SODA 50% SOLUTION COMMERCIAL GRADE	Corrosion & Scale Control pH Adjustment	100mg/L
CAUSTIC SODA 50% SOLUTION MEMBRANE GRADE	Corrosion & Scale Control pH Adjustment	100mg/L
Caustic Soda 25% Solution	Corrosion & Scale Control pH Adjustment	200mg/L
Caustic Soda 30% Solution	Corrosion & Scale Control pH Adjustment	166mg/L
Sodium Hydroxide 30% Solution	Corrosion & Scale Control pH Adjustment	166mg/L

Facility : Distribution Center - Thunder Bay, ON

Sodium Hydroxide

Trade Designation	*Product Function*	*Max Use*
Caustic Soda 50%	pH Adjustment Corrosion & Scale Control	200mg/L
Sodium Hydroxide 50%	pH Adjustment Corrosion & Scale Control	200mg/L

Facility : Edmonton, Alberta, Canada

Sodium Hydroxide

Trade Designation	*Product Function*	*Max Use*
Caustic Soda 20% Solution	Corrosion & Scale Control pH Adjustment	250mg/L
Caustic Soda 25% Solution	Corrosion & Scale Control pH Adjustment	200mg/L
Caustic Soda 50% Solution	Corrosion & Scale Control pH Adjustment	100mg/L
Caustic Soda Solution 50%, Commercial Grade	Corrosion & Scale Control pH Adjustment	100mg/L

Caustic Soda Solution 50%, Membrane Grade	Corrosion & Scale Control pH Adjustment	100mg/L
Sodium Hydroxide 20% Solution	Corrosion & Scale Control pH Adjustment	250mg/L
Sodium Hydroxide 25% Solution	Corrosion & Scale Control pH Adjustment	200mg/L
Sodium Hydroxide 50% Solution	Corrosion & Scale Control pH Adjustment	100mg/L

NOTE: Only products bearing the NSF Mark on the product, product packaging, and/or documentation shipped with the product are Certified.

Facility : Guelph, Ontario, Canada

Sodium Hydroxide

Trade Designation	*Product Function*	*Max Use*
Caustic Soda 20%	Corrosion & Scale Control pH Adjustment	250mg/L
Caustic Soda 25%	Corrosion & Scale Control pH Adjustment	200mg/L
Caustic Soda 30%	Corrosion & Scale Control pH Adjustment	167mg/L
Caustic Soda 50%	Corrosion & Scale Control pH Adjustment	100mg/L
Sodium Hydroxide 20%	Corrosion & Scale Control pH Adjustment	250mg/L
Sodium Hydroxide 25%	Corrosion & Scale Control pH Adjustment	200mg/L
Sodium Hydroxide 30%	Corrosion & Scale Control pH Adjustment	167mg/L
Sodium Hydroxide 50%	Corrosion & Scale Control pH Adjustment	100mg/L

NOTE: Only products bearing the NSF Mark on the product, product packaging, and/or documentation shipped with the product are Certified.

Facility : North Vancouver, British Columbia, Canada

Sodium Hydroxide

Trade Designation	*Product Function*	*Max Use*
Caustic Soda 25% Solution	Corrosion & Scale Control pH Adjustment	200mg/L
Caustic Soda 25%, Commercial Grade	Corrosion & Scale Control pH Adjustment	200mg/L
Caustic Soda 25%, Membrane Grade	Corrosion & Scale Control pH Adjustment	200mg/L
Caustic Soda Solution 50%, Commercial Grade	Corrosion & Scale Control pH Adjustment	100mg/L
Caustic Soda Solution 50%, Membrane Grade	Corrosion & Scale Control pH Adjustment	100mg/L
Sodium Hydroxide 25% Solution	Corrosion & Scale Control pH Adjustment	200mg/L

NOTE: Only products bearing the NSF Mark on the product, product packaging, and/or documentation shipped with the product are Certified.

Facility : Sturgeon County, Alberta, Canada

Sodium Hydroxide

Trade Designation	*Product Function*	*Max Use*
Caustic Soda 50% Solution	Corrosion & Scale Control pH Adjustment	100mg/L
Caustic Soda 50%, Commercial Grade	Corrosion & Scale Control pH Adjustment	100mg/L
Caustic Soda 50%, Membrane Grade	Corrosion & Scale Control pH Adjustment	100mg/L
Sodium Hydroxide 50% Solution	Corrosion & Scale Control pH Adjustment	100mg/L

NOTE: Only products bearing the NSF Mark on the product, product packaging, and/or documentation shipped with the product are Certified.

Facility : Valleyfield, Québec, Canada

Sodium Hydroxide

Trade Designation	*Product Function*	*Max Use*
CAUSTIC SODA 50%, MEMBRANE	Corrosion & Scale Control pH Adjustment	200mg/L

Caustic Soda 10% Solution	Corrosion & Scale Control pH Adjustment	500mg/L
Caustic Soda 20% Solution	Corrosion & Scale Control pH Adjustment	500mg/L
Caustic Soda 25% Solution	Corrosion & Scale Control pH Adjustment	200mg/L
Caustic Soda 30% Solution	Corrosion & Scale Control pH Adjustment	333mg/L
Caustic Soda 50% - Diaphragm	Corrosion & Scale Control pH Adjustment	100mg/L
Caustic Soda 50% Solution	Corrosion & Scale Control pH Adjustment	200mg/L
Sodium Hydroxide 30% Solution	Corrosion & Scale Control pH Adjustment	333mg/L
Sodium Hydroxide 50% Solution	Corrosion & Scale Control pH Adjustment	200mg/L

[1] This product is designed to be used off-line and flushed out prior to using the system for drinking water, following manufacturer's use instructions.
The pH of the influent and effluent water should be monitored to ensure that all traces of the product have been removed before placing into service.

NOTE: Only products bearing the NSF Mark on the product, product packaging, and/or documentation shipped with the product are Certified.

Facility : Weston, Ontario, Canada

Sodium Hydroxide

Trade Designation	*Product Function*	*Max Use*
CAUSTIC SODA 50% COMMERCIAL GRADE	Corrosion & Scale Control pH Adjustment	100mg/L
CAUSTIC SODA 50% MEMBRANE GRADE	Corrosion & Scale Control pH Adjustment	100mg/L
CAUSTIC SODA 50% SOLUTION	Corrosion & Scale Control pH Adjustment	100mg/L
SODIUM HYDROXIDE 50% SOLLUTION	Corrosion & Scale Control pH Adjustment	100mg/L

NOTE: Only products bearing the NSF Mark on the product, product packaging, and/or documentation shipped with the product are NSF Certified.

Facility : Winnipeg, Manitoba, Canada

Sodium Hydroxide

Trade Designation	*Product Function*	*Max Use*
Caustic Soda 25% Solution	Corrosion & Scale Control pH Adjustment	200mg/L
Caustic Soda 25%, Commercial Grade	Corrosion & Scale Control pH Adjustment	200mg/L
Caustic Soda 25%, Membrane Grade	Corrosion & Scale Control pH Adjustment	200mg/L
Caustic Soda 50% Solution	Corrosion & Scale Control pH Adjustment	100mg/L
Caustic Soda Solution 50%, Commercial Grade	Corrosion & Scale Control pH Adjustment	100mg/L
Caustic Soda Solution 50%, Membrane Grade	Corrosion & Scale Control pH Adjustment	100mg/L
Sodium Hydroxide 25% Solution	Corrosion & Scale Control pH Adjustment	200mg/L
Sodium Hydroxide 50% Solution	Corrosion & Scale Control pH Adjustment	100mg/L

NOTE: Only products bearing the NSF Mark on the product, product packaging, and/or documentation shipped with the product are Certified.

Facility : Winnipeg, Manitoba, Canada

Sodium Hydroxide

Trade Designation	*Product Function*	*Max Use*
Caustic Soda 25% Solution	Corrosion & Scale Control pH Adjustment	200mg/L
Caustic Soda 50% Solution	Corrosion & Scale Control pH Adjustment	100mg/L
Sodium Hydroxide 25% Solution	Corrosion & Scale Control pH Adjustment	200mg/L
Sodium Hydroxide 50% Solution	Corrosion & Scale Control pH Adjustment	100mg/L

Univar Solutions USA

3075 Highland Parkway
Suite 200
Downers Grove, IL 60515
United States
425-889-3400

Facility : # 1 Distribution Center - Richmond, CA

Sodium Hydroxide

Trade Designation	*Product Function*	*Max Use*
Caustic Soda 10%	pH Adjustment	500mg/L
Caustic Soda 13%	pH Adjustment	384mg/L
Caustic Soda 15%	pH Adjustment	333mg/L
Caustic Soda 20%	pH Adjustment	250mg/L
Caustic Soda 25%	pH Adjustment	200mg/L
Caustic Soda 30%	pH Adjustment	165mg/L
Caustic Soda 50%	pH Adjustment	100mg/L
Sodium Hydroxide 10%	pH Adjustment	500mg/L
Sodium Hydroxide 13%	pH Adjustment	384mg/L
Sodium Hydroxide 15%	pH Adjustment	333mg/L
Sodium Hydroxide 20%	pH Adjustment	250mg/L
Sodium Hydroxide 25%	pH Adjustment	200mg/L
Sodium Hydroxide 30%	pH Adjustment	165mg/L
Sodium Hydroxide 50%	pH Adjustment	100mg/L

NOTE: Only products bearing the "NSF 60" designation are Certified by NSF International.

Facility : # 1 St. Louis, MO

Sodium Hydroxide

Trade Designation	*Product Function*	*Max Use*
Caustic Soda 50%	Corrosion & Scale Control pH Adjustment	100mg/L
Sodium Hydroxide	Corrosion & Scale Control pH Adjustment	100mg/L
Sodium Hydroxide 50%	Corrosion & Scale Control pH Adjustment	100mg/L

NOTE: Only products bearing the "NSF 60" designation are Certified by NSF International.

Facility : # 2 St. Louis, MO

Sodium Hydroxide

Trade Designation	*Product Function*	*Max Use*
Caustic Soda 20%	Corrosion & Scale Control pH Adjustment	250mg/L
Caustic Soda 25%	Corrosion & Scale Control pH Adjustment	200mg/L
Caustic Soda 30% Solution	Corrosion & Scale Control pH Adjustment	165mg/L
Caustic Soda 50% Solution	Corrosion & Scale Control pH Adjustment	100mg/L
Sodium Hydroxide	Corrosion & Scale Control pH Adjustment	100mg/L
Sodium Hydroxide - 50%	Corrosion & Scale Control pH Adjustment	100mg/L
Sodium Hydroxide 20%	Corrosion & Scale Control pH Adjustment	250mg/L
Sodium Hydroxide 25%	Corrosion & Scale Control pH Adjustment	200mg/L
Sodium Hydroxide 30%	Corrosion & Scale Control pH Adjustment	165mg/L

Facility : # 2 Distribution Center - Toledo, OH

Sodium Hydroxide

Trade Designation	*Product Function*	*Max Use*
Caustic Soda 50%	Corrosion Control pH Adjustment	100mg/L
Sodium Hydroxide 50%	Corrosion Control pH Adjustment	100mg/L

NOTE: Only products bearing the "NSF 60" designation are Certified by NSF International.

Facility : Chickasaw, AL

Sodium Hydroxide

Trade Designation	*Product Function*	*Max Use*

Caustic Soda 20%	Corrosion & Scale Control pH Adjustment	250mg/L
Caustic Soda 25%	Corrosion & Scale Control pH Adjustment	200mg/L
Caustic Soda 30%	Corrosion & Scale Control pH Adjustment	165mg/L
Caustic Soda 50%	Corrosion & Scale Control pH Adjustment	100mg/L
Sodium Hydroxide 20%	Corrosion & Scale Control pH Adjustment	250mg/L
Sodium Hydroxide 25%	Corrosion & Scale Control pH Adjustment	200mg/L
Sodium Hydroxide 30%	Corrosion & Scale Control pH Adjustment	165mg/L
Sodium Hydroxide 50%	Corrosion & Scale Control pH Adjustment	100mg/L

Facility : Distribution Center - Glendale, AZ

Sodium Hydroxide

Trade Designation	*Product Function*	*Max Use*
Caustic Soda 50%	pH Adjustment Corrosion & Scale Control	100mg/L
Sodium Hydroxide 50%	pH Adjustment Corrosion & Scale Control	100mg/L

Facility : Distribution Center - Phoenix 27th Ave., AZ

Sodium Hydroxide

Trade Designation	*Product Function*	*Max Use*
Caustic Soda 15%	pH Adjustment	333mg/L
Caustic Soda 20%	pH Adjustment	250mg/L
Caustic Soda 25%	pH Adjustment	200mg/L
Caustic Soda 30%	pH Adjustment	165mg/L
Caustic Soda 50%	pH Adjustment	100mg/L

NOTE: Only products bearing the "NSF 60" designation are Certified by NSF International.

Facility : North Little Rock, AR

Sodium Hydroxide

Trade Designation	*Product Function*	*Max Use*
Caustic Soda 25%	Corrosion & Scale Control Sequestering	200mg/L
Caustic Soda 50%	Corrosion & Scale Control Sequestering	100mg/L
Sodium Hydroxide 25%	Corrosion & Scale Control Sequestering	200mg/L
Sodium Hydroxide 50%	Corrosion & Scale Control Sequestering	100mg/L

Facility : Commerce, CA

Sodium Hydroxide

Trade Designation	*Product Function*	*Max Use*
Caustic Soda 15%	pH Adjustment	333mg/L
Caustic Soda 20%	pH Adjustment	250mg/L
Caustic Soda 25%	pH Adjustment	200mg/L
Caustic Soda 30%	pH Adjustment	165mg/L
Caustic Soda 32%	pH Adjustment	156mg/L
Caustic Soda 50%	pH Adjustment	100mg/L
Sodium Hydroxide 15%	pH Adjustment	333mg/L
Sodium Hydroxide 20%	pH Adjustment	250mg/L
Sodium Hydroxide 25%	pH Adjustment	200mg/L
Sodium Hydroxide 30%	pH Adjustment	165mg/L
Sodium Hydroxide 32%	pH Adjustment	156mg/L
Sodium Hydroxide 50%	pH Adjustment	100mg/L

NOTE: Only products bearing the "NSF 60" designation are Certified by NSF International.

Facility : Distribution Center - Wilmington, CA

Sodium Hydroxide

Trade Designation	*Product Function*	*Max Use*
Caustic Soda 15%	pH Adjustment	333mg/L
Caustic Soda 20%	pH Adjustment	250mg/L
Caustic Soda 25%	pH Adjustment	200mg/L
Caustic Soda 3%	pH Adjustment	1667mg/L

Caustic Soda 30%	pH Adjustment	165mg/L
Caustic Soda 50%	pH Adjustment	100mg/L
Sodium Hydroxide 15%	pH Adjustment	333mg/L
Sodium Hydroxide 20%	pH Adjustment	250mg/L
Sodium Hydroxide 25%	pH Adjustment	200mg/L
Sodium Hydroxide 3%	pH Adjustment	1667mg/L
Sodium Hydroxide 30%	pH Adjustment	165mg/L
Sodium Hydroxide 50%	pH Adjustment	100mg/L

NOTE: Only products bearing the "NSF 60" designation are Certified by NSF International.

Facility : Fresno, CA

Sodium Hydroxide

Trade Designation	*Product Function*	*Max Use*
Caustic Soda 50%	Corrosion & Scale Control pH Adjustment	100mg/L
Sodium Hydroxide	Corrosion & Scale Control pH Adjustment	100mg/L
Sodium Hydroxide 50%	Corrosion & Scale Control pH Adjustment	100mg/L

NOTE: Only products bearing the "NSF 60" designation are Certified by NSF International.

Facility : Redwood City, CA

Sodium Hydroxide

Trade Designation	*Product Function*	*Max Use*
Sodium Hydroxide 15%	pH Adjustment	333mg/L
Sodium Hydroxide 20%	pH Adjustment	250mg/L
Sodium Hydroxide 25%	pH Adjustment	200mg/L
Sodium Hydroxide 30%	pH Adjustment	165mg/L
Sodium Hydroxide 33%	pH Adjustment	152mg/L
Sodium Hydroxide 50%	pH Adjustment	100mg/L

NOTE: Only products bearing the "NSF 60" designation are Certified by NSF International.

Facility : San Pedro, CA

Sodium Hydroxide

Trade Designation	*Product Function*	*Max Use*
Caustic Soda 15%	pH Adjustment	333mg/L
Caustic Soda 20%	pH Adjustment	250mg/L
Caustic Soda 25%	pH Adjustment	200mg/L
Caustic Soda 3%	pH Adjustment	1667mg/L
Caustic Soda 30%	pH Adjustment	165mg/L
Caustic Soda 50%	pH Adjustment	100mg/L
Sodium Hydroxide 15%	pH Adjustment	333mg/L
Sodium Hydroxide 20%	pH Adjustment	250mg/L
Sodium Hydroxide 25%	pH Adjustment	200mg/L
Sodium Hydroxide 3%	pH Adjustment	1667mg/L
Sodium Hydroxide 30%	pH Adjustment	165mg/L
Sodium Hydroxide 50%	pH Adjustment	165mg/L

NOTE: Only products bearing the "NSF 60" designation are Certified by NSF International.

Facility : Santa Fe Springs, CA

Sodium Hydroxide

Trade Designation	*Product Function*	*Max Use*
Caustic Soda 15%	pH Adjustment	333mg/L
Caustic Soda 20%	pH Adjustment	250mg/L
Caustic Soda 25%	pH Adjustment	200mg/L
Caustic Soda 30%	pH Adjustment	165mg/L
Caustic Soda 32%	pH Adjustment	156mg/L
Caustic Soda 50%	pH Adjustment	100mg/L
Sodium Hydroxide 15%	pH Adjustment	333mg/L
Sodium Hydroxide 20%	pH Adjustment	250mg/L
Sodium Hydroxide 25%	pH Adjustment	200mg/L
Sodium Hydroxide 30%	pH Adjustment	165mg/L
Sodium Hydroxide 32%	pH Adjustment	156mg/L
Sodium Hydroxide 50%	pH Adjustment	100mg/L

NOTE: Only products bearing the "NSF 60" designation are Certified by NSF International.

Facility : Visalia, CA

Sodium Hydroxide

Trade Designation	*Product Function*	*Max Use*
Caustic Soda 15%	pH Adjustment	333mg/L
Caustic Soda 20%	pH Adjustment	250mg/L
Caustic Soda 25%	pH Adjustment	200mg/L
Caustic Soda 30%	pH Adjustment	165mg/L
Caustic Soda 50%	pH Adjustment	100mg/L
Sodium Hydroxide 15%	pH Adjustment	333mg/L
Sodium Hydroxide 20%	pH Adjustment	250mg/L
Sodium Hydroxide 25%	pH Adjustment	200mg/L
Sodium Hydroxide 30%	pH Adjustment	165mg/L
Sodium Hydroxide 50%	pH Adjustment	100mg/L

NOTE: Only products bearing the "NSF 60" designation are Certified by NSF International.

Facility : Denver, CO

Sodium Hydroxide

Trade Designation	*Product Function*	*Max Use*
Caustic Soda 15%	pH Adjustment	333mg/L
Caustic Soda 20%	pH Adjustment	250mg/L
Caustic Soda 25%	pH Adjustment	200mg/L
Caustic Soda 30%	pH Adjustment	165mg/L
Caustic Soda 50%	pH Adjustment	100mg/L

NOTE: Only products bearing the "NSF 60" designation are Certified by NSF International.

Facility : Distribution Center - Fort Lauderdale, FL

Sodium Hydroxide

Trade Designation	*Product Function*	*Max Use*
Caustic Soda 25%	Corrosion & Scale Control	200mg/L
Caustic Soda 50%	Corrosion & Scale Control	100mg/L
Sodium Hydroxide 25%	Corrosion & Scale Control	200mg/L
Sodium Hydroxide 50%	Corrosion & Scale Control	100mg/L

NOTE: Only products bearing the NSF Mark on the product, product packaging, and/or documentation shipped with the product are Certified.

Facility : Distribution Center - Jacksonville Contanda Terminal, FL

Sodium Hydroxide

Trade Designation	*Product Function*	*Max Use*
Caustic Soda 15%	Corrosion & Scale Control pH Adjustment	333mg/L
Caustic Soda 20%	Corrosion & Scale Control pH Adjustment	250mg/L
Caustic Soda 25%	Corrosion & Scale Control pH Adjustment	200mg/L
Caustic Soda 30%	Corrosion & Scale Control pH Adjustment	165mg/L
Caustic Soda 50%	Corrosion & Scale Control pH Adjustment	100mg/L
Sodium Hydroxide 15%	Corrosion & Scale Control pH Adjustment	333mg/L
Sodium Hydroxide 20%	Corrosion & Scale Control pH Adjustment	250mg/L
Sodium Hydroxide 25%	Corrosion & Scale Control pH Adjustment	200mg/L
Sodium Hydroxide 30%	Corrosion & Scale Control pH Adjustment	165mg/L
Sodium Hydroxide 50%	Corrosion & Scale Control pH Adjustment	100mg/L

NOTE: Only products bearing the "NSF 60" designation are Certified by NSF International.

Facility : Distribution Center - Tampa, FL

Sodium Hydroxide

Trade Designation	*Product Function*	*Max Use*
Caustic Soda 25%	Corrosion & Scale Control pH Adjustment	200mg/L
Caustic Soda 50%	Corrosion & Scale Control pH Adjustment	100mg/L
Sodium Hydroxide 25%	Corrosion & Scale Control pH Adjustment	200mg/L
Sodium Hydroxide 50%	Corrosion & Scale Control pH Adjustment	100mg/L

Facility : Tampa, FL

Sodium Hydroxide

Trade Designation	*Product Function*	*Max Use*
Caustic Soda 20%	Corrosion & Scale Control	250mg/L
Caustic Soda 25%	Corrosion & Scale Control	200mg/L
Caustic Soda 50%	Corrosion & Scale Control	100mg/L
Sodium Hydroxide 20%	Corrosion & Scale Control	250mg/L
Sodium Hydroxide 25%	Corrosion & Scale Control	200mg/L
Sodium Hydroxide 50%	Corrosion & Scale Control	100mg/L

NOTE: Only products bearing the "NSF 60" designation are Certified by NSF International.

Facility : Distribution Center - Brunswick, GA

Sodium Hydroxide

Trade Designation	*Product Function*	*Max Use*
Caustic Soda 15%	pH Adjustment Corrosion & Scale Control	333mg/L
Caustic Soda 20%	Corrosion & Scale Control pH Adjustment	250mg/L
Caustic Soda 25%	Corrosion & Scale Control pH Adjustment	200mg/L
Caustic Soda 30%	Corrosion & Scale Control pH Adjustment	165mg/L
Caustic Soda 50%	Corrosion & Scale Control pH Adjustment	100mg/L
Sodium Hydroxide 15%	Corrosion & Scale Control pH Adjustment	333mg/L
Sodium Hydroxide 20%	Corrosion & Scale Control pH Adjustment	250mg/L
Sodium Hydroxide 25%	Corrosion & Scale Control pH Adjustment	200mg/L
Sodium Hydroxide 30%	Corrosion & Scale Control pH Adjustment	165mg/L
Sodium Hydroxide 50%	Corrosion & Scale Control pH Adjustment	100mg/L

NOTE: Only products bearing the "NSF 60" designation are Certified by NSF International.

Facility : Distribution Center - Dallas, GA

Sodium Hydroxide

Trade Designation	*Product Function*	*Max Use*
Sodium Hydroxide 15%	pH Adjustment	333mg/L
Sodium Hydroxide 20%	pH Adjustment	250mg/L
Sodium Hydroxide 25%	pH Adjustment	200mg/L
Sodium Hydroxide 30%	pH Adjustment	165mg/L
Sodium Hydroxide 50%	pH Adjustment	100mg/L

NOTE: Only products bearing the "NSF 60" designation are Certified by NSF International.

Facility : Distribution Center - Savannah, GA

Sodium Hydroxide

Trade Designation	*Product Function*	*Max Use*
Basicphresh 50 - Caustic Soda 50% NaOH Bulk	Corrosion & Scale Control pH Adjustment	100mg/L
Caustic Soda 15%	Corrosion & Scale Control pH Adjustment	333mg/L
Caustic Soda 20%	Corrosion & Scale Control pH Adjustment	250mg/L
Caustic Soda 25%	Corrosion & Scale Control pH Adjustment	200mg/L
Caustic Soda 30%	Corrosion & Scale Control pH Adjustment	165mg/L
Caustic Soda 50%	Corrosion & Scale Control pH Adjustment	100mg/L
Sodium Hydroxide 15%	Corrosion & Scale Control pH Adjustment	333mg/L
Sodium Hydroxide 20%	Corrosion & Scale Control pH Adjustment	250mg/L
Sodium Hydroxide 25%	Corrosion & Scale Control pH Adjustment	200mg/L
Sodium Hydroxide 30%	Corrosion & Scale Control pH Adjustment	165mg/L
Sodium Hydroxide 50%	Corrosion & Scale Control pH Adjustment	100mg/L

NOTE: Only products bearing the "NSF 60" designation are NSF Certified.

Facility : Norcross, GA

Sodium Hydroxide

Trade Designation	*Product Function*	*Max Use*
Caustic Soda 20%	Corrosion & Scale Control pH Adjustment	250mg/L
Caustic Soda 25%	Corrosion & Scale Control pH Adjustment	200mg/L
Caustic Soda 32%	Corrosion Control pH Adjustment	156mg/L
Caustic Soda 50%	Corrosion Control pH Adjustment	100mg/L
Sodium Hydroxide 20%	Corrosion & Scale Control pH Adjustment	250mg/L
Sodium Hydroxide 25%	Corrosion & Scale Control pH Adjustment	200mg/L
Sodium Hydroxide 30-49%	Corrosion Control pH Adjustment	100mg/L
Sodium Hydroxide 32%	Corrosion Control pH Adjustment	156mg/L
Sodium Hydroxide 50%	Corrosion Control pH Adjustment	100mg/L
Weak Caustic	Corrosion Control pH Adjustment	100mg/L

NOTE: Only products bearing the "NSF 60" designation are Certified by NSF International.

Facility : Distribution Center - Nampa, ID

Sodium Hydroxide

Trade Designation	*Product Function*	*Max Use*
Caustic Soda 25%	pH Adjustment Corrosion & Scale Control	200mg/L
Caustic Soda 50%	pH Adjustment Corrosion & Scale Control	100mg/L

Sodium Hydroxide 25%	pH Adjustment Corrosion & Scale Control	200mg/L
Sodium Hydroxide 50%	pH Adjustment Corrosion & Scale Control	100mg/L

NOTE: Only products bearing the "NSF 60" designation are Certified by NSF International.

Facility : Bedford Park, IL

Sodium Hydroxide

Trade Designation	*Product Function*	*Max Use*
Caustic Soda 15%	pH Adjustment	333mg/L
Caustic Soda 20%	pH Adjustment	250mg/L
Caustic Soda 25%	pH Adjustment	200mg/L
Caustic Soda 30%	pH Adjustment	165mg/L
Caustic Soda 35%	pH Adjustment	143mg/L
Caustic Soda 50%	pH Adjustment	100mg/L

NOTE: Only products bearing the "NSF 60" designation are Certified by NSF International.

Facility : Distribution Center - Argo, IL

Sodium Hydroxide

Trade Designation	*Product Function*	*Max Use*
Caustic Soda 15%	pH Adjustment	333mg/L
Caustic Soda 17%	pH Adjustment	294mg/L
Caustic Soda 20%	pH Adjustment	250mg/L
Caustic Soda 25%	pH Adjustment	200mg/L
Caustic Soda 30%	pH Adjustment	165mg/L
Caustic Soda 50%	pH Adjustment	100mg/L
Sodium Hydroxide 15%	pH Adjustment	333mg/L
Sodium Hydroxide 17%	pH Adjustment	294mg/L
Sodium Hydroxide 20%	pH Adjustment	250mg/L
Sodium Hydroxide 25%	pH Adjustment	200mg/L
Sodium Hydroxide 30%	pH Adjustment	165mg/L
Sodium Hydroxide 50%	pH Adjustment	100mg/L

Facility : Distribution Center - Sauget, IL

Sodium Hydroxide

Trade Designation	*Product Function*	*Max Use*
Caustic Soda 20%	Corrosion & Scale Control pH Adjustment	250mg/L
Caustic Soda 25%	Corrosion & Scale Control pH Adjustment	200mg/L
Caustic Soda 30%	Corrosion & Scale Control pH Adjustment	165mg/L
Caustic Soda 50%	Corrosion & Scale Control pH Adjustment	100mg/L
Sodium Hydroxide	Corrosion & Scale Control pH Adjustment	100mg/L
Sodium Hydroxide 20%	Corrosion & Scale Control pH Adjustment	250mg/L
Sodium Hydroxide 25%	Corrosion & Scale Control pH Adjustment	200mg/L
Sodium Hydroxide 30%	Corrosion & Scale Control pH Adjustment	165mg/L
Sodium Hydroxide 50%	Corrosion & Scale Control pH Adjustment	100mg/L

NOTE: Only products bearing the "NSF 60" designation are Certified by NSF International.

Facility : Willow Springs, IL

Sodium Hydroxide

Trade Designation	*Product Function*	*Max Use*
Caustic Soda 15%	Corrosion Control pH Adjustment	333mg/L
Caustic Soda 20%	Corrosion Control pH Adjustment	250mg/L
Caustic Soda 25%	Corrosion Control pH Adjustment	200mg/L
Caustic Soda 30%	Corrosion Control pH Adjustment	165mg/L
Caustic Soda 50%	Corrosion Control pH Adjustment	100mg/L
Sodium Hydroxide 15%	Corrosion & Scale Control pH Adjustment	333mg/L

Sodium Hydroxide 20%	Corrosion & Scale Control pH Adjustment	250mg/L
Sodium Hydroxide 25%	Corrosion & Scale Control pH Adjustment	200mg/L
Sodium Hydroxide 30%	Corrosion & Scale Control pH Adjustment	165mg/L
Sodium Hydroxide 50%	Corrosion & Scale Control pH Adjustment	100mg/L

NOTE: Only products bearing the NSF Mark on the product, product packaging, and/or documentation shipped with the product are Certified.

Facility : Kansas City, KS

Sodium Hydroxide

Trade Designation	*Product Function*	*Max Use*
Caustic Soda 25%	Corrosion & Scale Control pH Adjustment	200mg/L
Caustic Soda 30%	Corrosion & Scale Control pH Adjustment	165mg/L
Caustic Soda 50%	Corrosion & Scale Control pH Adjustment	100mg/L
Sodium Hydroxide 25%	Corrosion & Scale Control pH Adjustment	200mg/L
Sodium Hydroxide 30%	Corrosion & Scale Control pH Adjustment	165mg/L
Sodium Hydroxide 50%	Corrosion & Scale Control pH Adjustment	100mg/L

NOTE: Only products bearing the "NSF 60" designation are Certified by NSF International.

Facility : Distribution Center, Geismar, LA

Sodium Hydroxide

Trade Designation	*Product Function*	*Max Use*
Caustic Soda 25%	pH Adjustment Corrosion & Scale Control	200mg/L
Caustic Soda 50%	pH Adjustment Corrosion & Scale Control	100mg/L

Sodium Hydroxide 25%	pH Adjustment Corrosion & Scale Control	200mg/L
Sodium Hydroxide 50%	pH Adjustment Corrosion & Scale Control	100mg/L

NOTE: Only products bearing the "NSF 60" designation are Certified by NSF International.

Facility : Geismar Highway 75, LA

Sodium Hydroxide

Trade Designation	*Product Function*	*Max Use*
Caustic Soda 50%	Corrosion & Scale Control	100mg/L

NOTE: Only products bearing the "NSF 60" designation are Certified by NSF International.

Facility : Baltimore, MD

Sodium Hydroxide

Trade Designation	*Product Function*	*Max Use*
Basicphresh 50 - Caustic Soda 50% NaOH Bulk	Corrosion & Scale Control pH Adjustment	100mg/L
Caustic Soda 10%	Corrosion & Scale Control pH Adjustment	500mg/L
Caustic Soda 15%	Corrosion & Scale Control pH Adjustment	333mg/L
Caustic Soda 20%	Corrosion & Scale Control pH Adjustment	250mg/L
Caustic Soda 25%	Corrosion & Scale Control pH Adjustment	200mg/L
Caustic Soda 30%	Corrosion & Scale Control pH Adjustment	165mg/L
Caustic Soda 35%	Corrosion & Scale Control pH Adjustment	143mg/L
Caustic Soda 50%	Corrosion & Scale Control pH Adjustment	100mg/L
Sodium Hydroxide 10%	Corrosion & Scale Control pH Adjustment	500mg/L
Sodium Hydroxide 15%	Corrosion & Scale Control pH Adjustment	333mg/L

Sodium Hydroxide 20%	Scale Control pH Adjustment	250mg/L
Sodium Hydroxide 25%	Corrosion & Scale Control pH Adjustment	200mg/L
Sodium Hydroxide 30%	Corrosion & Scale Control pH Adjustment	165mg/L
Sodium Hydroxide 35%	Corrosion & Scale Control pH Adjustment	143mg/L
Sodium Hydroxide 50%	Corrosion & Scale Control pH Adjustment	100mg/L

NOTE: Only products bearing the "NSF 60" designation are Certified by NSF International.

Facility : St. Paul Terrace Court, MN

Sodium Hydroxide

Trade Designation	*Product Function*	*Max Use*
Caustic Soda 20%	pH Adjustment Corrosion & Scale Control	250mg/L
Caustic Soda 25%	Corrosion & Scale Control pH Adjustment	200mg/L
Caustic Soda 30%	Corrosion & Scale Control pH Adjustment	165mg/L
Caustic Soda 50%	Corrosion & Scale Control pH Adjustment	100mg/L
NaOH 20%	pH Adjustment Corrosion & Scale Control	250mg/L
NaOH 25%	Corrosion & Scale Control pH Adjustment	200mg/L
NaOH 30%	Corrosion & Scale Control pH Adjustment	165mg/L
NaOH 50%	Corrosion & Scale Control pH Adjustment	100mg/L
Sodium Hydroxide 20%	pH Adjustment Corrosion & Scale Control	250mg/L
Sodium Hydroxide 25%	Corrosion & Scale Control pH Adjustment	200mg/L
Sodium Hydroxide 30%	Corrosion & Scale Control pH Adjustment	165mg/L
Sodium Hydroxide 50%	Corrosion & Scale Control pH Adjustment	100mg/L

NOTE: Only products bearing the "NSF 60" designation are Certified by NSF International.

Facility : Distribution Center - Omaha, NE

Sodium Hydroxide

Trade Designation	*Product Function*	*Max Use*
Caustic Soda 20%	Corrosion & Scale Control pH Adjustment	250mg/L
Caustic Soda 30%	pH Adjustment Corrosion & Scale Control	165mg/L
Caustic Soda 50%	Corrosion & Scale Control pH Adjustment	100mg/L
Sodium Hydroxide 20%	Corrosion & Scale Control pH Adjustment	250mg/L
Sodium Hydroxide 30%	pH Adjustment Corrosion & Scale Control	165mg/L
Sodium Hydroxide 50%	pH Adjustment Corrosion & Scale Control	100mg/L

NOTE: Only products bearing the "NSF 60" designation are Certified by NSF International.

Facility : Distribution Center - South Sioux City, NE

Sodium Hydroxide

Trade Designation	*Product Function*	*Max Use*
Caustic Soda 25%	pH Adjustment Corrosion & Scale Control	200mg/L
Caustic Soda 30%	pH Adjustment Corrosion & Scale Control	165mg/L
Caustic Soda 50%	pH Adjustment Corrosion & Scale Control	100mg/L
Sodium Hydroxide 25%	pH Adjustment Corrosion & Scale Control	200mg/L
Sodium Hydroxide 30%	pH Adjustment Corrosion & Scale Control	165mg/L
Sodium Hydroxide 50%	pH Adjustment Corrosion & Scale Control	100mg/L

NOTE: Only products bearing the "NSF 60" designation are Certified by NSF International

Facility : Distribution Center - Carteret, NJ

Sodium Hydroxide

Trade Designation	*Product Function*	*Max Use*
Caustic Soda 15%	pH Adjustment	333mg/L
Caustic Soda 20%	pH Adjustment	250mg/L
Caustic Soda 25%	pH Adjustment	200mg/L
Caustic Soda 30%	pH Adjustment	165mg/L
Caustic Soda 50%	pH Adjustment	100mg/L
Sodium Hydroxide 15%	pH Adjustment	333mg/L
Sodium Hydroxide 20%	pH Adjustment	250mg/L
Sodium Hydroxide 25%	pH Adjustment	200mg/L
Sodium Hydroxide 30%	pH Adjustment	165mg/L
Sodium Hydroxide 50%	pH Adjustment	100mg/L

NOTE: Only products bearing the "NSF 60" designation are Certified by NSF International.

Facility : Distribution Terminal - Albuquerque, NM

Sodium Hydroxide

Trade Designation	*Product Function*	*Max Use*
Caustic Soda 50%	Corrosion & Scale Control	100mg/L
Sodium Hydroxide 50%	Corrosion & Scale Control	100mg/L

NOTE: Only products bearing the "NSF 60" designation are Certified by NSF International.

Facility : Geneva, NY

Sodium Hydroxide

Trade Designation	*Product Function*	*Max Use*
Caustic Soda 25%	Corrosion & Scale Control pH Adjustment	200mg/L
Caustic Soda 50%	Corrosion & Scale Control pH Adjustment	100mg/L
Sodium Hydroxide	Corrosion & Scale Control pH Adjustment	100mg/L

Sodium Hydroxide 50%	Corrosion & Scale Control pH Adjustment	100mg/L

NOTE: Only products bearing the "NSF 60" designation are Certified by NSF International.

Facility : Charlotte, NC

Sodium Hydroxide

Trade Designation	*Product Function*	*Max Use*
Caustic Soda 25%	Corrosion Control pH Adjustment	200mg/L
Caustic Soda 32%	Corrosion Control pH Adjustment	156mg/L
Caustic Soda 50%	Corrosion Control pH Adjustment	100 mg/L
Sodium Hydroxide 25%	Corrosion Control pH Adjustment	200mg/L
Sodium Hydroxide 32%	Corrosion Control pH Adjustment	156mg/L
Sodium Hydroxide 50%	Corrosion Control pH Adjustment	100 mg/L

NOTE: Only products bearing the "NSF 60" designation are Certified by NSF International.

Facility : Wilmington, NC

Sodium Hydroxide

Trade Designation	*Product Function*	*Max Use*
Basicphresh 50 - Caustic Soda 50% NaOH Bulk	pH Adjustment	100mg/L
Caustic Soda 15%	pH Adjustment	333mg/L
Caustic Soda 20%	pH Adjustment	250mg/L
Caustic Soda 25%	pH Adjustment	200mg/L
Caustic Soda 30%	pH Adjustment	165mg/L
Caustic Soda 50%	pH Adjustment	100mg/L
Sodium Hydroxide 15%	pH Adjustment	333mg/L
Sodium Hydroxide 20%	pH Adjustment	250mg/L
Sodium Hydroxide 25%	pH Adjustment	200mg/L
Sodium Hydroxide 30%	pH Adjustment	165mg/L
Sodium Hydroxide 50%	pH Adjustment	100mg/L

Facility : Distribution Center - Grand Forks, ND

Sodium Hydroxide

Trade Designation	*Product Function*	*Max Use*
Caustic Soda 50%	Corrosion & Scale Control	100mg/L
Sodium Hydroxide 50%	Corrosion & Scale Control	100mg/L

NOTE: Only products bearing the "NSF 60" designation are Certified by NSF International.

Facility : Distribution Center - Cincinnati, OH

Sodium Hydroxide

Trade Designation	*Product Function*	*Max Use*
Basicphresh 50 - Caustic Soda 50% NaOH Bulk	Corrosion & Scale Control pH Adjustment	100mg/L
Caustic Soda 10%	Corrosion & Scale Control pH Adjustment	500mg/L
Caustic Soda 12.5%	Corrosion & Scale Control pH Adjustment	400mg/L
Caustic Soda 20%	Corrosion & Scale Control pH Adjustment	250mg/L
Caustic Soda 25%	Corrosion & Scale Control pH Adjustment	200mg/L
Caustic Soda 30%	Corrosion & Scale Control pH Adjustment	165mg/L
Caustic Soda 35%	Corrosion & Scale Control pH Adjustment	143mg/L
Caustic Soda 50%	Corrosion & Scale Control pH Adjustment	100mg/L
Sodium Hydroxide 50%	Corrosion & Scale Control pH Adjustment	100mg/L

NOTE: Only products bearing the "NSF 60" designation are Certified by NSF International.

Facility : Distribution Center - Walbridge, OH

Sodium Hydroxide

Trade Designation	*Product Function*	*Max Use*
Caustic Soda 25%	Corrosion & Scale Control pH Adjustment	200mg/L
Caustic Soda 35%	Corrosion & Scale Control pH Adjustment	143mg/L
Caustic Soda 50%	Corrosion & Scale Control pH Adjustment	100mg/L
Sodium Hydroxide 25%	Corrosion & Scale Control pH Adjustment	200mg/L
Sodium Hydroxide 35%	Corrosion & Scale Control pH Adjustment	143mg/L
Sodium Hydroxide 50%	Corrosion & Scale Control pH Adjustment	100mg/L

NOTE: Only products bearing the "NSF 60" designation are Certified by NSF International.

Facility : Portland, OR

Sodium Hydroxide

Trade Designation	*Product Function*	*Max Use*
Caustic Soda 15%	Corrosion & Scale Control	333mg/L
Caustic Soda 20%	Corrosion & Scale Control	250mg/L
Caustic Soda 25%	Corrosion & Scale Control	200mg/L
Caustic Soda 30%	Corrosion & Scale Control	165mg/L
Caustic Soda 33%	Corrosion & Scale Control	152mg/L
Caustic Soda 35%	Corrosion & Scale Control	143mg/L
Caustic Soda 50%	Corrosion & Scale Control	100mg/L
Vanblend LP 1422	Corrosion & Scale Control	200mg/L

NOTE: Only products bearing the "NSF 60" designation are Certified by NSF International.

Facility : Altoona, PA

Sodium Hydroxide

Trade Designation	*Product Function*	*Max Use*
Caustic Soda 10%	Corrosion & Scale Control pH Adjustment	500mg/L

Caustic Soda 20%	Corrosion & Scale Control pH Adjustment	250mg/L
Caustic Soda 25%	Corrosion & Scale Control pH Adjustment	200mg/L
Caustic Soda 35%	Corrosion & Scale Control pH Adjustment	143mg/L
Caustic Soda 50%	Corrosion & Scale Control pH Adjustment	100mg/L

NOTE: Only products bearing the "NSF 60" designation are Certified by NSF International.

Facility : Bunola, PA

Sodium Hydroxide

Trade Designation	*Product Function*	*Max Use*
Caustic Soda 10%	Corrosion & Scale Control pH Adjustment	500mg/L
Caustic Soda 20%	Corrosion & Scale Control pH Adjustment	250mg/L
Caustic Soda 25%	Corrosion & Scale Control pH Adjustment	200mg/L
Caustic Soda 30%	Corrosion & Scale Control pH Adjustment	165mg/L
Caustic Soda 35%	Corrosion & Scale Control pH Adjustment	143mg/L
Caustic Soda 40%	Corrosion & Scale Control pH Adjustment	125mg/L
Caustic Soda 50%	Corrosion & Scale Control pH Adjustment	100mg/L

NOTE: Only products bearing the "NSF 60" designation are Certified by NSF International.

Facility : Distribution Center - Morrisville Steel Road, PA

Sodium Hydroxide

Trade Designation	*Product Function*	*Max Use*
Caustic Soda 15%	pH Adjustment	333mg/L
Caustic Soda 19%	pH Adjustment	263mg/L
Caustic Soda 20%	pH Adjustment	250mg/L

Caustic Soda 25%	pH Adjustment	200mg/L
Caustic Soda 30%	pH Adjustment	165mg/L
Caustic Soda 50%	pH Adjustment	100mg/L

NOTE: Only products bearing the "NSF 60" designation are Certified by NSF International.

Facility : Distribution Center - Philadelphia, PA

Sodium Hydroxide

Trade Designation	*Product Function*	*Max Use*
Caustic Soda 15%	pH Adjustment	333mg/L
Caustic Soda 18%	pH Adjustment	277mg/L
Caustic Soda 20%	pH Adjustment	250mg/L
Caustic Soda 25%	pH Adjustment	200mg/L
Caustic Soda 30%	pH Adjustment	165mg/L
Caustic Soda 32%	pH Adjustment	156mg/L
Caustic Soda 50%	pH Adjustment	100mg/L
Sodium Hydroxide 15%	pH Adjustment	333mg/L
Sodium Hydroxide 18%	pH Adjustment	277mg/L
Sodium Hydroxide 20%	pH Adjustment	250mg/L
Sodium Hydroxide 25%	pH Adjustment	200mg/L
Sodium Hydroxide 30%	pH Adjustment	165mg/L
Sodium Hydroxide 32%	pH Adjustment	156mg/L
Sodium Hydroxide 50%	pH Adjustment	100mg/L

NOTE: Only products bearing the "NSF 60" designation are Certified by NSF International.

Facility : Middletown, PA

Sodium Hydroxide

Trade Designation	*Product Function*	*Max Use*
Caustic Soda 10%	Corrosion & Scale Control pH Adjustment	500mg/L
Caustic Soda 20%	Corrosion & Scale Control pH Adjustment	250mg/L
Caustic Soda 25%	Corrosion & Scale Control pH Adjustment	200mg/L
Caustic Soda 35%	Corrosion & Scale Control pH Adjustment	143mg/L

Caustic Soda 50%	Corrosion & Scale Control pH Adjustment	100mg/L
Caustic Soda 7%	Corrosion & Scale Control	700mg/L
Sodium Hydroxide 10%	Corrosion & Scale Control pH Adjustment	500mg/L
Sodium Hydroxide 20%	Corrosion & Scale Control pH Adjustment	250mg/L
Sodium Hydroxide 25%	Corrosion & Scale Control pH Adjustment	200mg/L
Sodium Hydroxide 35%	Corrosion & Scale Control pH Adjustment	143mg/L
Sodium Hydroxide 50%	Corrosion & Scale Control pH Adjustment	100mg/L
Sodium Hydroxide 7%	Corrosion & Scale Control pH Adjustment	700mg/L

NOTE: Only products bearing the "NSF 60" designation are Certified by NSF International.

Facility : Morrisville, PA

Sodium Hydroxide

Trade Designation	*Product Function*	*Max Use*
Caustic Soda 25%	pH Adjustment	200mg/L
Caustic Soda 50%	pH Adjustment	100mg/L
Sodium Hydroxide 25%	pH Adjustment	200mg/L
Sodium Hydroxide 50%	pH Adjustment	100mg/L

NOTE: Only products bearing the "NSF 60" designation are Certified by NSF International.

Facility : Providence, RI

Sodium Hydroxide

Trade Designation	*Product Function*	*Max Use*
Caustic Soda 10% Solution	Corrosion & Scale Control pH Adjustment	500mg/L
Caustic Soda 25% Solution	Corrosion & Scale Control pH Adjustment	200mg/L
Caustic Soda 35% Solution	Corrosion & Scale Control pH Adjustment	143mg/L

Caustic Soda 50% Solution	Corrosion & Scale Control pH Adjustment	100mg/L

NOTE: Only products bearing the "NSF 60" designation are Certified by NSF International.

Facility : Spartanburg, SC

Sodium Hydroxide

Trade Designation	*Product Function*	*Max Use*
Caustic Soda 20%	Corrosion Control pH Adjustment	250 mg/L
Caustic Soda 25%	Corrosion Control pH Adjustment	200 mg/L
Caustic Soda 32%	Corrosion Control pH Adjustment	156mg/L
Caustic Soda 50%	Corrosion Control pH Adjustment	100 mg/L
Sodium Hydroxide 20%	Corrosion Control pH Adjustment	250 mg/L
Sodium Hydroxide 25%	Corrosion Control pH Adjustment	200 mg/L
Sodium Hydroxide 30-49%	Corrosion Control pH Adjustment	100mg/L
Sodium Hydroxide 32%	Corrosion Control pH Adjustment	156mg/L
Sodium Hydroxide 50%	Corrosion Control pH Adjustment	100 mg/L
Weak Caustic	Corrosion Control pH Adjustment	100mg/L

NOTE: Only products bearing the "NSF 60" designation are Certified by NSF International.

Facility : Chattanooga, TN

Sodium Hydroxide

Trade Designation	*Product Function*	*Max Use*
Caustic Soda 20%	pH Adjustment Corrosion & Scale Control	250mg/L

Caustic Soda 25%	pH Adjustment Corrosion & Scale Control	200mg/L
Caustic Soda 30%	pH Adjustment Corrosion & Scale Control	165mg/L
Caustic Soda 50%	pH Adjustment Corrosion & Scale Control	100mg/L
Sodium Hydroxide 20%	pH Adjustment Corrosion & Scale Control	250mg/L
Sodium Hydroxide 25%	pH Adjustment Corrosion & Scale Control	200mg/L
Sodium Hydroxide 30%	pH Adjustment Corrosion & Scale Control	165mg/L
Sodium Hydroxide 50%	pH Adjustment Corrosion & Scale Control	100mg/L

Facility : Memphis, TN

Sodium Hydroxide

Trade Designation	*Product Function*	*Max Use*
Caustic Soda 20%	pH Adjustment Corrosion Control	250mg/L
Caustic Soda 25%	pH Adjustment Corrosion Control	200mg/L
Caustic Soda 30%	pH Adjustment Corrosion Control	165mg/L
Caustic Soda 50%	pH Adjustment Corrosion Control	100mg/L
Sodium Hydroxide 20%	pH Adjustment Corrosion Control	250mg/L
Sodium Hydroxide 25%	pH Adjustment Corrosion Control	200mg/L
Sodium Hydroxide 30%	pH Adjustment Corrosion Control	165mg/L
Sodium Hydroxide 50%	pH Adjustment Corrosion Control	100mg/L

NOTE: Only products bearing the "NSF 60" designation are Certified by NSF International.

Facility : Borger, TX

Sodium Hydroxide

Trade Designation	*Product Function*	*Max Use*
Caustic Soda 25%	Corrosion & Scale Control pH Adjustment	200mg/L
Caustic Soda 50%	Corrosion & Scale Control pH Adjustment	100mg/L
Sodium Hydroxide 25%	Corrosion & Scale Control pH Adjustment	200mg/L
Sodium Hydroxide 50%	Corrosion & Scale Control pH Adjustment	100mg/L

NOTE: Only products bearing the "NSF 60" designation are Certified by NSF International.

Facility : Distribution Center - Houston, TX

Sodium Hydroxide

Trade Designation	*Product Function*	*Max Use*
Basicphresh 50 – Caustic Soda 50% NaOH Bulk	Corrosion & Scale Control pH Adjustment	100mg/L
Caustic Soda - 25%	Corrosion & Scale Control pH Adjustment	200mg/L
Caustic Soda - 50%	Corrosion & Scale Control pH Adjustment	100mg/L
Caustic Soda 20%	pH Adjustment Corrosion & Scale Control	250mg/L
Caustic Soda 27%	pH Adjustment Corrosion & Scale Control	185mg/L
Sodium Hydroxide	Corrosion & Scale Control pH Adjustment	100mg/L
Sodium Hydroxide - 25%	Corrosion & Scale Control pH Adjustment	200mg/L
Sodium Hydroxide - 50%	Corrosion & Scale Control pH Adjustment	100mg/L
Sodium Hydroxide 20%	pH Adjustment Corrosion & Scale Control	250mg/L
Sodium Hydroxide 27%	pH Adjustment Corrosion & Scale Control	185mg/L
Sodium Hydroxide Solution	pH Adjustment Corrosion & Scale Control	100mg/L

NOTE: Only products bearing the "NSF 60" designation are Certified by NSF International.

Facility : Distribution Center - Odessa, TX

Sodium Hydroxide

Trade Designation	*Product Function*	*Max Use*
Caustic Soda 20%	Corrosion & Scale Control pH Adjustment	250mg/L
Caustic Soda 25%	Corrosion & Scale Control pH Adjustment	200mg/L
Caustic Soda 50%	Corrosion & Scale Control pH Adjustment	100mg/L
Sodium Hydroxide 20%	Corrosion & Scale Control pH Adjustment	250mg/L
Sodium Hydroxide 25%	Corrosion & Scale Control pH Adjustment	200mg/L
Sodium Hydroxide 50%	Corrosion & Scale Control pH Adjustment	100mg/L

NOTE: Only products bearing the "NSF 60" designation are Certified by NSF International.

Facility : Salt Lake City, UT

Sodium Hydroxide

Trade Designation	*Product Function*	*Max Use*
Caustic Soda 25%	pH Adjustment	200mg/L
Caustic Soda 30%	pH Adjustment	165mg/L
Caustic Soda 35%	pH Adjustment	143mg/L
Caustic Soda 50%	pH Adjustment	100mg/L
Sodium Hydroxide 25%	pH Adjustment	200mg/L
Sodium Hydroxide 30%	pH Adjustment	165mg/L
Sodium Hydroxide 35%	pH Adjustment	143mg/L
Sodium Hydroxide 50%	pH Adjustment	100mg/L

NOTE: Only products bearing the "NSF 60" designation are Certified by NSF International.

Facility : Chester, VA

Sodium Hydroxide

Trade Designation	*Product Function*	*Max Use*
Caustic Soda 25%	Corrosion Control pH Adjustment	200mg/L
Caustic Soda 32%	Corrosion Control pH Adjustment	156mg/L
Caustic Soda 50%	Corrosion Control pH Adjustment	100mg/L
Sodium Hydroxide 25%	Corrosion Control pH Adjustment	200mg/L
Sodium Hydroxide 32%	Corrosion Control pH Adjustment	156mg/L
Sodium Hydroxide 50%	Corrosion Control pH Adjustment	100mg/L

NOTE: Only products bearing the "NSF 60" designation are Certified by NSF International.

Facility : Newport News, VA

Sodium Hydroxide

Trade Designation	*Product Function*	*Max Use*
Caustic Soda 20%	Corrosion & Scale Control pH Adjustment	250mg/L
Caustic Soda 25%	Corrosion & Scale Control pH Adjustment	200mg/L
Caustic Soda 32%	Corrosion & Scale Control pH Adjustment	156mg/L
Caustic Soda 50%	Corrosion & Scale Control pH Adjustment	100mg/L
Sodium Hydroxide 20%	Corrosion & Scale Control pH Adjustment	250mg/L
Sodium Hydroxide 25%	Corrosion & Scale Control pH Adjustment	200mg/L
Sodium Hydroxide 32%	Corrosion & Scale Control pH Adjustment	156mg/L
Sodium Hydroxide 50%	Corrosion & Scale Control pH Adjustment	100mg/L

NOTE: Only products bearing the "NSF 60" designation are Certified by NSF International.

Facility : Distribution Center - Vancouver, WA

Sodium Hydroxide

Trade Designation	*Product Function*	*Max Use*
Caustic Soda 15%	Corrosion & Scale Control	333mg/L
Caustic Soda 20%	Corrosion & Scale Control	250mg/L
Caustic Soda 25%	Corrosion & Scale Control	200mg/L
Caustic Soda 30%	Corrosion & Scale Control	165mg/L
Caustic Soda 50%	Corrosion & Scale Control	100mg/L
Sodium Hydroxide 15%	Corrosion & Scale Control	333mg/L
Sodium Hydroxide 20%	Corrosion & Scale Control	250mg/L
Sodium Hydroxide 25%	Corrosion & Scale Control	200mg/L
Sodium Hydroxide 30%	Corrosion & Scale Control	165mg/L
Sodium Hydroxide 50%	Corrosion & Scale Control	100mg/L

NOTE: Only products bearing the "NSF 60" designation are Certified by NSF International.

Facility : Distribution Center – Spokane, WA

Sodium Hydroxide

Trade Designation	*Product Function*	*Max Use*
Caustic Soda - 25%	pH Adjustment Corrosion & Scale Control	200mg/L
Caustic Soda - 50%	pH Adjustment Corrosion & Scale Control	100mg/L
Sodium Hydroxide - 25%	pH Adjustment Corrosion & Scale Control	200mg/L
Sodium Hydroxide - 50%	pH Adjustment Corrosion & Scale Control	100mg/L

NOTE: Only products bearing the "NSF 60" designation are Certified by NSF International.

Facility : Kent, WA

Sodium Hydroxide

Trade Designation	*Product Function*	*Max Use*
Caustic Soda 15%	Corrosion & Scale Control	333mg/L

Caustic Soda 20%	Corrosion & Scale Control	250mg/L
Caustic Soda 25%	Corrosion & Scale Control	200mg/L
Caustic Soda 30%	Corrosion & Scale Control	165mg/L
Caustic Soda 33%	Corrosion & Scale Control	152mg/L
Caustic Soda 35%	Corrosion & Scale Control	143mg/L
Caustic Soda 50%	Corrosion & Scale Control	100mg/L
Vanblend LP 1422	Corrosion & Scale Control	200mg/L

NOTE: Only products bearing the "NSF 60" designation are Certified by NSF International.

Facility : Cincinnati Dues Drive, OH

Sodium Hydroxide

Trade Designation	*Product Function*	*Max Use*
Caustic Soda 10%	Corrosion & Scale Control pH Adjustment	500mg/L
Caustic Soda 12.5%	Corrosion & Scale Control pH Adjustment	400mg/L
Caustic Soda 20%	Corrosion & Scale Control pH Adjustment	250mg/L
Caustic Soda 25%	Corrosion & Scale Control pH Adjustment	200mg/L
Caustic Soda 30%	Corrosion & Scale Control pH Adjustment	165mg/L
Caustic Soda 35%	Corrosion & Scale Control pH Adjustment	143mg/L
Caustic Soda 50%	Corrosion & Scale Control pH Adjustment	100mg/L

NOTE: Only products bearing the "NSF 60" designation are Certified by NSF International.

Facility : Dallas Bekay Street, TX

Sodium Hydroxide

Trade Designation	*Product Function*	*Max Use*
Basicphresh 50 – Caustic Soda 50% NaOH Bulk	pH Adjustment Corrosion Control	100mg/L
Caustic Soda 20%	Corrosion Control pH Adjustment	250mg/L

Caustic Soda 25%	Corrosion Control pH Adjustment	200mg/L
Caustic Soda 50%	Corrosion Control pH Adjustment	100mg/L
Sodium Hydroxide 20%	Corrosion Control pH Adjustment	250mg/L
Sodium Hydroxide 25%	Corrosion Control pH Adjustment	200mg/L
Sodium Hydroxide 50%	Corrosion Control pH Adjustment	100mg/L

NOTE: Only products bearing the "NSF 60" designation are Certified by NSF International.

Facility : Houston, TX

Sodium Hydroxide

Trade Designation	*Product Function*	*Max Use*
Caustic Soda 20%	Corrosion & Scale Control pH Adjustment	250 mg/L
Caustic Soda 25%	Corrosion & Scale Control pH Adjustment	200 mg/L
Caustic Soda 50%	Corrosion & Scale Control pH Adjustment	100 mg/L
Sodium Hydroxide 20%	Corrosion & Scale Control pH Adjustment	250 mg/L
Sodium Hydroxide 25%	Corrosion & Scale Control pH Adjustment	200 mg/L
Sodium Hydroxide 50%	Corrosion & Scale Control pH Adjustment	100 mg/L

NOTE: Only products bearing the "NSF 60" designation are Certified by NSF International.

Facility : Phoenix 45th Avenue, AZ

Sodium Hydroxide

Trade Designation	*Product Function*	*Max Use*
Caustic Soda 25%	pH Adjustment	200mg/L
Caustic Soda 50%	pH Adjustment	100mg/L

NOTE: Only products bearing the "NSF 60" designation are Certified by NSF International.

Univar Solutions USA Inc.

3075 Highland Parkway
Suite 200
Downers Grove, IL 60515
United States
425-889-3679

Facility : Rayong Province, Thailand

Sodium Hydroxide

Trade Designation	*Product Function*	*Max Use*
Caustic Soda Micropearls	Corrosion & Scale Control pH Adjustment	100mg/L

Univar Solutions USA Inc. DBA Univar USA Inc.

17425 Northeast Union Hill Road
Redmond, WA 98052
United States
425-889-3400

Facility : # 18 USA

Sodium Hydroxide

Trade Designation	*Product Function*	*Max Use*
Caustic Soda 32%	Corrosion & Scale Control pH Adjustment	156mg/L
Caustic Soda 50%	Corrosion & Scale Control pH Adjustment	100mg/L
Sodium Hydroxide 32%	Corrosion & Scale Control pH Adjustment	156mg/L
Sodium Hydroxide 50%	Corrosion & Scale Control pH Adjustment	100mg/L

Univar Solutions USA Inc. DBA Univar USA Inc.

3075 Highland Parkway
Suite 200
Downers Grove, IL 60515
United States
425-889-3400

Facility : San Antonio, TX CarbonFree

Sodium Hydroxide

Trade Designation	*Product Function*	*Max Use*
Caustic Soda 25%	Corrosion & Scale Control pH Adjustment	100mg/L
Caustic Soda 32%	Corrosion & Scale Control pH Adjustment	100mg/L
Caustic Soda 50%	Corrosion & Scale Control pH Adjustment	100mg/L
Sodium Hydroxide 25% Solution	Corrosion & Scale Control pH Adjustment	100mg/L
Sodium Hydroxide 32% Solution	Corrosion & Scale Control pH Adjustment	100mg/L
Sodium Hydroxide 50% Solution	Corrosion & Scale Control pH Adjustment	100mg/L

Univar USA Inc.

17411 Northeast Union Hill Road
Redmond, WA 98052
United States
425-889-3400

Facility : # 26 Pittsburg, CA

Sodium Hydroxide

Trade Designation	*Product Function*	*Max Use*
Caustic Soda Solution 15%	Corrosion & Scale Control pH Adjustment	333mg/L

Caustic Soda Solution 20%	Corrosion & Scale Control pH Adjustment	250mg/L
Caustic Soda Solution 25%	Corrosion & Scale Control pH Adjustment	200mg/L
Caustic Soda Solution 30%	Corrosion & Scale Control pH Adjustment	166mg/L
Caustic Soda Solution 50%	Corrosion & Scale Control pH Adjustment	100mg/L
Sodium Hydroxide 15%	Corrosion & Scale Control pH Adjustment	333mg/L
Sodium Hydroxide 20%	Corrosion & Scale Control pH Adjustment	250mg/L
Sodium Hydroxide 25%	Corrosion & Scale Control pH Adjustment	200mg/L
Sodium Hydroxide 30%	Corrosion & Scale Control pH Adjustment	166mg/L
Sodium Hydroxide 50%	Corrosion & Scale Control pH Adjustment	100mg/L

Number of matching Manufacturers is 6

Number of matching Products is 577

Processing time was 1 seconds

CERTIFICATE OF ANALYSIS

UnivarSolutions

Univar Solutions USA LLC
Marlborough, MA 01752
PH: 508.251.6925
www.univarsolutions.com

Date:	12/31/2025	Replaces:	10/25/2025
Product:	Sodium hydroxide 20%	Terminal:	IMTT, Richmond, CA
Material Grade:	NSF-Membrane	Tank:	20013
Lot #:	BatchNo.B528027723	Shipment:	Argent Aster V.2509
Manufacturer:	Shin-Etsu Japan	Survey #	US410-0023603
Manufacture Date:	11/23/2025	Customer:	Bay Area Chemical Consortium, CA
Order #:		Date of Delivery:	
Shipper ID:			

Analysis Description	UoM	Specification Min.	Specification Max.	Results
Sodium hydroxide (NaOH)	% wt.	19.00	21.00	20.0
Sodium oxide (Na_2O)	% wt.	14.37	16.28	15.5
Sodium chloride (NaCl)	ppm		100	9
Sodium carbonate (Na_2CO_3)	% wt.		0.15	0.03
Sodium chlorate ($NaClO_3$)	ppm		20	6
Sodium sulfate (Na_2SO_4)	ppm		80	11
Iron (Fe)	ppm		5.0	0.2

Univar Solutions USA LLC,

Jackie Scalzi Signature

Jackie Scalzi Printed Name

Vessel Logistics Mgr. Title

NSF Certified to NSF/ANSI/CAN 60

Note: Maximum Use for Potable Water: 100 mg/L

When tested this product meets the testing requirements of the Food Chemicals Codex (FCC), current edition. Meeting the FCC testing requirement does not guarantee this product is suitable for food related applications. Users of this product should carefully assess to determine suitability for their intended applications.
This product is Kosher certified.

Please consult the SDS for further information. Univar Solutions represents only that the Product shall meet the specifications herein. All transactions involving this Product are subject to Univar Solutions' standard Terms and Conditions, available at www.univarsolutions.com or upon request. Univar Solutions makes no additional representations or warranties, express or implied, as to the Product. **COA-UNS-230 08/25/2025**

CERTIFICATE OF ANALYSIS

UnivarSolutions

Univar Solutions USA LLC
Marlborough, MA 01752
PH: 508.251.8925
www.univarsolutions.com

Date:	1/8/2026	Replaces:	11/14/2025
Product:	Sodium hydroxide 20%	Terminal:	IMTT, Richmond, CA
Material Grade:	NSF-Membrane	Tank:	20012
Lot #:	BatchNo.A528037852	Shipment:	Fairchem Mako V.2506
Manufacturer:	Hanwha, Korea	Survey #	US410-0023628
Manufacture Date:	12/8/2025	Customer:	Bay Area Chemical Consortium, CA
Order #:		Date of Delivery:	
Shipper ID:			

Analysis Description	UoM	Specification Min.	Specification Max.	Results
Sodium hydroxide (NaOH)	% wt.	19.00	21.00	20.0
Sodium oxide (Na_2O)	% wt.	14.37	16.28	15.5
Sodium chloride (NaCl)	ppm		100	22
Sodium carbonate (Na_2CO_3)	% wt.		0.15	0.04
Sodium chlorate ($NaClO_3$)	ppm		20	10
Sodium sulfate (Na_2SO_4)	ppm		80	17
Iron (Fe)	ppm		5.0	0.4

Univar Solutions USA LLC,

Jackie Scalzi Signature

Jackie Scalzi Printed Name

Vessel Logistics Mgr. Title

NSF Certified to NSF/ANSI/CAN 60

Note: Maximum Use for Potable Water: 100 mg/L

When tested this product meets the testing requirements of the Food Chemicals Codex (FCC), current edition. Meeting the FCC testing requirement does not guarantee this product is suitable for food related applications. Users of this product should carefully assess to determine suitability for their intended applications.
This product is Kosher certified.

Please consult the SDS for further information. Univar Solutions represents only that the Product shall meet the specifications herein. All transactions involving this Product are subject to Univar Solutions' standard Terms and Conditions, available at www.univarsolutions.com or upon request. Univar Solutions makes no additional representations or warranties, express or implied, as to the Product. **COA-UNS-230 08/25/2025**

Univar Solutions

Safety Data Sheet
CAUSTIC SODA 20%

Version 1.7 Revision Date: 01/20/2025

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : CAUSTIC SODA 20%

Manufacturer or supplier's details

Company : Univar Solutions USA

Address 3075 Highland Pkwy Suite 200
Downers Grove, IL 60515
United States of America (USA)

Emergency telephone number:
Transport North America: CHEMTREC (1-800-424-9300)
CHEMTREC INTERNATIONAL Tel # 703-527-3887

Additional Information: : Responsible Party: Product Compliance Department
E-mail: SDSNA@univarsolutions.com
SDS Requests: 1-855-429-2661
Website: www.univarsolutions.com

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Corrosive to metals : Category 1

Skin corrosion : Category 1A

Serious eye damage : Category 1

GHS label elements

Hazard pictograms :



Signal word : Danger

Hazard statements : H290 May be corrosive to metals.
H314 Causes severe skin burns and eye damage.

Precautionary statements : **Prevention:**
P234 Keep only in original container.
P264 Wash skin thoroughly after handling.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
Response:
P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.
P304 + P340 + P310 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/ doctor.
P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON

CENTER/ doctor.
P363 Wash contaminated clothing before reuse.
P390 Absorb spillage to prevent material damage.
Storage:
P405 Store locked up.
P406 Store in corrosive resistant container with a resistant inner liner.
Disposal:
P501 Dispose of contents/ container to an approved waste disposal plant.

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Hazardous components

CAS-No.	Chemical name	Weight percent
1310-73-2	Sodium hydroxide	20 - 30

Actual concentration is withheld as a trade secret
Any Concentration shown as a range is due to batch variation.

SECTION 4. FIRST AID MEASURES

General advice : Move out of dangerous area.
Consult a physician.
Show this safety data sheet to the doctor in attendance.
Do not leave the victim unattended.

If inhaled : If unconscious, place in recovery position and seek medical advice.
If symptoms persist, call a physician.

In case of skin contact : Immediate medical treatment is necessary as untreated wounds from corrosion of the skin heal slowly and with difficulty.
If on skin, rinse well with water.
If on clothes, remove clothes.

In case of eye contact : Small amounts splashed into eyes can cause irreversible tissue damage and blindness.
In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Continue rinsing eyes during transport to hospital.
Remove contact lenses.
Protect unharmed eye.
Keep eye wide open while rinsing.
If eye irritation persists, consult a specialist.

If swallowed : Keep respiratory tract clear.
Do NOT induce vomiting.
Do not give milk or alcoholic beverages.
Never give anything by mouth to an unconscious person.
If symptoms persist, call a physician.

Take victim immediately to hospital.

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media	:	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable extinguishing media	:	High volume water jet
Specific hazards during firefighting	:	Do not allow run-off from fire fighting to enter drains or water courses.
Hazardous combustion products	:	No hazardous combustion products are known
Further information	:	Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
Special protective equipment for firefighters	:	Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	:	Use personal protective equipment.
Environmental precautions	:	Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities.
Methods and materials for containment and cleaning up	:	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal.

SECTION 7. HANDLING AND STORAGE

Advice on protection against fire and explosion	:	Normal measures for preventive fire protection.
Advice on safe handling	:	Do not breathe vapours/dust. Avoid contact with skin and eyes. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. To avoid spills during handling keep bottle on a metal tray. Dispose of rinse water in accordance with local and national regulations.
Conditions for safe storage	:	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and

kept upright to prevent leakage.
Observe label precautions.
Electrical installations / working materials must comply with the technological safety standards.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

CAS-No.	Components	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
1310-73-2	Sodium hydroxide	C	2 mg/m3	ACGIH
		C	2 mg/m3	NIOSH REL
		TWA	2 mg/m3	OSHA Z-1
		C	2 mg/m3	OSHA P0
		C	2 mg/m3	CAL PEL

Personal protective equipment

Respiratory protection : General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators. Protection provided by air purifying respirators against exposure to any hazardous chemical is limited. Use a positive pressure air supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstance where air purifying respirators may not provide adequate protection.

Hand protection

Remarks : The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Eye protection : Eye wash bottle with pure water
Tightly fitting safety goggles
Wear face-shield and protective suit for abnormal processing problems.

Skin and body protection : Impervious clothing
Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Hygiene measures : When using do not eat or drink.
When using do not smoke.
Wash hands before breaks and at the end of workday.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : liquid
Colour : No data available
Odour : No data available
Odour Threshold : No data available
pH : No data available

Freezing Point (Freezing Point)	:	< -35 °C (< -31 °F)
Boiling Point	:	No data available
Flash point	:	> 101 °C (> 214 °F)
Evaporation rate	:	No data available
Flammability (solid, gas)	:	No data available
Upper explosion limit	:	No data available
Lower explosion limit	:	No data available
Vapour pressure	:	No data available
Relative vapour density	:	No data available
Relative density	:	1.22 - 1.23
Density	:	10.23 lb/gal
Water solubility	:	No data available
Solubility in other solvents	:	No data available
Partition coefficient: n-octanol/water	:	No data available
Auto-ignition temperature	:	No data available
Thermal decomposition	:	No data available

SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	No dangerous reaction known under conditions of normal use.
Chemical stability	:	Stable under normal conditions.
Possibility of hazardous reactions	:	No decomposition if stored and applied as directed.
Conditions to avoid	:	Exposure to moisture temperature extremes
Incompatible materials	:	Acids Halogenated compounds Metals organic nitro compounds Zinc

SECTION 11. TOXICOLOGICAL INFORMATION

Skin corrosion/irritation

Components:

1310-73-2:
Species: Rabbit
Result: Causes severe burns.

Serious eye damage/eye irritation

Components:

1310-73-2:

Species: Rabbit
Result: Risk of serious damage to eyes.

Carcinogenicity

IARC	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
OSHA	No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.
NTP	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

Further information

Product:
Remarks: No data available

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Components:
1310-73-2:

Toxicity to fish	:	LC50 (Gambusia affinis (Mosquito fish)): 125 mg/l Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Ceriodaphnia dubia): 40.38 mg/l Exposure time: 48 h Test Type: Immobilization

Persistence and degradability
No data available

Bioaccumulative potential
No data available

Mobility in soil
No data available

Other adverse effects

Product:

Ozone-Depletion Potential	:	Regulation: 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances Remarks: This product neither contains, nor was manufac-

tured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues : Dispose of in accordance with all applicable local, state and federal regulations.
For assistance with your waste management needs - including disposal, recycling and waste stream reduction, contact Univar Solutions ChemCare: 1-800-637-7922

Contaminated packaging : Empty remaining contents.
Dispose of as unused product.
Do not re-use empty containers.

SECTION 14. TRANSPORT INFORMATION

DOT (Department of Transportation):
UN1824, Sodium hydroxide solution, 8, II

IATA (International Air Transport Association):
UN1824, Sodium hydroxide solution, 8, II

IMDG (International Maritime Dangerous Goods):
UN1824, SODIUM HYDROXIDE SOLUTION, 8, II, Flash Point:> 101 °C(> 214 °F)

SECTION 15. REGULATORY INFORMATION

EPCRA - Emergency Planning and Community Right-to-Know Act

CERCLA Reportable Quantity

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
Sodium hydroxide	1310-73-2	1000	4901

SARA 304 Extremely Hazardous Substances Reportable Quantity
This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards : Corrosive to metals
Skin corrosion or irritation
Serious eye damage or eye irritation

SARA 302 : This material does not contain any components with a section 302 EHS TPQ.

SARA 313 : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Clean Air Act

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCMI Intermediate or Final VOC's (40 CFR 60.489).

Clean Water Act

The following Hazardous Substances are listed under the U.S. CleanWater Act, Section 311, Table 116.4A:

1310-73-2 Sodium hydroxide

The following Hazardous Chemicals are listed under the U.S. CleanWater Act, Section 311, Table 117.3:

1310-73-2 Sodium hydroxide

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

Massachusetts Right To Know

1310-73-2 Sodium hydroxide

Pennsylvania Right To Know

7732-18-5 Water

1310-73-2 Sodium hydroxide

California Prop 65 : This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

The components of this product are reported in the following inventories:

TSCA : On the inventory, or in compliance with the inventory

DSL : On the inventory, or in compliance with the inventory

AICS : On the inventory, or in compliance with the inventory

ENCS : On the inventory, or in compliance with the inventory

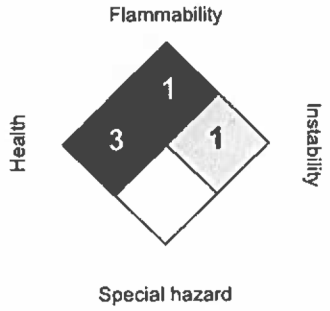
KECI : On the inventory, or in compliance with the inventory

PICCS : On the inventory, or in compliance with the inventory

IECSC : On the inventory, or in compliance with the inventory

SECTION16. OTHER INFORMATION

NFPA:



HMIS III:

HEALTH	3/
FLAMMABILITY	1
PHYSICAL HAZARD	4

0 = not significant, 1 =Slight,
2 = Moderate, 3 = High
4 =Extreme, * = Chronic

The information accumulated is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since data made become available subsequently to the date hereof, we do not assume any responsibility for the results of its use. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances. This SDS has been prepared by Univar Solutions Product Compliance Department (1-855-429-2661) SDSNA@univarsolutions.com.

Revision Date : 01/20/2025

Material number:
16221445, 16221444, 16221443, 16221442, 16212545, 16193365, 16191666, 16191667, 16170017, 16188968, 16188877, 16188855, 16160839, 16158862, 16168959, 16168217, 16170945, 16164464, 16164324, 16164313, 16164738, 16156587, 16154002, 16156319, 16172347, 16153870, 16155538, 16161020, 16160324, 16160497, 16152994, 16155178, 16146333, 16147878, 16154226, 16145944, 16153005, 16152704, 16145241, 16146002, 16147845, 16143381, 16143388, 16141133, 16142306, 16141295, 16133683, 542058, 69095, 86948, 70679, 87290, 21980

Key or legend to abbreviations and acronyms used in the safety data sheet			
ACGIH	American Conference of Government Industrial Hygienists	LD50	Lethal Dose 50%
AICS	Australia, Inventory of Chemical Substances	LOAEL	Lowest Observed Adverse Effect Level
DSL	Canada, Domestic Substances List	NFPA	National Fire Protection Agency
NDSL	Canada, Non-Domestic Substances List	NIOSH	National Institute for Occupational Safety & Health
CNS	Central Nervous System	NTP	National Toxicology Program
CAS	Chemical Abstract Service	NZIoC	New Zealand Inventory of Chemicals
EC50	Effective Concentration	NOAEL	No Observable Adverse Effect Level
EC50	Effective Concentration 50%	NOEC	No Observed Effect Concentration

EGEST	EOSCA Generic Exposure Scenario Tool	OSHA	Occupational Safety & Health Administration
EOSCA	European Oilfield Specialty Chemicals Association	PEL	Permissible Exposure Limit
EINECS	European Inventory of Existing Chemical Substances	PICCS	Philippines Inventory of Commercial Chemical Substances
MAK	Germany Maximum Concentration Values	PRNT	Presumed Not Toxic
GHS	Globally Harmonized System	RCRA	Resource Conservation Recovery Act
>=	Greater Than or Equal To	STEL	Short-term Exposure Limit
IC50	Inhibition Concentration 50%	SARA	Superfund Amendments and Reauthorization Act.
IARC	International Agency for Research on Cancer	TLV	Threshold Limit Value
IECSC	Inventory of Existing Chemical Substances in China	TWA	Time Weighted Average
ENCS	Japan, Inventory of Existing and New Chemical Substances	TSCA	Toxic Substance Control Act
KECI	Korea, Existing Chemical Inventory	UVCB	Unknown or Variable Composition, Complex Reaction Products, and Biological Materials
<=	Less Than or Equal To	WHMIS	Workplace Hazardous Materials Information System
LC50	Lethal Concentration 50%		

CERTIFICATE OF ANALYSIS

UnivarSolutions

Univar Solutions USA LLC
Marlborough, MA 01752
PH: 508.251.6925
www.univarsolutions.com

Date:	12/31/2025	Replaces:	10/25/2025
Product:	Sodium hydroxide 25%	Terminal:	IMTT, Richmond, CA
Material Grade:	NSF-Membrane	Tank:	20013
Lot #:	BatchNo.B528027723	Shipment:	Argent Aster V.2509
Manufacturer:	Shin-Etsu Japan	Survey #	US410-0023603
Manufacture Date:	11/23/2025	Customer:	Bay Area Chemical Consortium, CA
Order #:		Date of Delivery:	
Shipper ID:			

Analysis Description	UoM	Specification Min.	Specification Max.	Results
Sodium hydroxide (NaOH)	% wt.	23.00	27.00	25.0
Sodium oxide (Na_2O)	% wt.	15.50	20.20	19.4
Sodium chloride (NaCl)	ppm		100	11
Sodium carbonate (Na_2CO_3)	% wt.		0.15	0.04
Sodium chlorate ($NaClO_3$)	ppm		26	8
Sodium sulfate (Na_2SO_4)	ppm		80	14
Iron (Fe)	ppm		5.0	0.3
Specific gravity @ 60°F	---	1.20	1.35	1.28

Univar Solutions USA LLC,

Jackie Scalzi Signature

Jackie Scalzi Printed Name

Vessel Logistics Mgr. Title

NSF Certified to NSF/ANSI/CAN 60

Note: Maximum Use for Potable Water: 100 mg/L

When tested this product meets the testing requirements of the Food Chemicals Codex (FCC), current edition. Meeting the FCC testing requirement does not guarantee this product is suitable for food related applications. Users of this product should carefully assess to determine suitability for their intended applications.
This product is Kosher certified.

Please consult the SDS for further information. Univar Solutions represents only that the Product shall meet the specifications herein. All transactions involving this Product are subject to Univar Solutions' standard Terms and Conditions, available at www.univarsolutions.com or upon request. Univar Solutions makes no additional representations or warranties, express or implied, as to the Product. **COA-UNS-230 08/25/2025**

CERTIFICATE OF ANALYSIS

UnivarSolutions

Univar Solutions USA LLC
Marlborough, MA 01752
PH: 508.251.6925
www.univarsolutions.com

AFFIDAVIT OF COMPLIANCE
25% LIQUID CAUSTIC SODA
IMTT TANK 20013
Richmond, CA

Metropolitan

Agreement No: AS-406679

Metropolitan

Order No: _____

Contractor

Order No: _____

Delivery Date &

Location: _____

The undersigned hereby certifies that the above-referenced liquid caustic soda, upon delivery, fully complies with the specifications in the above-referenced agreement between the Metropolitan Water District of Southern California and this Contractor.

1. Sodium hydroxide (NaOH) _25.0__% by weight, _10.66__lbs /gal
2. Sodium oxide (Na2O) __19.5__%
3. Specific gravity __1.28_____ @ Temperature _60_ °F

Jackie Scalzi
(Authorized Signature)

Jacqueline Scalzi
(Print Name)

Vessel Logistics Manager
(Title)

12/31/2025
(Date)

Please consult the SDS for further information. Univar Solutions represents only that the Product shall meet the specifications herein. All transactions involving this Product are subject to Univar Solutions' standard Terms and Conditions, available at www.univarsolutions.com or upon request. Univar Solutions makes no additional representations or warranties, express or implied, as to the Product. **COA-UNS-230 08/25/2025**

CERTIFICATE OF ANALYSIS

UnivarSolutions

Univar Solutions USA LLC
Marlborough, MA 01752
PH: 508.251.6925
www.univarsolutions.com

Date:	1/8/2026	Replaces:	11/14/2025
Product:	Sodium hydroxide 25%	Terminal:	IMTT, Richmond, CA
Material Grade:	NSF-Membrane	Tank:	20012
Lot #:	BatchNo.A528037852	Shipment:	Fairchem Mako V.2506
Manufacturer:	Hanwha, Korea	Survey #	US410-0023628
Manufacture Date:	12/8/2025	Customer:	Bay Area Chemical Consortium, CA
Order #:		Date of Delivery:	
Shipper ID:			

Analysis Description	UoM	Specification Min.	Specification Max.	Results
Sodium hydroxide (NaOH)	% wt.	23.00	27.00	25.0
Sodium oxide (Na_2O)	% wt.	15.50	20.20	19.4
Sodium chloride (NaCl)	ppm		100	27
Sodium carbonate (Na_2CO_3)	% wt.		0.15	0.05
Sodium chlorate ($NaClO_3$)	ppm		26	13
Sodium sulfate (Na_2SO_4)	ppm		80	21
Iron (Fe)	ppm		5.0	0.6
Specific gravity @ 60°F	---	1.20	1.35	1.28

Univar Solutions USA LLC,

Jackie Scalzi Signature

Jackie Scalzi Printed Name

Vessel Logistics Mgr. Title

NSF Certified to NSF/ANSI/CAN 60

Note: Maximum Use for Potable Water: 100 mg/L

When tested this product meets the testing requirements of the Food Chemicals Codex (FCC), current edition. Meeting the FCC testing requirement does not guarantee this product is suitable for food related applications. Users of this product should carefully assess to determine suitability for their intended applications.
This product is Kosher certified.

Please consult the SDS for further information. Univar Solutions represents only that the Product shall meet the specifications herein. All transactions involving this Product are subject to Univar Solutions' standard Terms and Conditions, available at www.univarsolutions.com or upon request. Univar Solutions makes no additional representations or warranties, express or implied, as to the Product. **COA-UNS-230 08/25/2025**

Univar Solutions

Safety Data Sheet
CAUSTIC SODA 25%

Version 1.12 Revision Date: 03/27/2025

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : CAUSTIC SODA 25%

Recommended use of the chemical and restrictions on use

Recommended use : Reserved for industrial and professional use.
Restrictions on use : None known.

Manufacturer or supplier's details

Company : Univar Solutions USA
Address 3075 Highland Pkwy Suite 200
Downers Grove, IL 60515
United States of America (USA)

Emergency telephone number:
Transport North America: CHEMTREC (1-800-424-9300)
CHEMTREC INTERNATIONAL Tel # 703-527-3887

Additional Information: : Responsible Party: Product Compliance Department
E-mail: SDSNA@univarsolutions.com
SDS Requests: 1-855-429-2661
Website: www.univarsolutions.com

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Corrosive to metals : Category 1

Acute toxicity (Oral) : Category 4

Skin corrosion : Category 1A

Serious eye damage : Category 1

Specific target organ toxicity - single exposure : Category 3 (Respiratory system)

GHS label elements

Hazard pictograms :



Signal word : Danger

Hazard statements : H290 May be corrosive to metals.
H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H335 May cause respiratory irritation.

Precautionary statements : **Prevention:**
P234 Keep only in original container.
P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
P264 Wash skin thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.

P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
Response:
P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell. Rinse mouth.
P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.
P304 + P340 + P310 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/ doctor.
P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor.
P363 Wash contaminated clothing before reuse.
P390 Absorb spillage to prevent material damage.
Storage:
P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up.
P406 Store in corrosive resistant container with a resistant inner liner.
Disposal:
P501 Dispose of contents/ container to an approved waste disposal plant.

Other hazards
None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Hazardous components

CAS-No.	Chemical name	Weight percent
1310-73-2	Sodium hydroxide	20 - 30

Actual concentration is withheld as a trade secret
Any Concentration shown as a range is due to batch variation.

Synonyms : Sodium Hydroxide,

SECTION 4. FIRST AID MEASURES

General advice : Move out of dangerous area.
Consult a physician.
Show this safety data sheet to the doctor in attendance.
Do not leave the victim unattended.

If inhaled : If unconscious, place in recovery position and seek medical advice.
If symptoms persist, call a physician.

In case of skin contact	:	Immediate medical treatment is necessary as untreated wounds from corrosion of the skin heal slowly and with difficulty. If on skin, rinse well with water. If on clothes, remove clothes.
In case of eye contact	:	Small amounts splashed into eyes can cause irreversible tissue damage and blindness. In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Continue rinsing eyes during transport to hospital. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist. Take victim immediately to hospital.
If swallowed	:	Keep respiratory tract clear. Do not induce vomiting without medical advice. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. Take victim immediately to hospital.

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media	:	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable extinguishing media	:	High volume water jet
Specific hazards during firefighting	:	Do not allow run-off from fire fighting to enter drains or water courses.
Hazardous combustion products	:	No hazardous combustion products are known
Further information	:	Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
Special protective equipment for firefighters	:	Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	:	Use personal protective equipment.
Environmental precautions	:	Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities.
Methods and materials for	:	Neutralise with acid.

containment and cleaning up	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal.

SECTION 7. HANDLING AND STORAGE

Advice on protection against fire and explosion	:	Normal measures for preventive fire protection.
Advice on safe handling	:	Do not breathe vapours/dust. Avoid contact with skin and eyes. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. To avoid spills during handling keep bottle on a metal tray. Dispose of rinse water in accordance with local and national regulations.
Conditions for safe storage	:	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Observe label precautions. Electrical installations / working materials must comply with the technological safety standards.
Recommended storage temperature	:	> 10 °C

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

CAS-No.	Components	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
1310-73-2	Sodium hydroxide	C	2 mg/m3	ACGIH
		C	2 mg/m3	NIOSH REL
		TWA	2 mg/m3	OSHA Z-1
		C	2 mg/m3	OSHA P0
		C	2 mg/m3	CAL PEL

Personal protective equipment

Respiratory protection	:	General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators. Protection provided by air purifying respirators against exposure to any hazardous chemical is limited. Use a positive pressure air supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstance where air purifying respirators may not provide adequate protection.

Hand protection

Remarks	:	The suitability for a specific workplace should be discussed with the producers of the protective gloves.
Eye protection	:	Eye wash bottle with pure water Tightly fitting safety goggles Wear face-shield and protective suit for abnormal processing problems.
Skin and body protection	:	Impervious clothing Choose body protection according to the amount and concentration of the dangerous substance at the work place.
Hygiene measures	:	When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	liquid
Colour	:	colourless
Odour	:	odourless
Odour Threshold	:	No data available
pH	:	14 @ 20 - 25 °C (68 - 77 °F)
Freezing Point (Freezing Point)	:	-18 °C (-0.40 °F)
Boiling Point	:	No data available
Flash point	:	94 °C (201 °F) No data available
Evaporation rate	:	No data available
Flammability (solid, gas)	:	No data available
Upper explosion limit	:	No data available
Lower explosion limit	:	No data available
Vapour pressure	:	No data available
Relative vapour density	:	No data available
Relative density	:	1.27 - 1.28 @ 20 - 25 °C (68 - 77 °F) Reference substance: (water = 1)
Density	:	No data available
Water solubility	:	No data available
Solubility in other solvents	:	No data available
Partition coefficient: n-octanol/water	:	No data available
Auto-ignition temperature	:	No data available
Thermal decomposition	:	No data available

SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	No dangerous reaction known under conditions of normal use.

Chemical stability	:	Stable under normal conditions.
Possibility of hazardous reactions	:	No decomposition if stored and applied as directed.
Conditions to avoid	:	Keep away from heat, flame, sparks and other ignition sources.
Incompatible materials	:	Acids Halogenated compounds Metals organic nitro compounds Zinc

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Product:

Acute oral toxicity : Acute toxicity estimate: 1,961 mg/kg

Skin corrosion/irritation

Product:

Result: Causes burns.

Components:

1310-73-2:
Species: Rabbit
Result: Causes severe burns.

Serious eye damage/eye irritation

Components:

1310-73-2:
Species: Rabbit
Result: Risk of serious damage to eyes.

Carcinogenicity

IARC	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
OSHA	No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.
NTP	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

STOT - single exposure

Product:
Assessment: The substance or mixture is classified as specific target organ toxicant, single exposure, category 3 with respiratory tract irritation.

Further information

Product:
Remarks: No data available

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Components:
1310-73-2:

Toxicity to fish	:	LC50 (Gambusia affinis (Mosquito fish)): 125 mg/l Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Ceriodaphnia dubia): 40.38 mg/l Exposure time: 48 h Test Type: Immobilization

Persistence and degradability
No data available

Bioaccumulative potential
No data available

Mobility in soil
No data available

Other adverse effects

Product:

Ozone-Depletion Potential	:	Regulation: 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances Remarks: This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).
Additional ecological information	:	No data available

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues : Dispose of in accordance with all applicable local, state and federal regulations.
For assistance with your waste management needs - including disposal, recycling and waste stream reduction, contact Univar Solutions ChemCare: 1-800-637-7922

Contaminated packaging : Empty remaining contents.
Dispose of as unused product.
Do not re-use empty containers.

SECTION 14. TRANSPORT INFORMATION

DOT (Department of Transportation):
UN1824, Sodium hydroxide solution, 8, II

IATA (International Air Transport Association):
UN1824, Sodium hydroxide solution, 8, II

IMDG (International Maritime Dangerous Goods):
UN1824, SODIUM HYDROXIDE SOLUTION, 8, II, Flash Point:94 °C(201 °F)

SECTION 15. REGULATORY INFORMATION

EPCRA - Emergency Planning and Community Right-to-Know Act

CERCLA Reportable Quantity

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
Sodium hydroxide	1310-73-2	1000	3921

SARA 304 Extremely Hazardous Substances Reportable Quantity
This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards : Corrosive to metals
Skin corrosion or irritation
Serious eye damage or eye irritation
Acute toxicity (any route of exposure)
Specific target organ toxicity (single or repeated exposure)

SARA 302 : This material does not contain any components with a section 302 EHS TPQ.

SARA 313 : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Clean Air Act

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCMI Intermediate or Final VOC's (40 CFR 60.489).

Clean Water Act

The following Hazardous Substances are listed under the U.S. CleanWater Act, Section 311, Table 116.4A:

1310-73-2 Sodium hydroxide

The following Hazardous Chemicals are listed under the U.S. CleanWater Act, Section 311, Table 117.3:

1310-73-2 Sodium hydroxide

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

Massachusetts Right To Know

1310-73-2 Sodium hydroxide

Pennsylvania Right To Know

7732-18-5 Water

1310-73-2 Sodium hydroxide

California Prop 65 : This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

The components of this product are reported in the following inventories:

TSCA : On TSCA Inventory

DSL : All components of this product are on the Canadian DSL

AICS : Not in compliance with the inventory

NZIoC : Not in compliance with the inventory

ENCS : On the inventory, or in compliance with the inventory

KECI : On the inventory, or in compliance with the inventory

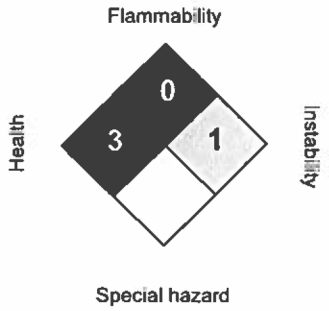
PICCS : On the inventory, or in compliance with the inventory

IECSC : On the inventory, or in compliance with the inventory

None known.

SECTION16. OTHER INFORMATION

NFPA:



HMIS III:

HEALTH	3
FLAMMABILITY	0
PHYSICAL HAZARD	4

0 = not significant, 1 =Slight,
2 = Moderate, 3 = High
4 =Extreme, * = Chronic

The information accumulated is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since data made become available subsequently to the date hereof, we do not assume any responsibility for the results of its use. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances. This SDS has been prepared by Univar Solutions Product Compliance Department (1-855-429-2661) SDSNA@univarsolutions.com.

Revision Date : 03/27/2025

Material number:
16224415, 16221451, 16221450, 16221449, 16221448, 16221447, 16221446, 16217001, 16214886, 16214622, 16214617, 16214616, 16214613, 16215333, 16212546, 16212036, 16209256, 16197210, 16206616, 16206171, 16181533, 16192173, 16192016, 16132255, 16158399, 16146684, 16182270, 16148128, 16162026, 16188797, 16145004, 16188640, 16163721, 16162553, 16147855, 16151729, 16147016, 16002081, 16002153, 16163814, 16181444, 16185708, 16185366, 16178437, 16176600, 16176259, 16175654, 16175444, 16175415, 16174721, 16176744, 16170086, 16169860, 16169683, 16146335, 16146334, 16143884, 16145401, 16145323, 16145278, 16145243, 16145242, 16125921, 16116103, 16113730, 755848, 650799, 546389, 70561, 53072, 574261, 53570, 16150734, 16149350, 16149457, 16144981, 16145777, 16147137, 16163653, 102698, 16160832, 16137556, 16137474, 16137324, 16152197, 16152426, 16144481, 16147885, 16159715, 16143521, 16160487, 16160771, 16160572, 16160486, 16147888, 16147884, 16147854, 16147799, 16148872, 16144724

Key or legend to abbreviations and acronyms used in the safety data sheet			
ACGIH	American Conference of Government Industrial Hygienists	LD50	Lethal Dose 50%
AIIC	Australian Inventory of Industrial Chemicals	LOAEL	Lowest Observed Adverse Effect Level
DSL	Canada, Domestic Substances List	NFPA	National Fire Protection Agency
NDSL	Canada, Non-Domestic Substances List	NIOSH	National Institute for Occupational Safety & Health

CNS	Central Nervous System	NTP	National Toxicology Program
CAS	Chemical Abstract Service	NZIoC	New Zealand Inventory of Chemicals
EC50	Effective Concentration	NOAEL	No Observable Adverse Effect Level
EC50	Effective Concentration 50%	NOEC	No Observed Effect Concentration
EGEST	EOSCA Generic Exposure Scenario Tool	OSHA	Occupational Safety & Health Administration
EOSCA	European Oilfield Specialty Chemicals Association	PEL	Permissible Exposure Limit
EINECS	European Inventory of Existing Chemical Substances	PICCS	Philippines Inventory of Commercial Chemical Substances
MAK	Germany Maximum Concentration Values	PRNT	Presumed Not Toxic
GHS	Globally Harmonized System	RCRA	Resource Conservation Recovery Act
>=	Greater Than or Equal To	STEL	Short-term Exposure Limit
IC50	Inhibition Concentration 50%	SARA	Superfund Amendments and Reauthorization Act.
IARC	International Agency for Research on Cancer	TLV	Threshold Limit Value
IECSC	Inventory of Existing Chemical Substances in China	TWA	Time Weighted Average
ENCS	Japan, Inventory of Existing and New Chemical Substances	TSCA	Toxic Substance Control Act
KECI	Korea, Existing Chemical Inventory	UVCB	Unknown or Variable Composition, Complex Reaction Products, and Biological Materials
<=	Less Than or Equal To	WHMIS	Workplace Hazardous Materials Information System
LC50	Lethal Concentration 50%		

CERTIFICATE OF ANALYSIS

UnivarSolutions

Univar Solutions USA LLC
Marlborough, MA 01752
PH: 508.251.6925
www.univarsolutions.com

Date:	12/31/2025	Replaces:	10/25/2025
Product:	Sodium hydroxide 30%	Terminal:	IMTT, Richmond, CA
Material Grade:	NSF-Membrane	Tank:	20013
Lot #:	BatchNo.B528027723	Shipment:	Argent Aster V.2509
Manufacturer:	Shin-Etsu Japan	Survey #	US410-0023603
Manufacture Date:	11/23/2025	Customer:	Bay Area Chemical Consortium, CA
Order #:		Date of Delivery:	
Shipper ID:			

Analysis Description	UoM	Specification Min.	Specification Max.	Results
Sodium hydroxide (NaOH)	% wt.	29.00	32.00	30.0
Sodium oxide (Na_2O)	% wt.	22.50	23.70	23.2
Sodium chloride (NaCl)	ppm		100	13
Sodium carbonate (Na_2CO_3)	% wt.		0.15	0.05
Sodium chlorate ($NaClO_3$)	ppm		31	9
Sodium sulfate (Na_2SO_4)	ppm		80	16
Iron (Fe)	ppm		5.0	0.3

Univar Solutions USA LLC,

Jackie Scalzi Signature

Jackie Scalzi Printed Name

Vessel Logistics Mgr. Title

NSF Certified to NSF/ANSI/CAN 60

Note: Maximum Use for Potable Water: 100 mg/L

When tested this product meets the testing requirements of the Food Chemicals Codex (FCC), current edition. Meeting the FCC testing requirement does not guarantee this product is suitable for food related applications. Users of this product should carefully assess to determine suitability for their intended applications.
This product is Kosher certified.

Please consult the SDS for further information. Univar Solutions represents only that the Product shall meet the specifications herein. All transactions involving this Product are subject to Univar Solutions' standard Terms and Conditions, available at www.univarsolutions.com or upon request. Univar Solutions makes no additional representations or warranties, express or implied, as to the Product. **COA-UNS-230 08/25/2025**

CERTIFICATE OF ANALYSIS

UnivarSolutions

Univar Solutions USA LLC
Marlborough, MA 01752
PH: 508.251.6925
www.univarsolutions.com

Date:	1/8/2026	Replaces:	11/14/2025
Product:	Sodium hydroxide 30%	Terminal:	IMTT, Richmond, CA
Material Grade:	NSF-Membrane	Tank:	20012
Lot #:	BatchNo.A528037852	Shipment:	Fairchem Mako V.2506
Manufacturer:	Hanwha, Korea	Survey #	US410-0023628
Manufacture Date:	12/8/2025	Customer:	Bay Area Chemical Consortium, CA
Order #:		Date of Delivery:	
Shipper ID:			

Analysis Description	UoM	Specification Min.	Specification Max.	Results
Sodium hydroxide (NaOH)	% wt.	29.00	32.00	30.0
Sodium oxide (Na_2O)	% wt.	22.50	23.70	23.2
Sodium chloride (NaCl)	ppm		100	32
Sodium carbonate (Na_2CO_3)	% wt.		0.15	0.05
Sodium chlorate ($NaClO_3$)	ppm		31	16
Sodium sulfate (Na_2SO_4)	ppm		80	25
Iron (Fe)	ppm		5.0	0.7

Univar Solutions USA LLC,

Jackie Scalzi Signature

Jackie Scalzi Printed Name

Vessel Logistics Mgr. Title

NSF Certified to NSF/ANSI/CAN 60

Note: Maximum Use for Potable Water: 100 mg/L

When tested this product meets the testing requirements of the Food Chemicals Codex (FCC), current edition. Meeting the FCC testing requirement does not guarantee this product is suitable for food related applications. Users of this product should carefully assess to determine suitability for their intended applications.
This product is Kosher certified.

Please consult the SDS for further information. Univar Solutions represents only that the Product shall meet the specifications herein. All transactions involving this Product are subject to Univar Solutions' standard Terms and Conditions, available at www.univarsolutions.com or upon request. Univar Solutions makes no additional representations or warranties, express or implied, as to the Product. **COA-UNS-230 08/25/2025**

Univar Solutions

Safety Data Sheet
CAUSTIC SODA 30%

Version 1.13 Revision Date: 04/17/2025

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : CAUSTIC SODA 30%

Recommended use of the chemical and restrictions on use

Recommended use : Reserved for industrial and professional use.

Manufacturer or supplier's details

Company : Univar Solutions USA
Address 3075 Highland Pkwy Suite 200
Downers Grove, IL 60515
United States of America (USA)

Emergency telephone number:
Transport North America: CHEMTREC (1-800-424-9300)
CHEMTREC INTERNATIONAL Tel # 703-527-3887

Additional Information: : Responsible Party: Product Compliance Department
E-mail: SDSNA@univarsolutions.com
SDS Requests: 1-855-429-2661
Website: www.univarsolutions.com

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Corrosive to metals : Category 1

Skin corrosion : Category 1A

Serious eye damage : Category 1

GHS label elements

Hazard pictograms :



Signal word : Danger

Hazard statements : H290 May be corrosive to metals.
H314 Causes severe skin burns and eye damage.

Precautionary statements : **Prevention:**
P234 Keep only in original container.
P264 Wash skin thoroughly after handling.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
Response:
P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.
P304 + P340 + P310 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/ doctor.

P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor.
P363 Wash contaminated clothing before reuse.
P390 Absorb spillage to prevent material damage.
Storage:
P405 Store locked up.
P406 Store in corrosive resistant container with a resistant inner liner.
Disposal:
P501 Dispose of contents/ container to an approved waste disposal plant.

Other hazards
None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Hazardous components

CAS-No.	Chemical name	Weight percent
1310-73-2	Sodium hydroxide	30 - 50

Actual concentration is withheld as a trade secret
Any Concentration shown as a range is due to batch variation.

SECTION 4. FIRST AID MEASURES

General advice : Move out of dangerous area.
Consult a physician.
Show this safety data sheet to the doctor in attendance.
Do not leave the victim unattended.

If inhaled : If unconscious, place in recovery position and seek medical advice.
If symptoms persist, call a physician.

In case of skin contact : Immediate medical treatment is necessary as untreated wounds from corrosion of the skin heal slowly and with difficulty.
If on skin, rinse well with water.
If on clothes, remove clothes.

In case of eye contact : Small amounts splashed into eyes can cause irreversible tissue damage and blindness.
In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Continue rinsing eyes during transport to hospital.
Remove contact lenses.
Protect unharmed eye.
Keep eye wide open while rinsing.
If eye irritation persists, consult a specialist.
Take victim immediately to hospital.

If swallowed : Keep respiratory tract clear.

Do not induce vomiting without medical advice.
Do not give milk or alcoholic beverages.
Never give anything by mouth to an unconscious person.
If symptoms persist, call a physician.
Take victim immediately to hospital.

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media	:	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable extinguishing media	:	High volume water jet
Specific hazards during firefighting	:	Do not allow run-off from fire fighting to enter drains or water courses.
Hazardous combustion products	:	No hazardous combustion products are known
Further information	:	Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
Special protective equipment for firefighters	:	Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	:	Use personal protective equipment.
Environmental precautions	:	Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities.
Methods and materials for containment and cleaning up	:	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal.

SECTION 7. HANDLING AND STORAGE

Advice on protection against fire and explosion	:	Normal measures for preventive fire protection.
Advice on safe handling	:	Do not breathe vapours/dust. Avoid contact with skin and eyes. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. To avoid spills during handling keep bottle on a metal tray. Dispose of rinse water in accordance with local and national

regulations.

Conditions for safe storage	:	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Observe label precautions. Electrical installations / working materials must comply with the technological safety standards.
Recommended storage temperature	:	> 16 °C

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

CAS-No.	Components	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
1310-73-2	Sodium hydroxide	C	2 mg/m3	ACGIH
		C	2 mg/m3	NIOSH REL
		TWA	2 mg/m3	OSHA Z-1
		C	2 mg/m3	OSHA P0
		C	2 mg/m3	CAL PEL

Personal protective equipment

Respiratory protection : General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators. Protection provided by air purifying respirators against exposure to any hazardous chemical is limited. Use a positive pressure air supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstance where air purifying respirators may not provide adequate protection.

Hand protection

Remarks	:	The suitability for a specific workplace should be discussed with the producers of the protective gloves.
Eye protection	:	Eye wash bottle with pure water Tightly fitting safety goggles Wear face-shield and protective suit for abnormal processing problems.
Skin and body protection	:	Impervious clothing Choose body protection according to the amount and concentration of the dangerous substance at the work place.
Hygiene measures	:	When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	liquid
Colour	:	Clear, colorless
Odour	:	characteristic
Odour Threshold	:	No data available
pH	:	No data available
Freezing Point (Melting point/freezing point)	:	> 0 °C (> 32 °F)
Boiling Point	:	No data available
Flash point	:	> 93 °C (> 199 °F)
Evaporation rate	:	No data available
Flammability (solid, gas)	:	No data available
Upper explosion limit	:	No data available
Lower explosion limit	:	No data available
Vapour pressure	:	No data available
Relative vapour density	:	No data available
Relative density	:	1.303 - 1.34 @ 20 °C (68 °F) Reference substance: (water = 1)
Density	:	1.316 - 1.330 g/cm3 @ 20 °C (68 °F)
Water solubility	:	No data available
Solubility in other solvents	:	No data available
Partition coefficient: n-octanol/water	:	No data available
Auto-ignition temperature	:	No data available
Thermal decomposition	:	No data available

SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	Stable under recommended storage conditions.
Chemical stability	:	Stable under normal conditions.
Possibility of hazardous reactions	:	No decomposition if stored and applied as directed.
Conditions to avoid	:	Exposure to moisture Keep away from heat, flame, sparks and other ignition sources.
Incompatible materials	:	Acids Halogenated compounds Metals organic nitro compounds Zinc

SECTION 11. TOXICOLOGICAL INFORMATION

Skin corrosion/irritation

Components:
1310-73-2:
Species: Rabbit
Result: Causes severe burns.

Serious eye damage/eye irritation

Components:
1310-73-2:
Species: Rabbit
Result: Risk of serious damage to eyes.

Carcinogenicity

IARC	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
OSHA	No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.
NTP	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

Further information

Product:
Remarks: No data available

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Components:
1310-73-2:

Toxicity to fish	:	LC50 (Gambusia affinis (Mosquito fish)): 125 mg/l Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Ceriodaphnia dubia): 40.38 mg/l Exposure time: 48 h Test Type: Immobilization

Persistence and degradability
No data available

Bioaccumulative potential
No data available

Mobility in soil
No data available

Other adverse effects

Product:

Ozone-Depletion Potential	:	Regulation: 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances Remarks: This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).
Additional ecological information	:	No data available

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues	:	Dispose of in accordance with all applicable local, state and federal regulations. For assistance with your waste management needs - including disposal, recycling and waste stream reduction, contact Univar Solutions ChemCare: 1-800-637-7922
Contaminated packaging	:	Empty remaining contents. Dispose of as unused product. Do not re-use empty containers.

SECTION 14. TRANSPORT INFORMATION

DOT (Department of Transportation):
UN1824, Sodium hydroxide solution, 8, II

IATA (International Air Transport Association):
UN1824, Sodium hydroxide solution, 8, II

IMDG (International Maritime Dangerous Goods):
UN1824, SODIUM HYDROXIDE SOLUTION, 8, II, Flash Point:> 93 °C(> 199 °F)

SECTION 15. REGULATORY INFORMATION

EPCRA - Emergency Planning and Community Right-to-Know Act

CERCLA Reportable Quantity

Components	CAS-No.	Component RQ	Calculated product RQ

		(lbs)	(lbs)
Sodium hydroxide	1310-73-2	1000	3333

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards : Corrosive to metals
Skin corrosion or irritation
Serious eye damage or eye irritation

SARA 302 : This material does not contain any components with a section 302 EHS TPQ.

SARA 313 : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Clean Air Act

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCMI Intermediate or Final VOC's (40 CFR 60.489).

Clean Water Act

The following Hazardous Substances are listed under the U.S. CleanWater Act, Section 311, Table 116.4A:

1310-73-2 Sodium hydroxide

The following Hazardous Chemicals are listed under the U.S. CleanWater Act, Section 311, Table 117.3:

1310-73-2 Sodium hydroxide

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

This product does not contain any priority pollutants related to the U.S. Clean Water Act

Massachusetts Right To Know

1310-73-2 Sodium hydroxide

Pennsylvania Right To Know

7732-18-5 Water

1310-73-2 Sodium hydroxide

California Prop 65 : This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

The components of this product are reported in the following inventories:

TSCA : On the inventory, or in compliance with the inventory

DSL : On the inventory, or in compliance with the inventory

AICS : On the inventory, or in compliance with the inventory

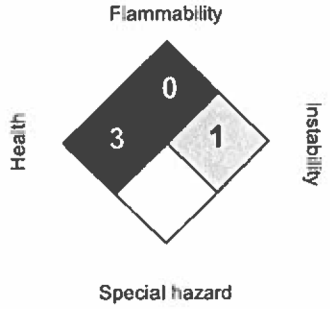
NZIoC : Not in compliance with the inventory

ENCS : On the inventory, or in compliance with the inventory

KECI	:	On the inventory, or in compliance with the inventory
PICCS	:	On the inventory, or in compliance with the inventory
IECSC	:	On the inventory, or in compliance with the inventory

SECTION16. OTHER INFORMATION

NFPA:



HMIS III:

HEALTH	3
FLAMMABILITY	0
PHYSICAL HAZARD	4

0 = not significant, 1 =Slight,
2 = Moderate, 3 = High
4 =Extreme, * = Chronic

The information accumulated is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since data made become available subsequently to the date hereof, we do not assume any responsibility for the results of its use. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances. This SDS has been prepared by Univar Solutions Product Compliance Department (1-855-429-2661) SDSNA@univarsolutions.com.

Revision Date : 04/17/2025

Legacy SDS: : R0023558

Material number:
16225231, 16224279, 16219540, 16219519, 16218901, 16216853, 16216548, 16214960, 16214820, 16214819, 16215294, 16215434, 16212040, 16205048, 16204950, 16180311, 16180341, 16178366, 16176254, 16176472, 16174796, 16140662, 16151737, 16168268, 16168813, 16169789, 16164733, 16164288, 16164325, 16164319, 16158080, 16159265, 16155789, 16154356, 16153556, 16167048, 16154041, 16158234, 16153712, 16152706, 16153016, 89846, 16045900, 16045899, 16160602, 16145475, 16137411, 16155875, 16155661, 16136682, 16160594, 16160484, 16160449, 16160687, 16160569, 16160762, 16147947, 16147859, 16147857, 16156762, 16154201, 16151717, 16153874, 16158563, 16152707, 16147948, 16147789, 16145778, 16136097, 16135337, 16147861, 16142638

Key or legend to abbreviations and acronyms used in the safety data sheet

ACGIH	American Conference of Government Industrial Hygienists	LD50	Lethal Dose 50%
AIIC	Australian Inventory of Industrial Chemicals	LOAEL	Lowest Observed Adverse Effect Level
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NDSL	Canada, Non-Domestic Substances List	NIOSH	National Institute for Occupational Safety & Health
CNS	Central Nervous System	NTP	National Toxicology Program
CAS	Chemical Abstract Service	NZIoC	New Zealand Inventory of Chemicals
EC50	Effective Concentration	NOAEL	No Observable Adverse Effect Level
EC50	Effective Concentration 50%	NOEC	No Observed Effect Concentration
EGEST	EOSCA Generic Exposure Scenario Tool	OSHA	Occupational Safety & Health Administration
EOSCA	European Oilfield Specialty Chemicals Association	PEL	Permissible Exposure Limit
EINECS	European Inventory of Existing Chemical Substances	PICCS	Philippines Inventory of Commercial Chemical Substances
MAK	Germany Maximum Concentration Values	PRNT	Presumed Not Toxic
GHS	Globally Harmonized System	RCRA	Resource Conservation Recovery Act
>=	Greater Than or Equal To	STEL	Short-term Exposure Limit
IC50	Inhibition Concentration 50%	SARA	Superfund Amendments and Reauthorization Act.
IARC	International Agency for Research on Cancer	TLV	Threshold Limit Value
IECSC	Inventory of Existing Chemical Substances in China	TWA	Time Weighted Average
ENCS	Japan, Inventory of Existing and New Chemical Substances	TSCA	Toxic Substance Control Act
KECI	Korea, Existing Chemical Inventory	UVCB	Unknown or Variable Composition, Complex Reaction Products, and Biological Materials
<=	Less Than or Equal To	WHMIS	Workplace Hazardous Materials Information System
LC50	Lethal Concentration 50%		

CERTIFICATE OF ANALYSIS

UnivarSolutions

Univar Solutions USA LLC
Marlborough, MA 01752
PH: 508.251.6925
www.univarsolutions.com

Date:	12/31/2025	Replaces:	10/25/2025
Product:	Sodium hydroxide 50%	Terminal:	IMTT, Richmond, CA
Material Grade:	NSF-Membrane	Tank:	20013
Lot #:	BatchNo.B528027723	Shipment:	Argent Aster V.2509
Manufacturer:	Shin-Etsu Japan	Survey #	US410-0023603
Manufacture Date:	11/23/2025	Customer:	Bay Area Chemical Consortium, CA
Order #:		Date of Delivery:	
Shipper ID:			

Analysis Description	UoM	Specification Min.	Specification Max.	Results
Sodium hydroxide (NaOH)	% wt.	48.00	52.00	49.86
Sodium oxide (Na_2O)	% wt.	37.70	40.40	38.63
Sodium chloride (NaCl)	ppm		100	22
Sodium carbonate (Na_2CO_3)	% wt.		0.30	0.08
Sodium chlorate ($NaClO_3$)	ppm		50	15
Sodium sulfate (Na_2SO_4)	ppm		100	27
Iron (Fe)	ppm		5.0	0.5
Nickel (Ni)	ppm		0.5	0.1
Mercury (Hg)	ppm		2	<0.1
Specific gravity @ 60°F	---	1.45	1.60	1.52

Univar Solutions USA LLC,

Jackie Scalzi Signature

Jackie Scalzi Printed Name

Vessel Logistics Mgr. Title

NSF Certified to NSF/ANSI/CAN 60

Note: Maximum Use for Potable Water: 100 mg/L

When tested this product meets the testing requirements of the Food Chemicals Codex (FCC), current edition. Meeting the FCC testing requirement does not guarantee this product is suitable for food related applications. Users of this product should carefully assess to determine suitability for their intended applications.
This product is Kosher certified.

Please consult the SDS for further information. Univar Solutions represents only that the Product shall meet the specifications herein. All transactions involving this Product are subject to Univar Solutions' standard Terms and Conditions, available at www.univarsolutions.com or upon request. Univar Solutions makes no additional representations or warranties, express or implied, as to the Product. **COA-UNS-230 08/25/2025**

CERTIFICATE OF ANALYSIS

UnivarSolutions

Univar Solutions USA LLC
Marlborough, MA 01752
PH: 508.251.6925
www.univarsolutions.com

AFFIDAVIT OF COMPLIANCE
50% LIQUID CAUSTIC SODA
IMTT TANK 20013
Richmond, CA

Metropolitan

Agreement No: AS-406679

Metropolitan

Order No: _____

Contractor

Order No: _____

Delivery Date &

Location: _____

The undersigned hereby certifies that the above-referenced liquid caustic soda, upon delivery, fully complies with the specifications in the above-referenced agreement between the Metropolitan Water District of Southern California and this Contractor.

1. Sodium hydroxide (NaOH) _49.86__% by weight, _12.75__lbs /gal
2. Sodium oxide (Na2O) __38.63__%
3. Specific gravity __1.52_____ @ Temperature _60_ °F

Jackie Scalzi
(Authorized Signature)

_____Jacqueline Scalzi _____
(Print Name)

_____Vessel Logistics Manager _____
(Title)

_____12/31/2025_____
(Date)

Please consult the SDS for further information. Univar Solutions represents only that the Product shall meet the specifications herein. All transactions involving this Product are subject to Univar Solutions' standard Terms and Conditions, available at www.univarsolutions.com or upon request. Univar Solutions makes no additional representations or warranties, express or implied, as to the Product. **COA-UNS-230 08/25/2025**

CERTIFICATE OF ANALYSIS

UnivarSolutions

Univar Solutions USA LLC
Marlborough, MA 01752
PH: 508.251.6925
www.univarsolutions.com

Date:	1/8/2026	Replaces:	11/14/2025
Product:	Sodium hydroxide 50%	Terminal:	IMTT, Richmond, CA
Material Grade:	NSF-Membrane	Tank:	20012
Lot #:	BatchNo.A528037852	Shipment:	Fairchem Mako V.2506
Manufacturer:	Hanwha, Korea	Survey #	US410-0023628
Manufacture Date:	12/8/2025	Customer:	Bay Area Chemical Consortium, CA
Order #:		Date of Delivery:	
Shipper ID:			

Analysis Description	UoM	Specification Min.	Specification Max.	Results
Sodium hydroxide (NaOH)	% wt.	48.00	52.00	49.96
Sodium oxide (Na_2O)	% wt.	37.70	40.40	38.71
Sodium chloride (NaCl)	ppm		100	54
Sodium carbonate (Na_2CO_3)	% wt.		0.30	0.09
Sodium chlorate ($NaClO_3$)	ppm		50	26
Sodium sulfate (Na_2SO_4)	ppm		100	42
Iron (Fe)	ppm		5.0	1.1
Nickel (Ni)	ppm		0.5	0.1
Mercury (Hg)	ppm		2	<0.1
Specific gravity @ 60°F	---	1.45	1.60	1.53

Univar Solutions USA LLC,

Jackie Scalzi Signature

Jackie Scalzi Printed Name

Vessel Logistics Mgr. Title

NSF Certified to NSF/ANSI/CAN 60

Note: Maximum Use for Potable Water: 100 mg/L

When tested this product meets the testing requirements of the Food Chemicals Codex (FCC), current edition. Meeting the FCC testing requirement does not guarantee this product is suitable for food related applications. Users of this product should carefully assess to determine suitability for their intended applications.
This product is Kosher certified.

Please consult the SDS for further information. Univar Solutions represents only that the Product shall meet the specifications herein. All transactions involving this Product are subject to Univar Solutions' standard Terms and Conditions, available at www.univarsolutions.com or upon request. Univar Solutions makes no additional representations or warranties, express or implied, as to the Product. **COA-UNS-230 08/25/2025**

Univar Solutions

Safety Data Sheet
CAUSTIC SODA 50%

Version 1.11 Revision Date: 10/08/2025

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : CAUSTIC SODA 50%

Recommended use of the chemical and restrictions on use

Recommended use : Reserved for industrial and professional use.

Manufacturer or supplier's details

Company : Univar Solutions USA
Address 3075 Highland Pkwy Suite 200
Downers Grove, IL 60515
United States of America (USA)

Emergency telephone number:
Transport North America: CHEMTREC (1-800-424-9300)
CHEMTREC INTERNATIONAL Tel # 703-527-3887

Additional Information: : Responsible Party: Product Compliance Department
E-mail: SDSNA@univarsolutions.com
SDS Requests: 1-855-429-2661
Website: www.univarsolutions.com

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Corrosive to metals : Category 1

Acute toxicity (Oral) : Category 4

Skin corrosion : Category 1A

Serious eye damage : Category 1

Specific target organ toxicity - single exposure : Category 3 (Respiratory system)

GHS label elements

Hazard pictograms :



Signal word : Danger

Hazard statements : H290 May be corrosive to metals.
H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H335 May cause respiratory irritation.

Precautionary statements : **Prevention:**
P234 Keep only in original container.
P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
P264 Wash skin thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
Response:
P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell. Rinse mouth.
P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.
P304 + P340 + P310 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/ doctor.
P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor.
P363 Wash contaminated clothing before reuse.
P390 Absorb spillage to prevent material damage.
Storage:
P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up.
P406 Store in corrosive resistant container with a resistant inner liner.
Disposal:
P501 Dispose of contents/ container to an approved waste disposal plant.

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Hazardous components

CAS-No.	Chemical name	Weight percent
1310-73-2	Sodium hydroxide	50 - 70

Actual concentration is withheld as a trade secret
Any Concentration shown as a range is due to batch variation.

Synonyms : SODIUM HYDROXIDE,

SECTION 4. FIRST AID MEASURES

General advice : Move out of dangerous area.
Consult a physician.
Show this safety data sheet to the doctor in attendance.
Do not leave the victim unattended.

If inhaled : If unconscious, place in recovery position and seek medical advice.
If symptoms persist, call a physician.

In case of skin contact : Immediate medical treatment is necessary as untreated

		wounds from corrosion of the skin heal slowly and with difficulty. If on skin, rinse well with water. If on clothes, remove clothes.
In case of eye contact	:	Small amounts splashed into eyes can cause irreversible tissue damage and blindness. In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Continue rinsing eyes during transport to hospital. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist. Take victim immediately to hospital.
If swallowed	:	Keep respiratory tract clear. Do NOT induce vomiting. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. Take victim immediately to hospital.

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media	:	Carbon dioxide (CO_2) Foam Dry powder
Unsuitable extinguishing media	:	High volume water jet
Specific hazards during firefighting	:	Do not allow run-off from fire fighting to enter drains or water courses.
Hazardous combustion products	:	No hazardous combustion products are known
Further information	:	Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
Special protective equipment for firefighters	:	Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	:	Use personal protective equipment.
Environmental precautions	:	Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities.
Methods and materials for	:	Soak up with inert absorbent material (e.g. sand, silica gel,

containment and cleaning up	acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal.

SECTION 7. HANDLING AND STORAGE

Advice on protection against fire and explosion	:	Normal measures for preventive fire protection.
Advice on safe handling	:	Do not breathe vapours/dust. Avoid contact with skin and eyes. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. To avoid spills during handling keep bottle on a metal tray. Dispose of rinse water in accordance with local and national regulations.
Conditions for safe storage	:	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Observe label precautions. Electrical installations / working materials must comply with the technological safety standards.
Recommended storage temperature	:	16 - 65 °C

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

CAS-No.	Components	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
1310-73-2	Sodium hydroxide	C	2 mg/m3	ACGIH
		C	2 mg/m3	NIOSH REL
		TWA	2 mg/m3	OSHA Z-1
		C	2 mg/m3	OSHA P0
		C	2 mg/m3	CAL PEL

Personal protective equipment

Respiratory protection	:	General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators. Protection provided by air purifying respirators against exposure to any hazardous chemical is limited. Use a positive pressure air supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstance where air purifying respirators may not provide adequate protection.

Hand protection

Remarks	:	The suitability for a specific workplace should be discussed with the producers of the protective gloves.
Eye protection	:	Eye wash bottle with pure water Tightly fitting safety goggles Wear face-shield and protective suit for abnormal processing problems.
Skin and body protection	:	Impervious clothing Choose body protection according to the amount and concentration of the dangerous substance at the work place.
Hygiene measures	:	When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	liquid
Colour	:	No data available
Odour	:	No data available
Odour Threshold	:	No data available
pH	:	14
Freezing Point (Melting point/freezing point)	:	12 - 15 °C (54 - 59 °F)
Boiling Point (Boiling point/boiling range)	:	140 - 145 °C (284 - 293 °F)
Flash point	:	does not flash
Evaporation rate	:	No data available
Flammability (solid, gas)	:	No data available
Upper explosion limit	:	No data available
Lower explosion limit	:	No data available
Vapour pressure	:	No data available
Relative vapour density	:	No data available
Relative density	:	1.5298
Density	:	12.76 lb/gal
Water solubility	:	No data available
Solubility in other solvents	:	No data available
Partition coefficient: n-octanol/water	:	No data available
Auto-ignition temperature	:	No data available
Thermal decomposition	:	No data available

SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	Corrosive to metals Exothermic reaction with acids.
Chemical stability	:	Stable under normal conditions.
Possibility of hazardous reactions	:	No decomposition if stored and applied as directed.
Conditions to avoid	:	Freezing temperatures.

Incompatible materials	:	Heat Acids Metals Oxidizing agents Halogenated compounds organic nitro compounds Zinc
Hazardous decomposition products	:	Hydrogen

SECTION 11. TOXICOLOGICAL INFORMATION

Skin corrosion/irritation

Components:

1310-73-2:
Species: Rabbit
Result: Causes severe burns.

Serious eye damage/eye irritation

Components:

1310-73-2:
Species: Rabbit
Result: Risk of serious damage to eyes.

Carcinogenicity

IARC	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
OSHA	No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.
NTP	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

STOT - single exposure

Product:
Assessment: The substance or mixture is classified as specific target organ toxicant, single exposure, category 3 with respiratory tract irritation.

Further information

Product:
Remarks: No data available

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Components:

1310-73-2:

Toxicity to fish	:	LC50 (Gambusia affinis (Mosquito fish)): 125 mg/l Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Ceriodaphnia dubia): 40.38 mg/l Exposure time: 48 h Test Type: Immobilization

Persistence and degradability

No data available

Bioaccumulative potential

No data available

Mobility in soil

No data available

Other adverse effects

Product:

Ozone-Depletion Potential	:	Regulation: 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances Remarks: This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).
Additional ecological information	:	No data available

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues	:	Dispose of in accordance with all applicable local, state and federal regulations. For assistance with your waste management needs - including disposal, recycling and waste stream reduction, contact Univar Solutions ChemCare: 1-800-637-7922
Contaminated packaging	:	Empty remaining contents. Dispose of as unused product. Do not re-use empty containers.

SECTION 14. TRANSPORT INFORMATION

DOT (Department of Transportation):
UN1824, Sodium hydroxide solution, 8, II

IATA (International Air Transport Association):
UN1824, Sodium hydroxide solution, 8, II

IMDG (International Maritime Dangerous Goods):
UN1824, SODIUM HYDROXIDE SOLUTION, 8, II

SECTION 15. REGULATORY INFORMATION

EPCRA - Emergency Planning and Community Right-to-Know Act

CERCLA Reportable Quantity

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
Sodium hydroxide	1310-73-2	1000	2000

SARA 304 Extremely Hazardous Substances Reportable Quantity
This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards : Corrosive to metals
Skin corrosion or irritation
Serious eye damage or eye irritation
Acute toxicity (any route of exposure)
Specific target organ toxicity (single or repeated exposure)

SARA 302 : This material does not contain any components with a section 302 EHS TPQ.

SARA 313 : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Clean Air Act

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCMI Intermediate or Final VOC's (40 CFR 60.489).

Clean Water Act

The following Hazardous Substances are listed under the U.S. CleanWater Act, Section 311, Table 116.4A:
1310-73-2 Sodium hydroxide

The following Hazardous Chemicals are listed under the U.S. CleanWater Act, Section 311, Table 117.3:
1310-73-2 Sodium hydroxide

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

Massachusetts Right To Know

1310-73-2	Sodium hydroxide

Pennsylvania Right To Know

1310-73-2	Sodium hydroxide
7732-18-5	Water

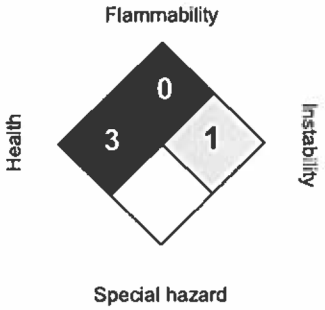
California Prop 65 : This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

The components of this product are reported in the following inventories:

TSCA	: On TSCA Inventory
DSL	: All components of this product are on the Canadian DSL
AICS	: On the inventory, or in compliance with the inventory
NZIoC	: On the inventory, or in compliance with the inventory
ENCS	: On the inventory, or in compliance with the inventory
KECI	: On the inventory, or in compliance with the inventory
PICCS	: On the inventory, or in compliance with the inventory
IECSC	: On the inventory, or in compliance with the inventory

SECTION16. OTHER INFORMATION

NFPA:



HMIS III:

HEALTH	3/
FLAMMABILITY	0
PHYSICAL HAZARD	4

0 = not significant, 1 =Slight,
2 = Moderate, 3 = High
4 =Extreme, * = Chronic

The information accumulated is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since data made become available subsequently to the date hereof, we do not assume any responsibility for the results of its use. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances. This SDS has been prepared by Univar Solutions Product Compliance Department (1-855-429-2661)

SDSNA@univarsolutions.com.

Revision Date : 10/08/2025

Material number:
16228231, 16227550, 16225752, 16224786, 16224337, 16222990, 16222124, 16221457, 16221456, 16221455, 16221454, 16221453, 16221452, 16223098, 16223074, 16222665, 16221351, 16220991, 16219862, 16219987, 16219472, 16219468, 16219014, 16218962, 16218656, 16217898, 16217074, 16214866, 16214865, 16214891, 16214634, 16214633, 16214631, 16214628, 16212043, 16212039, 16212038, 16210888, 16149051, 16210426, 16208930, 16208441, 16207958, 16207089, 16206212, 16206172, 16203117, 16193663, 16191539, 16188943, 16188859, 16188905, 40509, 16144372, 85833, 16187875, 16187706, 16187503, 16187172, 16184289, 16184571, 16183215, 16183115, 16181535, 16174812, 16176162, 16176725, 16175550, 16177057, 16176719, 16176286, 16175611, 16175549, 16177342, 16174633, 16176146, 16175652, 16175317, 16174795, 16174563, 16176924, 16180636, 16169042, 16168322, 16168270, 16168140, 16168139, 16179411, 16169006, 16168617, 16150547, 16162842, 16162538, 16144429, 16173515, 16168911, 16162950, 16162022, 16144216, 16143594

Key or legend to abbreviations and acronyms used in the safety data sheet			
ACGIH	American Conference of Government Industrial Hygienists	LD50	Lethal Dose 50%
AIIC	Australian Inventory of Industrial Chemicals	LOAEL	Lowest Observed Adverse Effect Level
DSL	Canada, Domestic Substances List	NFPA	National Fire Protection Agency
NDSL	Canada, Non-Domestic Substances List	NIOSH	National Institute for Occupational Safety & Health
CNS	Central Nervous System	NTP	National Toxicology Program
CAS	Chemical Abstract Service	NZIoC	New Zealand Inventory of Chemicals
EC50	Effective Concentration	NOAEL	No Observable Adverse Effect Level
EC50	Effective Concentration 50%	NOEC	No Observed Effect Concentration
EGEST	EOSCA Generic Exposure Scenario Tool	OSHA	Occupational Safety & Health Administration
EOSCA	European Oilfield Specialty Chemicals Association	PEL	Permissible Exposure Limit
EINECS	European Inventory of Existing Chemical Substances	PICCS	Philippines Inventory of Commercial Chemical Substances
MAK	Germany Maximum Concentration Values	PRNT	Presumed Not Toxic
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IC50	Inhibition Concentration 50%	SARA	Superfund Amendments and Reauthorization Act.
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KECI	Korea, Existing Chemical Inventory	UVCB	Unknown or Variable Composition, Complex Reaction Products, and Biological Materials
<=	Less Than or Equal To	WHMIS	Workplace Hazardous Materials Information System
LC50	Lethal Concentration 50%		

AFFIDAVIT RE DELIVERY REQUIREMENTS

STATE OF WASHINGTON)
)
COUNTY OF KING)

I, Jennifer Perras, the Sr. Municipal Bid Specialist for Univar Solutions USA LLC. ("Univar") being duly sworn, states that I have read RFP#12-2026 and knows its contents and hereby attests that if Univar utilizes the services of a third party hauling company for some or all of its deliveries, Univar will be responsible for ensuring that said hauler can and will deliver the product to each location shown on the bid documents.

Chemical Transfer Co.-3105 El Dorado St., Stockton, CA 95206	#209-466-3554
Bulk Transportation- 415 S Lemon Ave., Walnut, CA 91789	#909-594-2855
Quality Carriers- 2750 Goodrick Ave, Richmond, CA	#510-232-8313
Rj's Transportation-11949 Hawthorne Ave, CA 92345	#909-732-9144

By _____
Jennifer M. Perras

SUBSCRIBED AND SWORN to before me this 13th day of February 2026, Jennifer M. Perras.

_____
Notary Public for Washington, County of King
My Commission Expires: 10-10-26

STACY L ZIEGLER
MY COMM. EXP. 10-10-26
NOTARY PUBLIC
COMM. NO. 205701
STATE OF WASHINGTON

BAY AREA CHEMICAL CONSORTIUM

REQUEST FOR BIDS
BID NO. 12-2026

FOR SUPPLY AND DELIVERY OF SODIUM HYDROXIDE

BID DUE DATE: 4:00 P.M. PT, Thursday, February 19, 2026
BID OPENING DATE: 4:00 P.M. PT, Thursday, February 19, 2026

Coordinating Agency:
Bay Area Clean Water Agencies

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NOTICE INVITING SEALED BIDS
FOR SUPPLY AND DELIVERY OF SODIUM HYDROXIDE
BAY AREA CHEMICAL CONSORTIUM (BACC)
BID NO. 12-2026

The Bay Area Chemical Consortium (BACC), a cooperative group of public agencies, is seeking competitive sealed bids for the supply and delivery of SODIUM HYDROXIDE. All sealed bids to be considered for this solicitation must be received via our electronic bid platform https://bacwa.org/about-bacc/ by **4:00 P.M. PT, Thursday, February 19, 2026.** Bids received after said date and time will not be considered under any circumstances. Bids submitted by mail or by facsimile will not be accepted. BACC and its member agencies reserves the right to reject any and all bids and to waive informalities and immaterial irregularities or technical defects in the bids received.

For additional information or any questions concerning this bid, use the public Q&A Forum in our electronic bid system.

SECTION I

BAY AREA CHEMICAL CONSORTIUM
GENERAL
FOR BID NO. 12-2026
SODIUM HYDROXIDE

BAY AREA CHEMICAL CONSORTIUM
REQUEST FOR BIDS
FOR SUPPLY AND DELIVERY OF SODIUM HYDROXIDE
BID NO. 12-2026

Sealed bids will only be received electronically via our electronic bid platform https://bacwa.org/about-bacc/ no later than **4:00 P.M. PT, Thursday February 19, 2026**.

1. GENERAL PROVISIONS

The Bay Area Chemical Consortium (BACC) is a cooperative group of public agencies each individually established under the laws of the State of California. For this particular bid solicitation, the participating member agencies include those listed in Section III-1, Estimated Annual Quantities. These participating BACC agencies, acting collectively through their authorized agents, are seeking competitive sealed bids for the supply and delivery of SODIUM HYDROXIDE.

Sealed bids will only be received electronically via our electronic bid platform https://bacwa.org/about-bacc/ no later than 4:00 P.M. PT, Thursday February 19, 2026. Bids received after said date and time will not be considered under any circumstances.

BACC and its member agencies reserves the right to reject any and all bids and to waive informalities and immaterial irregularities or technical defects in the bids received.

If you have any questions regarding this bid, please contact the BACC Coordinators via the electronic bid platform https://bacwa.org/about-bacc/ Q&A forum. Preliminary bid results will be available via our electronic bid platform shortly after the opening date and time.

2. INSTRUCTIONS TO BIDDERS

To receive consideration, bids must be made in accordance with the following instructions:

2.1 Bid Contract Documents

Bids must be submitted only using the forms provided in Section IV, Bid Contract Documents that includes the following: **Bid Form**, **Standard Agreement**, and **Non-Collusion Affidavit**, collectively, the bid contract documents. Bidder must submit bids price per unit of measure as specified via the electronic bid platform https://bacwa.org/about-bacc/. Do not submit the Worksheet. Bid prices submitted on Worksheet will NOT be accepted. All items in the bid contract documents must be filled out completely, signed and dated. The bid contract documents may be rejected if they show any omissions, alterations of form, the addition

of information not requested, a conditional bid, or irregularities of any kind. A complete bid submittal must include all of the following components of the bid contract documents:

- A completed and signed **Bid Form**, including all the attachments requested;
- A fully executed **Standard Agreement**, including references and acknowledgement of receiving any and all addenda, with any deviations duly noted;
- A fully executed **Non-collusion Affidavit**.
- The information required by Section 2.21 as referenced in the Bid Form.
- Name and address of any Third Party Hauler as required by Section 2.5 and the Bid Form, as well as the affidavit referenced in the Bid Form.

Bidder must submit bids price per unit of measure as specified via the electronic bid platform https://bacwa.org/about-bacc/ (Line Items section).

2.2 Estimated Quantity

The quantities indicated are estimates of anticipated usage for a 12-month period and are given for informational purposes only. Nothing in these estimated annual quantities must be construed as obligating any participating BACC agency to purchase specific quantities, as these quantities may vary depending on actual operating conditions and demands during the contract term. All participating BACC agencies reserve the right to purchase any volume of the chemical listed, at the contract price, regardless of stated estimates of quantities. No price adjustments will be allowed as a result of an increase or a decrease in the quantity purchased. For this particular bid solicitation, the estimated annual chemical quantity of each participating member agencies is listed in Section III-1, Estimated Annual Quantities.

2.3 Delivery Locations

The participating BACC agencies are grouped according to their location by relative geographic region. The bidder must quote uniform bid prices for deliveries made to each of the distinct geographic regions. For this particular bid solicitation, the distinct geographic regions for each agency are defined in Section III-1, Estimated Annual Quantities, as well as in Section III-2, Delivery Details.

2.4 Bid Pricing

All bids submitted must include a base unit price, FOB destination, for the chemical for each geographic region per paragraph 2.3 Delivery Locations. Base unit price should NOT include tariffs. Bidders shall provide bid prices via the electronic bid platform https://bacwa.org/about-bacc/ including all costs associated with providing and delivering the chemical to the agency's facility, including materials, labor, equipment, transportation, insurance, overhead, profit, and all applicable taxes except sales tax in effect at the time of delivery. Bids qualified by additional or conditional charges such CPI, escalators, fuel surcharges, or transportation charges between the supplier and the final delivery points will not be allowed.

BACC agencies that use a chemical for treating water for resale may be exempt from paying sales tax, and it will be the responsibility of each BACC agency to notify the successful bidder if some or all of their purchases will be exempt from sales tax per paragraph 3.6 Taxes.

Bid prices must be based on bulk deliveries amount as specified via the electronic bid platform https://bacwa.org/about-bacc/ **.** Bids that do not include unit prices for bulk deliveries to each geographic region specified on the electronic bid platform will be considered irregular and, at the option of BACC and the participating BACC agencies, may be eliminated from further consideration. For bulk deliveries of less than this specified amount, the bidder may, at their option, assess additional charges for "short loads" unless specific requirements for smaller deliveries are described in paragraph 3.7 Delivery Requirements. Any additional "short load" charges must be shown by the bidder as a specific deviation on the bid contract documents. Bidders and/or third party haulers will not be allowed to refuse to make "short load" deliveries.

Any optional item will be shown as a separate line item in the electronic bid platform https://bacwa.org/about-bacc/ and bidders may, at their option, submit unit prices for the optional item. Bids that do not include unit prices for optional item will not be considered irregular and therefore such bids will not be rejected for that reason.

If participating BACC agencies require non-bulk deliveries in containers such as buckets, barrels, or totes, it will be shown as a separate line item in the electronic bid platform https://bacwa.org/about-bacc/ . Bidders may, at their option, submit unit prices for deliveries in buckets, barrels, or totes. Bids that do not include unit prices for buckets, barrels, or totes will not be considered irregular and therefore such bids will not be rejected for that reason. If none of the participating BACC agencies require non-bulk deliveries in containers such as buckets, barrels, or totes, the electronic bid platform https://bacwa.org/about-bacc/ will not include spaces to enter bid prices for such non-bulk deliveries in containers such as buckets, barrels, or totes, however, if a participating BACC agency later decides that they need deliveries in containers, bidders may, at their option, negotiate with the BACC agency to determine a price for deliveries in containers such as buckets, barrels, or totes.

2.5 Bidder Qualifications

A qualified bidder is one determined by BACC and the participating BACC agencies to meet standards of business competence, reputation, financial ability, and product quality. A responsive bidder is a firm/person who has submitted a bid that conforms in all material respects to the terms and conditions, the specifications of the chemical, and any other requirement of the bid instructions. A responsible bidder is a firm/person who has the capability in all aspects to perform full contract requirements, and who has the integrity and reliability that will assure good faith and specific performance. Bidders that intend to utilize a third-party hauling company for completing some or all of their deliveries must indicate the name and contact information of the third-party hauling company on the Bid Form. Before submitting a bid, the bidder must carefully examine and read all parts of the bid contract documents and be fully informed as to all existing conditions and limitations. It should be noted that, upon selection and approval of the successful bidder, the entire contents of the bid contract documents will become part of the full contract

between the participating BACC agency and successful bidder (see paragraph 3.5 Purchase Orders / Contracts).

2.6 Authorized Signatory of Bid Contract Documents

The person signing the submitted bid must be fully authorized to represent and legally bind the bidding company to the terms and conditions described herein. A corporate officer must sign bids by corporations in the corporate name. The State of incorporation must be written in below the corporate name. Bids by partnerships must be signed in the partnership's name and signed by a partner with his/her title shown.

2.7 References

The bidder must submit with the bid a list of a minimum of three references that have purchased similar chemicals and services from the bidder. The bidder must provide the company or agency name, contact name, and telephone number for each reference. Whenever possible, bidders should provide references for customers from the same geographic regions as the participating BACC agencies. Bidders may provide references from BACC agencies. These references must be shown on the Standard Agreement contained herein.

2.8 Bid Submittal

Electronic bids will only be received via the electronic bid platform https://bacwa.org/about-bacc/ **by no later than 4:00 P.M. PT, Thursday, February 19, 2026**. Electronic bids shall contain all required attachments and information. Bidders must submit bids price per unit of measure as specified via the electronic bid platform https://bacwa.org/about-bacc/ (Line Item section). Bidders are cautioned that failure to comply may result in non-acceptance of the bid. Bids received after said date and time will not be considered under any circumstances. BACC will not be responsible for any delays or transmission errors. Bidder accepts all risks of late delivery of electronic bids. It is the bidder's responsibility to ensure that bid submitted is received by the electronic bid platform https://bacwa.org/about-bacc/ prior to scheduled bid opening. Any attachment will remain sealed and will not be opened until the appointed bid opening date and time. Bidders not receiving confirmation receipt should contact the electronic bid platform vendor https://bacwa.org/about-bacc/ to make sure that their electronic submittal has gone through.

2.9 Modification, Addenda, and Interpretations

Any explanation desired by the bidders regarding the meaning or interpretation of this particular bid solicitation including the bid contract documents must be requested via the electronic bid platform Q&A Forum at least five (5) business days prior to the time set for the bid opening. Any and all such interpretations or modifications must be in the form of a written request to the BACC Coordinator via the electronic bid platform Q&A Forum. All changes to this particular bid solicitation document including the bid contract documents initiated by the BACC Coordinator will be through written addenda and furnished to all bidders via the electronic bid platform. Addendum will be issued no later than 72 hours before bid opening. Any written addendum issued 72 hours before the date and time of the bid opening will become a part of the bid contract documents and must be acknowledged on the Standard Agreement form that

each bidder submits. Failure to acknowledge any and all the addendum(s) on the Standard Agreement form may be cause for rejection of the bid.

2.10 Modification of Bids

A bidder may modify their bid via the electronic bid platform prior to the date and time of the bid opening. Modifications of any bid prices, terms and conditions must be electronically submitted via the electronic bid platform prior to the time of the bid opening. It shall be the responsibility of the respective bidder to determine if their written modification was received in time by electronic bid platform. BACC reserves the right to accept or reject any proposed modifications of the bid terms and conditions.

2.11 Withdrawal of Bids

Any bid may be withdrawn any time prior to the stated bid opening date and time (closing time) only via the electronic bid platform. The withdrawal request must be executed by the bidder or a duly authorized representative. The withdrawal of the bid does not prejudice the right of the bidder to file a new bid prior to the bid closing time. No bids may be withdrawn after the bid opening date and time.

2.12 Proposed Deviations from the Specifications by the Bidder

Any deviation from the specifications described herein or in a written addendum that is proposed by a bidder must be noted in detail on the Standard Agreement form, and a copy of the proposed specification must be attached to the Standard Agreement form at the time of submission. The absence of a proposed change in the specifications will hold the bidder strictly accountable to the specifications as described herein. If proposed deviations from the specifications are submitted, the bidder's name should be clearly shown on each document. Each BACC agency will be responsible for individually accepting or rejecting any proposed deviations from the described specifications.

2.13 Competency of Bidders

Before any contract is awarded, the bidder may be required to furnish a complete statement of financial ability and experience in performing the proposed services. In accordance with the provisions of the California Business and Professions Code and other regulations, the bidder must have and maintain current any and all necessary licenses or certificates.

2.14 Rejection of Bids

The BACC and/or its individual agencies reserves the right to reject any and all bids and reserves the right to waive a bid deficiency or reject a bid for any reason, including but not limited to the following: informalities, nonconforming, non-responsive or conditional bids, bids showing any alterations of form or erasures or irregularities of any kind, additional information not requested, incomplete bids, or bids not conforming with the instructions in any way. Bidders that plan to utilize a third-party hauling company that refused to deliver to one or more of the participating agencies in the past three (3) years will be rejected as non-responsive.

2.15 Opening Bids

A preliminary bid results showing apparent lowest bid will be available on the electronic bid platform shortly after the bid opening date / time.

2.16 Method of Award

Bids may be awarded to the lowest responsive and responsible bidder for each listed region meeting the specifications for bulk loads for the chemical. The lowest responsive bidder for this chemical will be determined for each region listed on the Bid Form. The bidder that meets the specifications and submits the lowest overall bid price for a particular region may be awarded the bid by the participating agencies in that region, assuming the bid is determined by BACC to be complete and in compliance with the bid requirements. The lowest overall bid price for each region will be determined by multiplying the estimated annual quantity for each participating agency within the particular region by the bid prices for the region, and adding up the aggregate cost. BACC has the right to delete terms or options from the bid contract documents, and reserves the right to reject any and all bids and to waive irregularities in said bids. The following is a non-inclusive list of criteria that must be used in award of the bid:

a. Unit cost of the chemical
b. Product specifications
c. Warranties or standards of quality
d. Capabilities to deliver product throughout the contract term
e. Bidder's reputation, competency, and previous customer service record
f. Third party hauling company's reputation, competency, and previous customer service record (if applicable)
g. Fully executed non-collusion affidavit

2.17 Disqualification of Duplicate or Collusive Bidders

More than one bid proposal from an individual, a firm or partnership, a corporation or an association under the same or different names will not be considered. Reasonable grounds for believing that any bidder is interested in more than one bid for the bid contemplated will cause rejection of all bids in which such bidder is interested. If there is reason for believing that collusion exists among the bidders, any and all bids may be rejected. Bidders must execute and submit with their bid the Non-Collusion Affidavit included in the bid document.

2.18 Identical Bids

In the case of tied or identical bids corresponding to the proposed unit costs, BACC reserves the right to award the bid based on additional criteria. If a tied bid is not rejected for any reason as described in paragraph 2.16 Method of Award, then any additional costs described in the "Specific Deviations" such as short load adders, will be used to determine the lowest responsive bidder. If considering additional costs as described in the "Specific Deviations" still doesn't produce a winning bidder (i.e. if the tied bidders quote identical short load adder prices), then any exceptions or conditions described in the "Specific Deviations" will be considered in an effort to determine the lowest responsive bidder. If the latter still fails

to produce a winning bidder, then BACC will draw lots by placing the names of the tied bidders in a hat and drawing a name. If drawing lots is deemed necessary, BACC will schedule a time to draw lots and the tied bidders will be invited to attend and witness the drawing.

2.19 Material Warranty

Before the bid is awarded and, if applicable, the bidder may be required to furnish a complete statement of the origin, composition and manufacture of any or all chemicals to be supplied, together with samples. The samples may be subjected to tests to determine their quality and fitness for the intended uses.

2.20 Bid Summary

Bid proposals will be summarized and reviewed with the BACC agencies following the bid opening. Bid summaries or tabulations will also be provided to the responsive bidders within ten (10) business days following the bid opening. After a careful review of the bids by each of the participating BACC agencies, bids may be awarded based on the criteria outlined in paragraph 2.16 Method of Award.

2.21 Manufacturer's Information

Bidders must submit with their bid contract documents the following:

- **a.** In accordance with Section 64590, Title 22 of the California Code of Regulations (CCR), no chemical or product shall be added to drinking water by a water supplier unless the chemical or product is certified as meeting the specifications of NSF International/American National Standard Institute (NSF/ANSI) 60-2005 (Drinking Water Treatment Chemicals—Health Effects). Certification shall be from an ANSI accredited product certification organization whose certification system includes the criteria for ensuring the chemical or product meets NSF/ANSI Standard 60 per Section 64590 of the CCR. Bidders must submit an affidavit of compliance from the ANSI accredited product certification organization. Bidders must include a statement by the chemical manufacturer, signed by an authorized representative on letterhead stationery, attesting to the affidavit's validity. In lieu of submitting an affidavit of compliance and a letter attesting to the affidavit's validity, a current printout from the ANSI accredited product certification organization is acceptable.
- **b.** A representative analysis of the chemical to be supplied, as prepared by a reputable outside laboratory or bidder's in-house laboratory if ISO certified.
- **c.** Name and address of the chemical manufacturer.
- **d.** Product Bulletin and Typical Properties.
- **e.** Safety Data Sheet (SDS).

3. SPECIAL INSTRUCTIONS TO BIDDERS

3.1 Chemical Requirements

The chemical to be provided under the terms and conditions of this bid must meet the bid specifications described in the pages that follow.

3.2 Safety Requirements

The bidder, their employees, subcontractors, and/or agents must conform to the rules and regulations pertaining to safety established by the California Division of Industrial Safety, and they must adhere to all State, Federal and Occupational Safety and Health Act (OSHA) safety standards, including compliance with any applicable State or local health order related to COVID-19 while they are on the premises of any BACC agency. Furnished equipment, materials, and/or services must comply with all OSHA standards and regulations, and all applicable governmental laws and orders. The BACC agencies reserve the right to individually refuse any shipment, at their sole discretion, which cannot be unloaded using safe and proper techniques. Any such refusal must result in the return of the chemical at the successful bidder's sole expense. If requested by a participating BACC agency, the successful bidder and/or the firm providing transportation of the chemical shall submit to a safety briefing at the BACC agency's site before commencing deliveries to the respective BACC agency. The successful bidder and/or the firm providing transportation of the chemical are required to comply with the site specific safety requirements of each participating BACC agency. Bidders should be aware that some BACC agencies do not allow smoking on site. Site safety requirements will be available for review during the bid period upon request to the BACC Coordinator. In addition, if requested by a participating BACC agency, the successful bidder and/or the firm providing transportation of the chemical may be asked to review site safety materials and provide a signed acknowledgement of their receipt of the site safety materials.

3.3 Spillage

The successful bidder must be prepared to provide safety training on the safe handling and use of the chemical and emergency procedures in the event of a leak or spill. Should a chemical spill or leak result due to negligence, faulty equipment, or inferior packaging on the part of the bidder or their agents, the bidder and their agents must be responsible for cleaning the spill or leakage and for bearing any cost incurred due to spill or leakage clean-up. It must be the successful bidder's responsibility to effect immediate containment, clean-up, disposal, and restoration activities in accordance with the individual facility's requirements and any and all applicable laws and regulations. All material associated with such clean-up operations must be hauled away and lawfully disposed of at no charge to the agency where the delivery is being made. The property of the agency where the delivery is being made must not be used for such disposal. If the spill is NOT cleaned up, the agency will hire a certified hazardous material handling company to clean up the spill, and the costs incurred, including any fines or penalties which may be imposed by regulating authorities, will be charged to the bidder or deducted from amounts owed. Chemicals must stay in the possession of the bidder and must not be unloaded until accepted by the participating BACC agency. All chemicals must be delivered in accordance with Department of Transportation regulations.

3.4 Chemical Orders

All orders placed throughout the contract period, as defined in paragraph 4.11 Term of Contract, will be initiated separately by each participating BACC agency, and each BACC agency will be responsible for the coordination of all aspects of those orders with the successful bidder. Inquiries in reference to individual orders during the contract period must be directed to the appropriate BACC agency.

3.5 Purchase Orders / Contracts

Individual purchase orders, purchase agreements, and / or contracts will be issued to the successful bidder by each participating BACC agency, and all chemical sales must be invoiced separately to the respective BACC agency. Each BACC agency may require additional contract requirements specific to the agency which are not included in this bid document and bidders need to contact the agencies for specific details and perform due diligence prior to submitting a bid. The contracted unit cost of the chemical is the awarded bid price. The successful bidder may seek a price increase for any nontrivial change requested by the participating BACC agency in the terms and conditions of the participating BACC agency's purchase order, purchase agreements, and / or contracts. The successful bidder may not change the price throughout the term of the contract unless by mutual written agreement between BACC agency and successful bidder per Section 4.4 Modification of Contract.

3.6 Taxes

Pursuant to the Sales and Use Tax Law, water treatment facilities are entitled to submit *Resale Certificates* to the California State Board of Equalization which exempt that utility from paying sales tax on any chemical purchased for the expressed use of producing a consumable water product. The participating BACC agencies that provide potable and/or recycled water to customers will be responsible for providing the successful bidder with these certificates or letter documenting their determination if the chemical they seek to purchase is exempt from sales tax. BACC agencies that do not notify the successful bidder that their agency is exempt from paying sales tax shall be invoiced with sales tax shown as a separate, itemized cost on the invoice. Chemicals purchased solely for the use in wastewater treatment and disposal facilities are subject to sales tax.

3.7 Delivery Requirements

Bidders are responsible for reviewing each of the listed delivery locations or geographic regions for each participating BACC agency and ensuring that their product can be delivered to each location prior to submitting a bid. Bidders that intend to utilize the services of a third party hauling company for some or all of their deliveries are responsible for ensuring that the hauler they have selected can and will deliver their product to each location listed in Section III-2, Delivery Details, and for submitting an affidavit pertaining to assurance with their bid. Failure to provide this assurance and submit an affidavit may be cause for rejecting their bid. Delivery bills of lading must be provided for each shipment. All bulk shipments must include a weight ticket from a certified weigh station in addition to a shipping manifest. Delivery times and dates must be coordinated between the successful bidder and each participating BACC agency on a schedule that meets the needs of the BACC agency, but at no time can a delivery occur more than seven (7) days after the order is placed unless the respective BACC agency requests a later delivery. No delivery can be made when a BACC agency representative is not on site. The successful bidder must notify the BACC agency of any anticipated late deliveries at least 24 hours in advance of the scheduled delivery time and date, unless delivery delays are the result of in-route transportation delays, then notification must be provided as soon as possible to inform the BACC agency of the anticipated delivery date and time. Persistently late or cancelled deliveries (defined as three or more over the contract period) may be used as a basis for contract termination. Failure to provide notice of late delivery as required by this section may also be a basis for contract termination. Any deliveries not meeting chemical quality, regulatory,

safety, or delivery requirements will be returned to the successful bidder at no cost to the BACC agency, and must be re-delivered by the bidder within 48 hours of the unacceptable delivery.

3.8 Force Majeure

Any bidder that anticipates a workforce interruption, including due to COVID-19 restrictions, or a production shutdown that could affect delivery of the chemical must fax or e-mail notifications to all participating BACC agencies to notify them of the potential interruption in deliveries. A telephone call must also be made to each BACC agency as a follow-up notification.

3.9 Emergency Supply Plan Description

BACC requests that bidders provide a summary of plans addressing their ability to be able to continue to supply product in the event of an unexpected disaster or urgent emergency event.

3.10 Safety Data Sheet (SDS)

Bidders must submit a Safety Data Sheet (SDS) for the product offered with the bid. The successful bidder must provide a new SDS for the chemical with the first delivery or if the SDS is modified during the contract term.

3.11 Payments

Payments for all chemicals will be made individually by each participating BACC agency thirty (30) days after receipt of a complete and accurate invoice. BACC itself does not have any legal authority to conduct business and therefore cannot be held responsible for the financial arrangements made between each individual BACC agency and the successful bidder. Cash discounts for early remittance of payment must be stated on the invoice, if applicable. The bidder is responsible for submitting accurate invoices to each BACC agency. The BACC agencies are not responsible for late payments resulting from the submission of inaccurate invoices. If bidder continues to submit inaccurate invoices after being put on notice by the BACC agency, the contract between the bidder and the BACC agency may be terminated.

3.12 Legislative Impacts

In the event the legislative body of any BACC agency fails to appropriate funds for the purchase of the chemical, the respective BACC agency may terminate such contract without penalty and thereupon be released of further obligation.

3.13 Subcontracting

No portion of the bid award may be subcontracted to another chemical manufacturer or supplier without the prior written approval of all of the participating BACC agencies.

3.14 Laws and Regulations

All applicable State of California and Federal laws, City, County, and Special District ordinances, licenses, and regulations of all participating BACC agencies having jurisdiction must apply during the contract period, including any applicable State or local health order related to COVID-19.

3.15 Insurance

For services requiring the supplier's or their subcontractor's presence on any BACC agency property, the successful bidder must acquire and maintain at their expense for the duration of the term of the contract the following insurance policies: Workers' Compensation, Employer's Liability, Commercial General Liability, Business Vehicle and Automobile Liability, and Contractor's Pollution Liability Insurance coverage from insurers either (i) admitted by the California Insurance Commissioner to do business in the State of California and rated no less than A.M. Best's rating of no less than A:VII, or (ii) authorized by the BACC agency's risk manager(s) or his/her designee at any time in his/her sole discretion, all relating to the supplier's services to be performed hereunder covering the BACC agency's risks. The minimum amounts of coverage, and the breadth of coverage, corresponding to the aforesaid categories of insurance per insurable event, must be as follows, however, the insurance limits available to each participating BACC agency, their officers, officials, employees, agents and volunteers as additional insured parties, shall be the greater of the minimum limits specified herein or the full limit of any insurance proceeds available to the named insured:

INSURANCE CATEGORY	MINIMUM LIMITS
Workers' Compensation Insurance	California Statutory Minimum
Employer's Liability Insurance	$2,000,000 per accident, and $1,000,000 per employee for bodily injury or disease.
Commercial General Liability Insurance	$5,000,000 per occurrence for bodily injury, personal injury, and property damage.
Business Vehicle and Automobile Liability Insurance	$2,000,000 per accident for bodily injury and property damage.
Contractor's Pollution Liability	$1,000,000 per occurrence, $2,000,000 policy aggregate.

Prior to commencement of any performance under the contract, the successful bidder must furnish to each participating BACC agency an original Certificate of Insurance, and copies of information or declaration pages for the insurance required with respect to evidence of all policies of insurance required as noted above. All policies of insurance must be endorsed to name the respective BACC agency, their officials, officers, employees, agents, and volunteers as additional insured parties. For any claims related to the contract, bidder's insurance coverage shall be primary insurance with respect to each participating BACC agency, their officials, officers, employees, agents and volunteers. Any insurance or self-insurance maintained by any BACC agency party, their officials, officers, employees, agents and volunteers shall be excess of the bidder's insurance and shall not contribute with it. The successful bidder will be responsible for contacting each participating BACC agency to ascertain the proper name or names of the agency specific entities to be included in the endorsements.

The successful bidder must also provide each participating BACC agency with a MSC-90 endorsement, required for transporters of hazardous materials and/or wastes.

The successful bidder hereby agrees to waive subrogation which any insurer of the bidder may acquire from vendor by virtue of the payment of any loss. Bidder agrees to obtain and provide to each BACC agency any endorsement that may be necessary to affect this waiver of subrogation. The Workers' Compensation policy shall be endorsed with a waiver of subrogation in favor of each participating BACC agency for all work performed by the bidder, its employees, agents and subcontractors.

The successful bidder must maintain the required insurance at all times while the contract is in effect, and must replace any certificate, policy or endorsement which will expire prior to that date. All policies of insurance must be endorsed to provide the required insurance and must not be suspended, voided, reduced, canceled, or allowed to expire except on thirty (30) days prior written notice to each participating BACC agency. The Certificate of Insurance must have a cancellation statement worded as follows: *"Should any of the above described policies be cancelled before the expiration date thereof, the issuing company must mail thirty calendar (30) written notice to the Certificate holder named to the left."*

4. TERMS AND CONDITIONS

4.1 Indemnification

To the fullest extent allowed by law, the successful bidder and its employees, subcontractors, and agents shall defend, indemnify, and save and hold harmless each participating BACC agency, its officers, agents, employees and volunteers from any claims, suits or actions of every name, kind and description brought forth, or on account of, injuries to or death of any person (including but not limited to workers and the public), or damage to property, resulting from or arising out of the successful bidder's or its personnel, employees, agents, or subcontractors' willful misconduct or negligent act or omission while engaged in the performance of services described in this bid document, except those matters arising from the participating BACC agency's sole negligence or willful misconduct. The parties intend that this provision shall be broadly construed.

This indemnification includes, without limitation, the payment of all penalties, fines, forfeitures, judgments, awards, decrees, attorney's fees, and related costs or expenses, and the reimbursement of any BACC agency, its officials, officers, employees, agents, and volunteers for all legal expenses and costs incurred by each of them.

The successful bidder's responsibility for such defense and indemnity obligations shall survive the termination or completion of the contract for the full period of time allowed by law. The defense and indemnity obligations of the contract are undertaken in addition to, and shall not in any way be limited by, the insurance obligations contained in the contract.

If the successful bidder should subcontract all or any portion of the work to be performed under the contract, the successful bidder shall require each subcontractor to indemnify, hold harmless and defend each participating BACC agency and each of its officials, officers, employees, agents and volunteers in accordance with the terms of the preceding paragraphs.

4.2 Bid Protests

Any bid protest must be submitted electronically via email to the BACC Coordinator before 3:30 p.m. on the fifth (5th) business day following bid opening (jdyment@bacwa.org).

a. The protest document must be provided as one PDF and must contain a complete statement of the basis for the protest and all supporting documentation and evidence.
b. The party filing the protest must have actually submitted a bid for the chemical. A subcontractor of a party submitting a bid for the chemical may not submit a bid protest. A party may not rely on the bid protest submitted by another bidder, but must timely pursue its own protest.
c. The protest must refer to the specific portion of the bid document which forms the basis for the protest.
d. The protest must include the name, address and telephone number of the person representing the protesting party.
e. The party filing the protest must concurrently transmit a copy of the protest document and any attached documentation to all other parties with a direct financial interest which may be adversely affected by the outcome of the protest. Such parties shall include all other bidders who appear to have a reasonable prospect of receiving an award depending upon the outcome of the protest.
f. BACC will give the bidder that is the subject of the protest five (5) business days after the receipt of the protest to submit a written response. The responding bidder shall submit the response to the protesting bidder concurrent with delivery to BACC.
g. The procedure and time limits set forth in this paragraph are mandatory and are the bidder's sole and exclusive remedy in the event of bid protest. All protests and responses received after the time set forth herein will be rejected. The bidder's failure to comply with these procedures shall constitute a waiver of any right to further pursue the bid protest.
h. BACC will not be responsible for any delays or transmission errors. The protesting bidder accepts all risk of late delivery of electronic protests. If is the protesting bidder's responsibility to ensure that a submittal protest is received by the bid coordinator listed in this solicitation by the due date and time. Protesting bidders should contact the bid coordinator to make sure that their electronic submittal has gone through.
i. If BACC determines that a protest is frivolous, the protesting bidder may be determined to be non-responsible and that bidder may be determined to be ineligible for future contract awards.

4.3 Equal Opportunity

The successful bidder must agree not to refuse the hire, discharge, promote, or to otherwise discriminate in the matters of compensation against any person otherwise qualified solely because of race, creed, sex, national origin, ancestry, or physical handicap. It must be a condition that any company firm or corporation supplying goods or services, must be in compliance with the Americans with Disabilities (ADA) Act of 1990. A certificate stating compliance with the ADA may be required, upon request, by any BACC agency.

4.4 Modification of Contract

This bid solicitation document including the bid contract documents, in conjunction with each BACC agency's purchase order, purchase agreement and / or contract, will constitute the entire contract between each BACC agency and the successful bidder. The contract may not be modified, altered, or amended except by the mutual written agreement of the respective BACC agency and the successful bidder.

4.5 Common Language

Unless otherwise specified in this document, all words must be given their plain, common and ordinary meaning unless the context in which they are used clearly requires a different meaning. Words in the singular number include the plural, and in the plural include the singular. Additionally, words in the masculine gender include the feminine and the neuter, and when the sense so indicates, words of the neuter gender may refer to any gender.

4.6 Proprietary Information

All information included in any bid proposal that is of a propriety nature must be **clearly** marked as such. Each BACC agency must be held harmless from any claims arising from the release of proprietary information not clearly designated as such by the Bidder.

4.7 Patent Guarantee

The bidder must, with respect to any bidder's standard products, indemnify, defend and hold harmless each participating BACC agency, its employees and agents, from any and all costs and damages because of claims or litigation on account of infringement or alleged infringement of any letters patent or patent rights by reason of the sale or normal use of such products, provided that the bidder is promptly notified of all such actual or potential infringement suits, and is given an opportunity to participate in the defense of the participating BACC agencies.

4.8 Quality Control

The bidder's chemical may be inspected and/or sampled before, during, or after any delivery and tested to confirm compliance with all of the specifications. Persistent clogging, deliveries containing significant amounts of debris, and/or chemical not meeting the technical specifications will be considered to be deficiencies. If deficiencies are detected, the chemical will be rejected and the bidder will be required to remove and replace any and all of the chemical and clean the associated tanks and piping that are contaminated by a delivery that is determined to be deficient, at no cost to the participating BACC agency. If the bidder fails to remove and replace the deficient chemical in a timely manner after being notified of the problem by the participating agency, the participating agency may remove and dispose of the contaminated chemical and clean the chemical storage tank or tanks and the associated piping all at the bidder's expense. Payment for the delivered chemical will not be made until the defects are corrected and the chemical is properly replaced and accepted. Repeat failures to comply with the specifications must constitute grounds for termination of the contract.

4.9 Term of Contract

The term of the contract between the respective BACC agency and the successful bidder will be twelve (12) months commencing July 1, 2026, and expiring June 30, 2027, with an option to extend the contract on a year-to-year basis, not to exceed three (3) yearly renewals if conditions and service are satisfactory to both the respective BACC agency and the successful bidder. The price for any succeeding periods of service shall be determined by negotiation between the respective BACC agency and the successful bidder.

4.10 Good Faith Bidding and Contracting

The participating BACC agencies listed on this bid solicitation are bidding in good faith and have agreed not to extend an existing bid in lieu of contracting with the lowest responsive bidder. However, nothing in this bid solicitation shall prevent a BACC agency from rejecting all bids and separately procuring the services they require, if deemed in the best interest of their respective agency.

4.11 Termination of Contract

Any BACC agency may terminate their contract with the successful bidder for any reason by providing the successful bidder written notice of termination, and specifying the effective date thereof, at least thirty (30) days before the effective date. Termination of the contract by one BACC agency does not affect the contractual relationship between the successful bidder and any other BACC agency.

4.12 Termination for Cause

In the event of a breach of any term or provision of the contract by the successful bidder, a BACC agency may terminate the contract with respect to supply of chemicals for that agency by providing the successful bidder with written notice of such termination, and specifying the effective date thereof, at least ten (10) days before the effective date. Termination of the contract by one BACC agency does not affect the contractual relationship between the successful bidder and any other BACC agency.

4.13 Effect of Termination

Any termination by a BACC agency, with or without cause, must not affect the validity of the contract between the successful bidder and any other BACC agency, nor must such action affect any rights, remedies, or obligations of the successful bidder or any other BACC agency.

4.14 Assignment

The successful bidder must under no circumstances assign the contract without the prior written consent of each participating BACC agency. Any assignment, or attempt at assignment, made without such consent of each participating BACC agency may be considered a breach of contract.

4.15 Competitiveness and Integrity

The participating BACC agencies have assigned control of the acquisition process to the BACC coordinating agency identified in the *Notice Inviting Sealed Bids* of this document, to prevent biased evaluations and to preserve the competitiveness and integrity of such acquisition efforts. Bidders are to direct all communications regarding this bid to the designated BACC Coordinator, unless otherwise specifically

noted, or unless approved in writing by the BACC Coordinator. Attempts by bidders to circumvent this requirement will be viewed negatively and may result in rejection of the offending bidder's offer. The BACC Coordinator may refer communications to other participating BACC agencies for clarification.

-END OF SECTION-

SECTION II

BAY AREA CHEMICAL CONSORTIUM
PRODUCT TECHNICAL SPECIFICATIONS
FOR BID NO. 12-2026
SODIUM HYDROXIDE

PRODUCT TECHNICAL SPECIFICATIONS
SODIUM HYDROXIDE, 20% Solution

1. Typical Analysis:

Characteristics	Units	Minimum	Maximum
Sodium Hydroxide, NaOH	Wt %	19	21
Sodium Oxide, Na_2O	Wt %	14.37	16.28
Sodium Chloride, NaCl	PPM	0	100
Sodium Carbonate, Na_2CO_3	Wt %	0	.15
Sodium Chlorate, $NaClO_3$	PPM	0	<1
Sodium Sulfate, Na_2SO_4	PPM	0	80
Nickel, Ni	PPM	0	0.5 *
Iron, Fe	PPM	0	5 *
Mercury, Hg	PPM	0	2
Specific Gravity		1.2124	1.2344

- Sodium hydroxide for wastewater treatment applications is allowed to have up to 9 mg/L iron and up to 3 mg/L nickel.

2. Product Specifications:
   a. The Sodium Hydroxide (NaOH) shall be in liquid form and shall conform to the current version of the American Water Works Association's Standard for Caustic Soda B501-19 and to the Water Chemicals Codex, 1982; except as modified or supplemented herein.
   b. For all potable water treatment (drinking water) applications the liquid Sodium Hydroxide supplied shall be tested and certified as meeting the specifications of the American National Standards Institute/National Sanitation Foundation Standard 60 (ANSI/NSF Standard 60) Drinking Water Treatment Chemicals – Health Effects. The NSF certification for the Sodium Hydroxide (NaOH) bid must be current on the date of the bid submittal.
   c. It is the responsibility of the Bidder to inform the participating BACC Agency, within 24 hours from the time of verbal or written notification, that NSF certification has been revoked or lapsed. For all potable water treatment (drinking water) applications, the loss of NSF certification shall constitute sufficient grounds for immediate termination of the contract.
   d. Bill of lading must clearly identify product delivered to be NSF 60 certified by stamp or type written statement – no handwritten notations will be accepted. Failure to provide clear identification of NSF product will result in rejection of the load at no cost to the participating BACC Agency.
   e. Billing weight is defined as delivery weight x percentage N_a20 (from lab report)/76.

3. Quality:
   a. The liquid Sodium Hydroxide (NaOH) to be delivered in conformity with this bid shall be 20% liquid solution, as specified herein. Caustic defined as "20% solution" must fall within the specified range of 19%-21% active ingredient to meet the requirements of this specification.
   b. The liquid Sodium Hydroxide (NaOH) shall contain no more than 5 mg/L iron and no more than 2 mg/L mercury and no more than 0.5 mg/L nickel. No exceptions to these limitations will be allowed for any sodium hydroxide provided for potable water treatment applications. However, for sodium hydroxide used for wastewater treatment applications, up to 9 mg/L for iron (Fe) and up to 3 mg/L for nickel (Ni) will be allowed as noted above. For wastewater treatment

applications, concentrations of iron (Fe) greater than 9 ppm maximum and nickel (Ni) greater than 3 ppm maximum, may cause problems for the customer and therefore may be cause to terminate the contract if any excursions of these concentrations limits for iron or nickel cannot be reduced by the successful Bidder in subsequent deliveries to the respective customer.

c. The liquid Sodium Hydroxide (NaOH) shall be free from contaminating substances which could interfere with the normal operation of the customer's facilities by causing clogging or blockage of feed lines, valves, strainers, or measuring devices.

4. Certificate of Analysis:

a. A certificate of analysis prepared by a reputable outside laboratory or bidder's in-house laboratory if ISO certified shall be submitted for each liquid Sodium Hydroxide (NaOH) delivery. The certificate of analysis shall be based on a representative sample of the specific batch or lot of chemical currently being used to make deliveries. The certificate of analysis shall contain the following:

- Date of manufacture
- Date of delivery
- Shipper ID
- Sodium Hydroxide NaOH Wt %
- Sodium Oxide Na_2O Wt %
- Sodium Sulfate Na_2SO_4 PPM
- Sodium Chloride NaCl PPM
- Sodium Carbonate Na_2CO_3 Wt %
- Sodium Chlorate $NaClO_3$ PPM
- Iron Fe PPM
- Mercury Hg PPM
- Nickel Ni PPM
- Density @ 60^0 lbs/gal
- Specific Gravity

No deliveries will be accepted unless accompanied by the said certificate of analysis for the specific batch or lot of chemical delivered and the quality specifications as listed above.

b. Charges for certificate of analysis shall be included in the bid price.

c. Failure to supply the required certificate of analysis shall be sufficient cause to reject the load. A certificate of analysis that does not meet AWWA Standard B501 shall be cause to reject the delivery.

d. One 200 mL sample of the delivered product shall be provided by the Bidder if requested by the customer either when the order is placed or at the time of delivery. In order to ensure these samples are representative of the chemical being delivered, the samples shall be drawn from the delivery truck at the time of delivery. Samples may be collected from any delivery, and the frequency upon which samples are collected will be entirely at the discretion of the customer. Samples will be collected at the unloading station, where containment and safety showers are provided. The customer will decide at what point during any delivery that they wish to collect a sample.

PRODUCT TECHNICAL SPECIFICATIONS
SODIUM HYDROXIDE, 25% Solution

1. Typical Analysis:

Characteristics	Units	Minimum	Maximum
Sodium Hydroxide, NaOH	Wt %	23	27
Sodium Oxide, Na_2O	Wt %	15.5	20.2
Sodium Chloride, NaCl	PPM	0	100
Sodium Carbonate, Na_2CO_3	Wt %	0	0.15
Sodium Chlorate, $NaClO_3$	PPM	0	25
Sodium Sulfate, Na_2SO_4	PPM	0	80
Nickel, Ni	PPM	0	0.5 *
Iron, Fe	PPM	0	5 *
Mercury, Hg	PPM	0	2
Specific Gravity		1.20	1.35

- Sodium hydroxide for wastewater treatment applications is allowed to have up to 9 mg/L iron and up to 3 mg/L nickel.

2. Product Specifications:

a. The Sodium Hydroxide (NaOH) shall be in liquid form and shall conform to the current version of the American Water Works Association's Standard for Caustic Soda B501 and to the Water Chemicals Codex, 1982; except as modified or supplemented herein.

b. For all potable water treatment (drinking water) applications the liquid Sodium Hydroxide supplied shall be tested and certified as meeting the specifications of the American National Standards Institute/National Sanitation Foundation Standard 60 (ANSI/NSF Standard 60) Drinking Water Treatment Chemicals – Health Effects. The NSF certification for the Sodium Hydroxide (NaOH) bid must be current on the date of the bid submittal.

c. It is the responsibility of the Bidder to inform the participating BACC Agency, within 24 hours from the time of verbal or written notification, that NSF certification has been revoked or lapsed. For all potable water treatment (drinking water) applications, the loss of NSF certification shall constitute sufficient grounds for immediate termination of the contract.

d. Bill of lading must clearly identify product delivered to be NSF 60 certified by stamp or type written statement – no handwritten notations will be accepted. Failure to provide clear identification of NSF product will result in rejection of the load at no cost to the participating BACC Agency.

e. Billing weight is defined as delivery weight x percentage N_a20 (from lab report)/76.

3. Quality:

a. The liquid Sodium Hydroxide (NaOH) to be delivered in conformity with this bid shall be 25% liquid solution, as specified herein. Caustic defined as "25% solution" must fall within the specified range of 23%-27% active ingredient to meet the requirements of this specification.

b. The liquid Sodium Hydroxide (NaOH) shall contain no more than 5 mg/L iron and no more than 2 mg/L mercury and no more than 0.5 mg/L nickel. No exceptions to these limitations will be allowed for any sodium hydroxide provided for potable water treatment applications. However, for sodium hydroxide used for wastewater treatment applications, up to 9 mg/L for iron (Fe) and up to 3 mg/L for

nickel (Ni) will be allowed as noted above. For wastewater treatment applications, concentrations of iron (Fe) greater than 9 ppm maximum and nickel (Ni) greater than 3 ppm maximum, may cause problems for the customer and therefore may be cause to terminate the contract if any excursions of these concentrations limits for iron or nickel cannot be reduced by the successful Bidder in subsequent deliveries to the respective customer.

c. The liquid Sodium Hydroxide (NaOH) shall be free from contaminating substances which could interfere with the normal operation of the customer's facilities by causing clogging or blockage of feed lines, valves, strainers, or measuring devices.

4. Certificate of Analysis:

a. A certificate of analysis prepared by a reputable outside laboratory or bidder's in-house laboratory if ISO certified shall be submitted for each liquid Sodium Hydroxide (NaOH) delivery. The certificate of analysis shall be based on a representative sample of the specific batch or lot of chemical currently being used to make deliveries. The certificate of analysis shall contain the following:

- Date of manufacture
- Date of delivery
- Shipper ID
- Sodium Hydroxide NaOH Wt %
- Sodium Oxide Na_2O Wt %
- Sodium Sulfate Na_2SO_4 PPM
- Sodium Chloride NaCl PPM
- Sodium Carbonate Na_2CO_3 Wt %
- Sodium Chlorate $NaClO_3$ PPM
- Iron Fe PPM
- Mercury Hg PPM
- Nickel Ni PPM
- Density @ 60^0 lbs/gal
- Specific Gravity

No deliveries will be accepted unless accompanied by the said certificate of analysis for the specific batch or lot of chemical delivered and the quality specifications as listed above.

b. Charges for certificate of analysis shall be included in the bid price.

c. Failure to supply the required certificate of analysis shall be sufficient cause to reject the load. A certificate of analysis that does not meet AWWA Standard B501 shall be cause to reject the delivery.

d. One 200 mL sample of the delivered product shall be provided by the Bidder if requested by the customer either when the order is placed or at the time of delivery. In order to ensure these samples are representative of the chemical being delivered, the samples shall be drawn from the delivery truck at the time of delivery. Samples may be collected from any delivery, and the frequency upon which samples are collected will be entirely at the discretion of the customer. Samples will be collected at the unloading station, where containment and safety showers are provided. The customer will decide at what point during any delivery that they wish to collect a sample.

PRODUCT TECHNICAL SPECIFICATIONS
SODIUM HYDROXIDE, 30% Solution

1. Typical Analysis:

Characteristics	Units	Minimum	Maximum
Sodium Hydroxide, NaOH	Wt %	29	32
Sodium Oxide, Na_2O	Wt %	22.5	23.7
Sodium Chloride, NaCl	PPM	0	100
Sodium Carbonate, Na_2CO_3	Wt %	0	0.15
Sodium Chlorate, $NaClO_3$	PPM	0	25
Sodium Sulfate, Na_2SO_4	PPM	0	80
Nickel, Ni	PPM	0	0.5 *
Iron, Fe	PPM	0	5 *
Mercury, Hg	PPM	0	2
Specific Gravity		1.25	1.40

- Sodium hydroxide for wastewater treatment applications is allowed to have up to 9 mg/L iron and up to 3 mg/L nickel.

2. Product Specifications:

a. The Sodium Hydroxide (NaOH) shall be in liquid form and shall conform to the current version of the American Water Works Association's Standard for Caustic Soda B501 and to the Water Chemicals Codex, 1982; except as modified or supplemented herein.

b. For all potable water treatment (drinking water) applications the liquid Sodium Hydroxide supplied shall be tested and certified as meeting the specifications of the American National Standards Institute/National Sanitation Foundation Standard 60 (ANSI/NSF Standard 60) Drinking Water Treatment Chemicals – Health Effects. The NSF certification for the Sodium Hydroxide (NaOH) bid must be current on the date of the bid submittal.

c. It is the responsibility of the Bidder to inform the participating BACC Agency, within 24 hours from the time of verbal or written notification, that NSF certification has been revoked or lapsed. For all potable water treatment (drinking water) applications, the loss of NSF certification shall constitute sufficient grounds for immediate termination of the contract.

d. Bill of lading must clearly identify product delivered to be NSF 60 certified by stamp or type written statement – no handwritten notations will be accepted. Failure to provide clear identification of NSF product will result in rejection of the load at no cost to the participating BACC Agency.

e. Billing weight is defined as delivery weight x percentage N_a20 (from lab report)/76.

3. Quality:

a. The liquid Sodium Hydroxide (NaOH) to be delivered in conformity with this bid shall be 30% liquid solution, as specified herein. Caustic defined as "30% solution" must fall within the specified range of 29%-32% active ingredient to meet the requirements of this specification.

b. The liquid Sodium Hydroxide (NaOH) shall contain no more than 5 mg/L iron and no more than 2 mg/L mercury and no more than 0.5 mg/L nickel. No exceptions to these limitations will be allowed for any sodium hydroxide provided for potable water treatment applications. However, for

sodium hydroxide used for wastewater treatment applications, up to 9 mg/L for iron (Fe) and up to 3 mg/L for nickel (Ni) will be allowed as noted above. For wastewater treatment applications, concentrations of iron (Fe) greater than 9 ppm maximum and nickel (Ni) greater than 3 ppm maximum, may cause problems for the customer and therefore may be cause to terminate the contract if any excursions of these concentrations limits for iron or nickel cannot be reduced by the successful Bidder in subsequent deliveries to the respective customer.

c. The liquid Sodium Hydroxide (NaOH) shall be free from contaminating substances which could interfere with the normal operation of the customer's facilities by causing clogging or blockage of feed lines, valves, strainers, or measuring devices.

4. Certificate of Analysis:

a. A certificate of analysis prepared by a reputable outside laboratory or bidder's in-house laboratory if ISO certified shall be submitted for each liquid Sodium Hydroxide (NaOH) delivery. The certificate of analysis shall be based on a representative sample of the specific batch or lot of chemical currently being used to make deliveries. The certificate of analysis shall contain the following:

- Date of manufacture
- Date of delivery
- Shipper ID
- Sodium Hydroxide NaOH Wt %
- Sodium Oxide Na_2O Wt %
- Sodium Sulfate Na_2SO_4 PPM
- Sodium Chloride NaCl PPM
- Sodium Carbonate Na_2CO_3 Wt %
- Sodium Chlorate $NaClO_3$ PPM
- Iron Fe PPM
- Mercury Hg PPM
- Nickel Ni PPM
- Density @ 60^0 lbs/gal
- Specific Gravity

No deliveries will be accepted unless accompanied by the said certificate of analysis for the specific batch or lot of chemical delivered and the quality specifications as listed above.

b. Charges for certificate of analysis shall be included in the bid price.

c. Failure to supply the required certificate of analysis shall be sufficient cause to reject the load. A certificate of analysis that does not meet AWWA Standard B501 shall be cause to reject the delivery.

d. One 200 mL sample of the delivered product shall be provided by the Bidder if requested by the customer either when the order is placed or at the time of delivery. In order to ensure these samples are representative of the chemical being delivered, the samples shall be drawn from the delivery truck at the time of delivery. Samples may be collected from any delivery, and the frequency upon which samples are collected will be entirely at the discretion of the customer. Samples will be

collected at the unloading station, where containment and safety showers are provided. The customer will decide at what point during any delivery that they wish to collect a sample.

PRODUCT TECHNICAL SPECIFICATIONS
SODIUM HYDROXIDE, 50% Solution

1. Typical Analysis:

Characteristics	Units	Minimum	Maximum
Sodium Hydroxide, NaOH	Wt %	48	52
Sodium Oxide, Na_2O	Wt %	37.7	40.4
Sodium Chloride, NaCl	PPM	0	100
Sodium Carbonate, Na_2CO_3	Wt %	0	0.30
Sodium Chlorate, $NaClO_3$	PPM	0	25
Sodium Sulfate, Na_2SO_4	PPM	0	80
Nickel, Ni	PPM	0	0.5 *
Iron, Fe	PPM	0	5 *
Mercury, Hg	PPM	0	2
Specific Gravity at 20 deg. C		1.45	1.60

- Sodium hydroxide for wastewater treatment applications is allowed to have up to 9 mg/L iron and up to 3 mg/L nickel.

2. Product Specifications:

a. The Sodium Hydroxide (NaOH) shall be in liquid form and shall conform to the current version of the American Water Works Association's Standard for Caustic Soda B501 and to the Water Chemicals Codex, 1982; except as modified or supplemented herein.

b. For all potable water treatment (drinking water) applications the liquid Sodium Hydroxide supplied shall be tested and certified as meeting the specifications of the American National Standards Institute/National Sanitation Foundation Standard 60 (ANSI/NSF Standard 60) Drinking Water Treatment Chemicals – Health Effects. The NSF certification for the Sodium Hydroxide (NaOH) bid must be current on the date of the bid submittal.

c. It is the responsibility of the Bidder to inform the participating BACC Agency, within 24 hours from the time of verbal or written notification, that NSF certification has been revoked or lapsed. For all potable water treatment (drinking water) applications, the loss of NSF certification shall constitute sufficient grounds for immediate termination of the contract.

d. Bill of lading must clearly identify product delivered to be NSF 60 certified by stamp or type written statement – no handwritten notations will be accepted. Failure to provide clear identification of NSF product will result in rejection of the load at no cost to the participating BACC Agency.

e. Billing weight is defined as delivery weight x percentage Na_2O (from lab report)/76.

3. Quality:

a. The liquid Sodium Hydroxide (NaOH) to be delivered in conformity with this bid shall be 50% liquid solution, as specified herein. Caustic defined as "50% solution" must fall within the specified range of 48%-52% active ingredient to meet the requirements of this specification.

b. The liquid Sodium Hydroxide (NaOH) shall contain no more than 5 mg/L iron and no more than 2 mg/L mercury and no more than 0.5 mg/L nickel. No exceptions to these limitations will be allowed for any sodium hydroxide provided for potable water treatment applications. However, for

sodium hydroxide used for wastewater treatment applications, up to 9 mg/L for iron (Fe) and up to 3 mg/L for nickel (Ni) will be allowed as noted above. For wastewater treatment applications, concentrations of iron (Fe) greater than 9 ppm maximum and nickel (Ni) greater than 3 ppm maximum, may cause problems for the customer and therefore may be cause to terminate the contract if any excursions of these concentrations limits for iron or nickel cannot be reduced by the successful Bidder in subsequent deliveries to the respective customer.

c. The liquid Sodium Hydroxide (NaOH) shall be free from contaminating substances which could interfere with the normal operation of the customer's facilities by causing clogging or blockage of feed lines, valves, strainers, or measuring devices.

4. Certificate of Analysis:

a. A certificate of analysis prepared by a reputable outside laboratory or bidder's in-house laboratory if ISO certified shall be submitted for each liquid Sodium Hydroxide (NaOH) delivery. The certificate of analysis shall be based on a representative sample of the specific batch or lot of chemical currently being used to make deliveries. The certificate of analysis shall contain the following:

- Date of manufacture
- Date of delivery
- Shipper ID
- Sodium Hydroxide NaOH Wt %
- As Sodium Oxide Na_2O Wt %
- Sodium Sulfate Na_2SO_4 PPM
- Sodium Chloride NaCl PPM
- Sodium Carbonate Na_2CO_3 Wt %
- Sodium Chlorate $NaClO_3$ PPM
- Iron Fe PPM
- Mercury Hg PPM
- Nickel Ni PPM
- Density @ 60^0F lbs/gal
- Specific Gravity at 20 deg. C

No deliveries will be accepted unless accompanied by the said certificate of analysis for the specific batch or lot of chemical delivered and the quality specifications as listed above.

b. Charges for certificate of analysis shall be included in the bid price.

c. Failure to supply the required certificate of analysis shall be sufficient cause to reject the load. A certificate of analysis that does not meet AWWA Standard B501 shall be cause to reject the delivery.

d. One 200 mL sample of the delivered product shall be provided by the Bidder if requested by the customer either when the order is placed or at the time of delivery. In order to ensure these samples are representative of the chemical being delivered, the samples shall be drawn from the delivery truck at the time of delivery. Samples may be collected from any delivery, and the frequency upon which samples are collected will be entirely at the discretion of the customer. Samples will be collected at the unloading station, where containment and safety showers are provided. The customer will decide at what point during any delivery that they wish to collect a sample.

SECTION III – 1

BAY AREA CHEMICAL CONSORTIUM
ESTIMATED ANNUAL QUANTITIES
FOR BID NO. 12-2026
SODIUM HYDROXIDE

BAY AREA CHEMICAL CONSORTIUM

ESTIMATED ANNUAL QUANTITIES FOR FISCAL YEAR 2026/2027

BID NO. 12-2026

	Unit of Measure	Estimated Annual Qty for Treatment Applications: Water	Wastewater
Sodium Hydroxide 20% (Caustic)	**dry ton**	**8**	**23**
Marin Sonoma			
County of Sonoma	dry ton	0	23
		0	***23***
Sacramento			
City of Sacramento	dry ton	8	0
		8	***0***
Sodium Hydroxide 25% (Caustic)	**dry ton**	**813**	**1,674**
Central Valley			
City of Stockton	dry ton	110	325
		110	***325***
Marin Sonoma			
Napa Sanitation District	dry ton	0	70
		0	***70***
Peninsula			
City of San Mateo	dry ton	0	450
		0	***450***
Sacramento			
City of Roseville	dry ton	0	550
City of Sacramento	dry ton	42	0
El Dorado Irrigation District	dry ton	45	0
Nevada Irrigation District	dry ton	144	0
Sacramento County Water Agency	dry ton	100	0
		331	***550***
South Bay			
City of Sunnyvale	dry ton	0	275
San Jose - Santa Clara Regional Wastewater Facility	dry ton	0	4
		0	***279***
Tri Valley			
Zone 7 Water Agency	dry ton	372	0
		372	***0***

ESTIMATED ANNUAL QUANTITIES FOR FISCAL YEAR 2026/2027
BID NO. 12-2026

	Unit of Measure	Estimated Annual Qty for Treatment Applications: Water	Wastewater
Sodium Hydroxide 30% (Caustic)	**dry ton**	**2,671**	**167**
Marin Sonoma			
County of Sonoma	dry ton	13	0
		13	***0***
North Bay			
Contra Costa Water District	dry ton	2,658	0
		2,658	***0***
Sacramento			
El Dorado Irrigation District	dry ton	0	167
		0	***167***
Sodium Hydroxide 50% (Caustic)	**dry ton**	**7,197**	**1,436**
Central Valley			
City of Stockton	dry ton	0	155
Stanislaus Regional Water Authority	dry ton	210	0
		210	***155***
East Bay			
Alameda County Water District	dry ton	850	0
City of Hayward	dry ton	0	16
		850	***16***
Marin Sonoma			
County of Sonoma	dry ton	1,500	0
Marin Municipal Water District	dry ton	550	0
		2,050	***0***
North Bay			
City of Antioch	dry ton	580	0
City of Martinez	dry ton	150	0
City of Pittsburg	dry ton	235	0
		965	***0***
Sacramento			
Carmichael Water District	dry ton	100	0
City of Roseville	dry ton	900	875
El Dorado Irrigation District	dry ton	175	390
		1,175	***1,265***

ESTIMATED ANNUAL QUANTITIES FOR FISCAL YEAR 2026/2027
BID NO. 12-2026

	Unit of Measure	Estimated Annual Qty for Treatment Applications: Water	Wastewater
South Bay			
Valley Water (Santa Clara Valley Water District)	dry ton	1,105	0
		1,105	***0***
Tri Valley			
City of Pleasanton	dry ton	235	0
Zone 7 Water Agency	dry ton	607	0
		842	***0***

SECTION III – 2

BAY AREA CHEMICAL CONSORTIUM
DELIVERY DETAILS
FOR BID NO. 12-2026
SODIUM HYDROXIDE

BAY AREA CHEMICAL CONSORTIUM
DELIVERY DETAILS
BID NO. 12-2026
SODIUM HYDROXIDE

The frequency of deliveries and typical delivery size are estimates of anticipated usage for a 12-month period and are given for informational purposes only and are not used in any calculations to determine the lowest overall bid (Section I, Paragraph 2.16 Method of Award).

Per Region, Agency and Delivery Facility Name and Location			Frequency of Deliveries	Typical Delivery Size
CENTRAL VALLEY				
City of Stockton				
Delta Water Supply Plant	11373 N. Lower Sacramento Road	Lodi	1x per month	4000 gal
Stockton Regional Wastewater Control Facility (Tertiary Plant)	3307 W. Highway 4 (John Turk Road)	Stockton	1-2x per month for 4-6 months in year, mostly in winter	4,000 gallons (combined for both 25% and 50%)
Stanislaus Regional Water Authority				
Stanislaus Regional Water Authority Water Treatment	1235 Aldrich Rd.	Hughson, CA	Every two weeks	2,500 gallons
EAST BAY				
Alameda County Water District				
Blending Facility	1111 Mowry Ave	Fremont	1x every 2 weeks	4,000 gallons
Newark Desalination Facility	6833 Redeker Place	Newark	1x per month	4,000 gallons
Water Treatment Plant No. 2	42436 Mission Blvd.	Fremont	1-2x per week	4,000 gallons
City of Hayward				
Water Pollution Control Facility	3700 Enterprise Avenue	Hayward	Once per year	5,000 gallons
MARIN SONOMA NAPA				
County of Sonoma				
Airport/Larkfield/Wikiup Wastewater Treatment Plant	800 Aviation Blvd	Santa Rosa	Bi-monthly	800-1,000 gallons Sodium Hydroxide 30% Liquid Caustic
River Road Corrosion Control Facility	7945 River Road	Forestville	Once a week* Average over 12 months. Deliveries will increase in summer and decrease in winter	30,000 gallons Sodium Hydroxide 50% Caustic
Sonoma Valley Wastewater Treatment Plant	22675 8th Street	Sonoma	6 months	8,000 gallons Sodium Hydroxide 50% Caustic
Wohler Corrosion Control Facility	9750 Wohler Rd	Forestville	Once a week* Average over 12 months. Deliveries will increase in summer and decrease in winter	30,000 gallons Sodium Hydroxide 50% Caustic

BAY AREA CHEMICAL CONSORTIUM
DELIVERY DETAILS
BID NO. 12-2026
SODIUM HYDROXIDE

The frequency of deliveries and typical delivery size are estimates of anticipated usage for a 12-month period and are given for informational purposes only and are not used in any calculations to determine the lowest overall bid (Section I, Paragraph 2.16 Method of Award).

Per Region, Agency and Delivery Facility Name and Location			Frequency of Deliveries	Typical Delivery Size
Marin Municipal Water District				
MMWD Bon Tempe	Filter Plant Road	Fairfax	16/year	Not less than 3,500 gallons
MMWD San Geronimo	330 San Geronimo Valley Road	Woodacre	29/year	Not less tha 4000 gal
Napa Sanitation District				
Napa Sanitation District	1515 Soscol Ferry Road	Napa	Once per month	5,000 gallons
North Marin Water District				
North Marin Water District Stafford Lake Treatment Plant	3015 Novato Blvd.	Novato	1x per month	4000 gallons
NORTH BAY				
City of Antioch				
City of Antioch Water Treatment Plant	401 Putnam Street	Antioch	weekly	4,000 gallons
City of Martinez				
City of Martinez Water Treatment Plant	3003 Pacheco Blvd	Martinez	1x per month	4,500 gallons
City of Pittsburg				
Pittsburg Water Treatment Plant	300 Olympia Drive	Pittsburg	2x a month	Full truck load 50,000 lbs
Contra Costa Water District				
Bollman Water Treatment Plant	2015 Bates Ave	Concord	approx 65 loads per year	5,500 gallons
Brentwood Water Treatment Plant	3760 Neroly Road	Oakley	approx 40 loads per year	5,500 gallons
Randall-Bold Water Treatment Plant	3760 Neroly Road	Oakley	+/- 180 loads yearly	5,500 gallons
PENINSULA				
City of San Mateo				
City of San Mateo WQCP	2050 Detroit Drive	San Mateo, CA	every 3-4 weeks	Full load
SACRAMENTO				
Carmichael Water District				
Bajamont Water Treatment Plant	3501 Bajamont Way	Carmichael	7-8 per year	Full load, approx 4,000 gallons

BAY AREA CHEMICAL CONSORTIUM
DELIVERY DETAILS
BID NO. 12-2026
SODIUM HYDROXIDE

The frequency of deliveries and typical delivery size are estimates of anticipated usage for a 12-month period and are given for informational purposes only and are not used in any calculations to determine the lowest overall bid (Section I, Paragraph 2.16 Method of Award).

Per Region, Agency and Delivery Facility Name and Location			Frequency of Deliveries	Typical Delivery Size
City of Roseville				
Dry Creek Wastewater Treatment Plant	1800 Booth Road	Roseville 95747	1 per week	Approx 5,000 gallons
Pleasant Grove Wastewater Treatment Plant	5051 Westpark Drive	Roseville 95747	Every 10 days	Approx 5,000 gallons
Roseville Energy Park	5120 Phillip Road	Roseville 95747	Every 1-2 months	1,200 gallons
Roseville Water Treatment Plant	9595 Barton Road	Granite Bay 95746	1-2 month	4,000 gallons
City of Sacramento				
E.A. Fairbairn Water Treatment Plant	7501 College Town Drive	Sacramento	Need is storm/maintenance dependent (weekly when required)	4,000 gallons
Sacramento River Water Treatment Plant	301 Water Street	Sacramento	Need is storm/maintenance dependent (weekly when required)	4,000 gallons
El Dorado Irrigation District				
Deer Creek Wastewater Treatment Plant	El Dorado Hills	Cameron Park, CA 95682	6-8x per year	5,000 gals (30%); 5,000 gals (50%)
EID Reservoir A Water	5560 Sly Park Rd		6-8X year	3,800 gallons (50% caustic)
El Dorado Hills Wastewater Treatment Plant	4625 Latrobe Rd	El Dorado Hills, CA 95762	6-8x per year	5,000 gals (30%); 5,000 gals (50%)
El Dorado Hills Water Plant, or EID Reservoir 1 Water, or EID Reservoir A Water	1835 Francisco Dr 5575 Gilmore Rd 5560 Sly Park Rd	El Dorado Hills Pollock Pines Pollock Pines	2 deliveries per year to any of the 3 water locations	5,000 gals (25%)
Nevada Irrigation District				
E. George Water Treatement Plant	11258 Banner Lava Cap Road	Nevada City	8 loads per year	4,800 gallons (12,000 #)
Lake of the Pines Water Treatment Plant	12812 Torrey Pines Drive	Auburn	5 loads oer year	4,800 gallons (12,000#)
Lake Wildwood Water Treatment Plant	14149 Beitler Road	Penn Valley	4 loads per year. Driver must contact plant for escort.	4,800 gallons (12,000 #)
Loma Rica Water Treatment Plant	13786 Loma Rica Drive	Grass Valley	4 loads per year. Driver must contact plant for escort.	4,800 gallons (12,000 #)
North Auburn Water Treatment Plant	12279 Locksley Lane	Auburn	6 loads per year	4,800 gallons (12,000 #)

BAY AREA CHEMICAL CONSORTIUM
DELIVERY DETAILS
BID NO. 12-2026
SODIUM HYDROXIDE

The frequency of deliveries and typical delivery size are estimates of anticipated usage for a 12-month period and are given for informational purposes only and are not used in any calculations to determine the lowest overall bid (Section I, Paragraph 2.16 Method of Award).

Per Region, Agency and Delivery Facility Name and Location			Frequency of Deliveries	Typical Delivery Size
Sacramento County Water Agency				
Vineyard Surface Water Treatment Plant	10151 Florin Road	Sacramento	Approx once a month	Full tanker delivery
SOUTH BAY				
City of Sunnyvale				
City of Sunnyvale Wastewater Treatment Plant	1444 Borregas Avenue	Sunnyvale	Twice a week	2,000 gallons
San Jose - Santa Clara Regional Wastewater Facility				
SJ/SC Regional Wastewater Facility	700 Los Esteros Rd	San Jose	10 times per year	275 Gallon IBC totes of 25% Caustic Soda
Valley Water (Santa Clara Valley Water District)				
Penitencia Water Treatment Plant	3959 Whitman Way	San Jose	+/- 25 loads per year	4,000 gallons
Rinconada Water Treatment Plant	400 More Avenue	Los Gatos	+/- 50 loads per year	4,000 gallons
Santa Teresa Water Treatment Plant	7011 Graystone Lane	San Jose	+/- 30 loads per year	4,000 gallons
Silicon Valley Advanced Water Purification Center	4190 Zanker Road	San Jose	+/- 10 loads per year	4,000 gallons
TRI VALLEY				
Zone 7 Water Agency				
Del Valle Water Treatment Plant	901 East Vineyard Ave	Livermore	3 - 5 per month (50%)	3,800 gallons
Mocho Groundwater Demineralization Plant	5215 Stoneridge Drive	Pleasanton	1 load every two months (50%)	3,800 gallons
Patterson Pass Water Treatment Plant	8750 Patterson Pass Road	Livermore	5 per month Oct-March (25%)	4,500 gallons

SECTION III – 3

BAY AREA CHEMICAL CONSORTIUM
PARTICIPATING MEMBER AGENCY CONTACT LIST
FOR BID NO. 12-2026
SODIUM HYDROXIDE

BAY AREA CHEMICAL CONSORTIUM
PARTICIPATING MEMBER AGENCY CONTACT LIST
BID NO. 12-2026
SODIUM HYDROXIDE

Central Valley

CITY OF STOCKTON

Municipal Utilities Department 2500 Navy Drive Stockton, CA 95206

Kathryn Garcia	Program Manager III - Wastewater	Kathryn.Garcia@stocktonca.gov	209-937-8232

STANISLAUS REGIONAL WATER AUTHORITY

1235 Aldrich Rd. Hughson, CA 95326

Janice Virgo	SRWA Staff Services Assistant	jvirgo@turlock.ca.us	(209)542-4948
Salena Estrada		sestrada@turlock.ca.us	
Michael Powell		mpowell@turlock.ca.us	

East Bay

ALAMEDA COUNTY WATER DISTRICT

43885 South Grimmer Blvd Fremont, CA 94538

Mike Wickham	Water Production Manager	mike.wickham@acwd.com	510-668-6516
Cris Pena	Engineering Supervisor	Cris.Pena@acwd.com	510-668-6541
Renee Gonzalez	Buyer	renee.gonzalez@acwd.com	510-668-4294
Cynthia Ha	Water Production Process Engineer	Cynthia.ha.@acwd.com	510-668-6547

CITY OF HAYWARD

Water Pollution Control Facility 3700 Enterprise Avenue Hayward, CA 94545

David Donovan	WRRF Manager	david.donovan@hayward-ca.gov	510-293-5099
Alex Ameri	Public Works Director	alex.ameri@hayward-ca.gov	
Rita Perez	Purchasing and Services Manager	rita.perez@hayward-ca.gov	510-583-4802
Mark Orlandi	Operations Manager	mark.orlandi@hayward-ca.gov	510-293-5212
Diane Vargas	WRRF Senior Secretary	diane.vargas@hayward-ca.gov	

Marin Sonoma Napa

COUNTY OF SONOMA

400 Aviation Blvd, Suite 100 Santa Rosa, CA 95403

Brenda Haas	General Services - Purchasing Division	brenda.haas@sonomacounty.gov	707-565-1791
Garrett Heinz	Buyer	Garrett.Heinz@sonomacounty.gov	707 565-1787

BAY AREA CHEMICAL CONSORTIUM
PARTICIPATING MEMBER AGENCY CONTACT LIST
BID NO. 12-2026
SODIUM HYDROXIDE

MARIN MUNICIPAL WATER DISTRICT
220 Nellen Avenue Corte Madera, CA 94925

Matthew Steiner Water Quality Manager	msteiner@marinwater.org	415-945-1577
Jim Kenney Superintendent of Operations, Water Treatment ** Call Jim first	jkenney@marinwater.org	415-945-1501
Danelle Graham Senior Buyer	dgraham@marinwater.org	415-945-1402

NAPA SANITATION DISTRICT
1515 Soscol Ferry Road Napa, CA 94558

Christopher Mosier Operator III	cmosier@napasan.com	707- 312-1899
Cristopher Henriquez Operator II	chenriqu@napasan.com	707-312-1595
Andrew Damron, PE General Manager	adamron@napasan.com	707- 258-6007

North Bay

CITY OF ANTIOCH
Water Treatment Plant P.O. Box 5007 Antioch, CA 94531-5007

Santiago Moreno	smoreno@antiochca.gov	
Operator on Duty		925-382-4246
Marcus Woodland	Mwoodland@antiochca.gov	925-779-7029

CITY OF MARTINEZ
525 Henrietta Street Martinez, CA 94553

Hiren Patel Water Operations Supervisor	hpatel@cityofmartinez.org	925-372-3588
George Pavlov Water Superintendent	gpavlov@cityofmartinez.org	925-372-3587

CITY OF PITTSBURG
Water Treatment Plant 300 Olympia Drive Pittsburg, CA 94565

Mike Silva Water Plant Supervisor	Msilva@pittsburgca.gov	925 252-6934
Jason Moser Water Treatment Plant Superintendent	jmoser@pittsburgca.gov	925-252-6997

BAY AREA CHEMICAL CONSORTIUM
PARTICIPATING MEMBER AGENCY CONTACT LIST
BID NO. 12-2026
SODIUM HYDROXIDE

CONTRA COSTA WATER DISTRICT
1331 Concord Ave Concord, CA 94520-4907

Judy Phan Purchasing Officer	jphan@ccwater.com	925-688-8220
Ken Dooley Water Treatment Supervisor	kdooley@ccwater.com	925-625-6601
Nicole Quesada Administrative Analyst	nquesada@ccwater.com	925-625-6602
Kim Waddy Buyer	kwaddy@ccwater.com	925-688-8012

Peninsula

CITY OF SAN MATEO
City of San Mateo WWTP 2050 Detroit Drive San Mateo, CA 94404

Alonso Barahona Management Analyst II	abarahona@cityofsanmateo.org	650-522-7334
Xiongbing Liang Laboratory Supervisor	xliang@cityofsanmateo.org	650-522-7380
Robert Knox Operations Superintendent /Chief Plant Operator	rknox@cityofsanmateo.org	650-522-7380
Rob Learmonth Planet Manager	rlearmonth@cityofsanmateo.org	

Sacramento

CARMICHAEL WATER DISTRICT
7837 Fair Oaks Blvd. Carmichael, CA 95608

David Biagi	davidb@carmichaelwd.org	916-679-0457

CITY OF ROSEVILLE
311 Vernon Street Roseville, CA 95678

Shannon Wiest Purchasing and Warehouse Manager	swiest@roseville.ca.us	916-746-1112
Becky Philipp Purchasing Supervisor	bphilipp@roseville.ca.us	916-746-1110

CITY OF SACRAMENTO
Department of Utilities 5730 24th Street, Bldg 22 Sacramento, CA 95822

David Herrmann Division Manager, Water Division	dherrmann@cityofsacramento.org	916-808-5652
Dalton Le Program Specialist, Water Division	DMLe@cityofsacramento.org	916-808-6008
Andrew Costan Program Specialist	acostan@cityofsacramento.org	916-808-6339

EL DORADO IRRIGATION DISTRICT
2890 Mosquito Road Placerville, CA 95667

Ryan Deakyne Senior Buyer	rdeakyne@eid.org	530-642-4405

BAY AREA CHEMICAL CONSORTIUM
PARTICIPATING MEMBER AGENCY CONTACT LIST
BID NO. 12-2026
SODIUM HYDROXIDE

NEVADA IRRIGATION DISTRICT

1036 W. Main Street Grass Valley, CA 95945

Jon Ritter Purchasing Supervisor	ritterj@nidwater.com	530-271-6894
Shad Chittock Water Treatment Superintendent	chittocks@nidwater.com	530-271-6899
Coby McCoy Water Treatment Supervisor	mccoyc@nidwater.com	530 913-9710
Delivery Dispatcher		(530) 273-6185, option 2 for Customer Service.

SACRAMENTO COUNTY WATER AGENCY

Vineyard Surface Water Treatment Plant 10151 Florin Road Sacramento, CA 95829

Maria Cojocari Contract Services Officer	CojocariM@saccounty.gov	
Tom Pasterski Water System Superintendent	pasterskit@saccounty.gov	916-876-6430
Aaron Robertson Water System Manager	robertsona@saccounty.gov	916-875-0746

South Bay

CITY OF SUNNYVALE

Water Pollution Control Plant 1444 Borregas Avenue Sunnyvale, CA 94088-3707

Ryan Smith WWTP Operations Manager	RASmith@sunnyvale.ca.gov	408-730-7716
Julie Callaghan Admin Aide	jcallaghan@sunnyvale.ca.gov	408-730-7719
Rohan Wikramanayake Division Manager	RWikramanayake@sunnyvale.ca.gov	408-730-7788
Lisa Vo Purchasing	lvo@sunnyvale.ca.gov	408-730- 7608

SAN JOSE - SANTA CLARA REGIONAL WASTEWATER FACILITY

700 Los Esteros Road San Jose, CA 95134

Justin Sabla Wastewater Ops Superintendent	Justin.Sabla@sanjoseca.gov	(408) 793-5375
Bryan Berdeen Chief Plant Operator	Bryan.Berdeen@sanjoseca.gov	(408) 635-2058
Mark Nicholl Wastewater Ops Superintendent	Mark.Nicholl@sanjoseca.gov	408-635-6635
Alex Rodriguez Division Manager of Wastewater Ops	alex.rodriguez@sanjoseca.gov	(408) 635-2087

BAY AREA CHEMICAL CONSORTIUM
PARTICIPATING MEMBER AGENCY CONTACT LIST
BID NO. 12-2026
SODIUM HYDROXIDE

VALLEY WATER (SANTA CLARA VALLEY WATER DISTRICT)

5750 Almaden Expressway San Jose, CA 95118

Zachary DeVine	Supervising Program Administrator	ZDevine@valleywater.org	408-630-2495
Lotina Nishijima	South Water Treatment Manager	LNishijima@valleywater.org	408-630-2795
Lei Hong	North Water Treatment Manager	LHong@valleywater.org	408-630-2761
Kelly Grabeel	Procurement Specialist	KGrabeel@valleywater.org	408-630-2397
Hortencia Gonzalez-Palencia	Senior Management Analyst	hgonzalez@valleywater.org	408-630-2489

Tri Valley

CITY OF PLEASANTON

Operations Service Center 3333 Busch Road Pleasanton, CA 94566-0802

Siew-Chin Yeong, P.E.	Director of Public Works	syeong@cityofpleasantonca.gov	925-931-5506
Ryan Ravalin	Utilities Systems Chief Operator	rravalin@cityofpleasanton.gov	925-931-5528

ZONE 7 WATER AGENCY

100 North Canyons Parkway Livermore, CA 94551

Zeljka Bozic	Buyer I	zbozic@zone7water.com	925 454 5029

SECTION IV

BAY AREA CHEMICAL CONSORTIUM
BID CONTRACT DOCUMENTS
FOR BID NO. 12-2026
SODIUM HYDROXIDE

***** All of the following pages must be properly competed and submitted for the bid to be considered complete. *****

BAY AREA CHEMICAL CONSORTIUM
STANDARD AGREEMENT, PAGE 1 OF 2
BID NO. 12-2026
SUPPLY AND DELIVERY OF SODIUM HYDROXIDE

I hereby agree to furnish SODIUM HYDROXIDE identified in the attached bid forms, as solicited by the Bay Area Chemical Consortium (BACC), to one or more of the participating BACC Agencies.

Company: _____

Address: _____

City, State, ZIP: _____

Phone: _____

Email: _____

Authorized Representative: _____

Signature: _____

Date: _____

WE ACKNOWLEDGE RECEIVING ADDENDUM/ADDENDA NUMBER _____ THROUGH _____.

SPECIFIC DEVIATIONS:

☐ This box must be checked if bidder has any proposed specific deviations. Per Section 2.12 Proposed Deviations from the Specifications by the Bidder, the absence of a proposed changed in the specifications will hold the bidder strictly accountable to the specifications as described in the bid document, including any addendum.

Describe the specific deviations below. A copy of the proposed specifications must be attached to this Standard Agreement at the time of submission, with bidder's name clearly shown on each document.

_____

_____

_____

_____

_____

Description of Emergency Supply Plan: Provide a summary of vendor's plans to continue to supply product in the event of an unexpected disaster or urgent emergency event.

_____

_____

_____

STANDARD AGREEMENT, PAGE 2 OF 2

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BIDDER INFORMATION

1. Legal Name of Bidder:

   _____

2. Bidder's Street Address:

   _____

3. Mailing Address:

   _____

4. Business Telephone: _____ Fax Number: _____

5. Type of Supplier:
   □ Sole Proprietor □ Partnership □ Corporation □ LLC
   If Corporation, indicate State where incorporated: _____

6. Business License Number issued by the City where the Supplier's principal place of business is located.
   Number: _____ Issuing City: _____

7. Supplier Federal Tax Identification Number: _____

8. Emergency Contact: Name: _____
   Phone Number: _____

9. Order Contact: Name: _____
   Address: _____
   Phone Number: _____ Fax Number: _____
   Email: _____

10. References:

Company/Agency Name	Contact Name	Phone Number
1)_____	_____	_____
2) _____	_____	_____
3) _____	_____	_____

11. Chemical Manufacturer's name and address (if different from Bidder):

_____
_____
_____
_____

Non-Collusion Affidavit
To Be Executed By Bidder and Submitted With Bid

State of California)
) ss.
County of _____)

_____, being first duly sworn, deposes and says that he or she is the
(Bidder's Authorized Representative)

_____ of _____ the party making the
(Title of Representative) (Legal Name of Bidder)

foregoing bid that the bid is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization, or corporation; that the bid is genuine and not collusive or sham; that the bidder has not directly or indirectly induced or solicited any other bidder to put in a false or sham bid, and has not directly or indirectly colluded, conspired, connived, or agreed with any bidder or anyone else to put in a sham bid, or that anyone shall refrain from bidding; that the bidder has not in any manner, directly or indirectly, sought by agreement, communication, or conference with anyone to fix the bid price of the bidder or any other bidder, or to fix any overhead, profit, or cost element of the bid price, or of that of any other bid, or to secure any advantage against the public body awarding the contract of anyone interested in the proposed contract; that all statements contained in the bid are true; and, further, that the bidder has not, directly or indirectly, submitted his or her bid price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, or paid, and will not pay, any fee to any corporation, partnership, company association, organization, bid depository, or to any member or agent thereof to effectuate a collusive or sham bid.

I declare under penalty of perjury under the laws of the state of California that the foregoing is true and correct.

_____
Signature of: President, Secretary,
Manager, Owner, or Representative

Subscribed and sworn to before me this, _____day of _____, 20 ___

_____
Signature of Notary Public In and For

The County of _____,

State of _____

All Signatures Must Be Witnessed By Notary

1692799v1

BAY AREA CHEMICAL CONSORTIUM
BID FORM FOR BID NO. 12-2026
FOR SUPPLY AND DELIVERY OF SODIUM HYDROXIDE

Sealed bids must be submitted in a PDF format and bidders must enter bid prices into the electronic bid platform (Line Item page)
https://bacwa.org/about-bacc/

No later than 4:00 PM. PT
Thursday, February 19, 2026

Legal Name of Bidder:
_____

Business Address
_____
_____
_____
Telephone Number: _____
Facsimile Number: _____
Email Address: _____

Authorized Representative (Please Print):
_____
Signature:_____
Date: _____

I. <u>All costs except California State sales tax and tariffs</u> for the purchase of SODIUM HYDROXIDE must be included in the amount shown entered into the electronic bid platform (Line Item page), including any and all mill assessments, fees, excise taxes, transportation charges, etc. Any exceptions to the bid must be noted under Specific Deviations on the Standard Agreement. Bidders shall submit bids per unit of measure as specified in the electronic bid platform (Line Item page).

II. <u>Bidders must submit all of the following</u>, attached to this Bid Form:

a. All requirements listed in Section 2.21 Manufacturer's Info.

b. If applicable, the name, address, and contact information for the third party hauling company as well as an affidavit signed by the Bidder that the third party hauler can and will deliver the chemical to each and every participating BACC Agency.

III. Bidder Obligations

By signing this Bid Form and entering into individual purchase orders, purchase agreements and /or contracts with BACC agencies, the bidder expressly agrees to be bound by all the provisions of the bid solicitation, including Sections I-IV.

BAY AREA CHEMICAL CONSORTIUM
Worksheet
BID NO. 12-2026
SODIUM HYDROXIDE

Refer to paragraph 2.4 Bid Pricing for full details.

Bidders shall submit bids in US$ per unit of measure indicated on this bid form, FOB Destination.
Bid prices shall be based on bulk deliveries of 2,000 gallons or more. Bidders must submit their Bid Prices via electronic bid platform - Line Items section. Do not submit Worksheet.

	Unit of Measure	Bid Price per Unit of Measure
Sodium Hydroxide 20% (Caustic)		
Marin Sonoma Napa	dry ton	$
County of Sonoma		
Sacramento	dry ton	$
City of Sacramento		
Sodium Hydroxide 25% (Caustic)		
Central Valley	dry ton	$
City of Stockton		
Marin Sonoma Napa	dry ton	$
Napa Sanitation District		
Peninsula	dry ton	$
City of San Mateo		
Sacramento	dry ton	$
City of Roseville		
City of Sacramento		
El Dorado Irrigation District		
Nevada Irrigation District		
Sacramento County Water Agency		
South Bay	dry ton	$
City of Sunnyvale		
San Jose - Santa Clara Regional Wastewater Facility		
Tri Valley	dry ton	$
Zone 7 Water Agency		
Sodium Hydroxide 30% (Caustic)		
Marin Sonoma Napa	dry ton	$
County of Sonoma		
North Bay	dry ton	$
Contra Costa Water District		

DO NOT SUBMIT WORKSHEET
ENTER BID PRICES VIA ELECTRONIC BID PLATFORM

BAY AREA CHEMICAL CONSORTIUM
Worksheet
BID NO. 12-2026
SODIUM HYDROXIDE

Refer to paragraph 2.4 Bid Pricing for full details.

Bidders shall submit bids in US$ per unit of measure indicated on this bid form, FOB Destination.
Bid prices shall be based on bulk deliveries of 2,000 gallons or more. Bidders must submit their Bid Prices via electronic bid platform - Line Items section. Do not submit Worksheet.

	Unit of Measure	Bid Price per Unit of Measure
Sacramento	dry ton	$
El Dorado Irrigation District		

Sodium Hydroxide 50% (Caustic)

Central Valley	dry ton	$
City of Stockton		
Stanislaus Regional Water Authority		
East Bay	dry ton	$
Alameda County Water District		
City of Hayward		
Marin Sonoma Napa	dry ton	$
County of Sonoma		
Marin Municipal Water District		
North Bay	dry ton	$
City of Antioch		
City of Martinez		
City of Pittsburg		
Sacramento	dry ton	$
Carmichael Water District		
City of Roseville		
El Dorado Irrigation District		
South Bay	dry ton	$
Valley Water (Santa Clara Valley Water District)		
Tri Valley	dry ton	$
City of Pleasanton		
Zone 7 Water Agency		

DO NOT SUBMIT WORKSHEET
ENTER BID PRICES VIA ELECTRONIC BID PLATFORM

ADDENDUM NO. 1
REQUEST FOR BIDS
BAY AREA CHEMICAL CONSORTIUM (BACC) BID NO. 12-2026
FOR SUPPLY AND DELIVERY OF SODIUM HYDROXIDE
Addendum Issue Date: February 13, 2023

TO ALL BIDDERS: The purpose of this Addendum is to make changes, additions, deletions, revisions, and clarifications to the bid mentioned above. The changes incorporated in the Addendum shall be considered as a part of the document and shall supersede, amend, add to, and/or subtract from those conditions shown in the original bid.

Acknowledgement: Bidders must acknowledge receipt of any and all Addenda in the space provided on the Standard Agreement of the bid document. Failure to do so may subject the Bidder to disqualification. All requirements of the bid documents remain unchanged except as cited herein.

ADDENDUM ITEMS:

1) Section / Page: The City of Pleasanton is not participating in the 12-2026 Sodium Hydroxide bid.
Section III – 1 Estimated Annual Quantities page 33-34 are **CORRECTED**
Section III - 3 Contact List page 45 is **CORRECTED**
Worksheet page 52 is **CORRECTED**
Revised Section III-1 Estimated Annual Quantities / page 33-34 are attached.
Revised Section III-3 Contact List / page 45 is attached.
Revised Worksheet / page 52 attached.

Bid opening date of February 19, 2026 remains unchanged.

END OF ADDENDUM NO. 1

ESTIMATED ANNUAL QUANTITIES FOR FISCAL YEAR 2026/2027
BID NO. 12-2026

	Unit of Measure	Estimated Annual Qty for Treatment Applications: Water	Wastewater
Sodium Hydroxide 30% (Caustic)	**dry ton**	**2,671**	**167**
Marin Sonoma			
County of Sonoma	dry ton	13	0
		13	***0***
North Bay			
Contra Costa Water District	dry ton	2,658	0
		2,658	***0***
Sacramento			
El Dorado Irrigation District	dry ton	0	167
		0	***167***
Sodium Hydroxide 50% (Caustic)	**dry ton**	**6,962**	**1,436**
Central Valley			
City of Stockton	dry ton	0	155
Stanislaus Regional Water Authority	dry ton	210	0
		210	***155***
East Bay			
Alameda County Water District	dry ton	850	0
City of Hayward	dry ton	0	16
		850	***16***
Marin Sonoma			
County of Sonoma	dry ton	1,500	0
Marin Municipal Water District	dry ton	550	0
		2,050	***0***
North Bay			
City of Antioch	dry ton	580	0
City of Martinez	dry ton	150	0
City of Pittsburg	dry ton	235	0
		965	***0***
Sacramento			
Carmichael Water District	dry ton	100	0
City of Roseville	dry ton	900	875
El Dorado Irrigation District	dry ton	175	390
		1,175	***1,265***

ESTIMATED ANNUAL QUANTITIES FOR FISCAL YEAR 2026/2027
BID NO. 12-2026

	Unit of Measure	Estimated Annual Qty for Treatment Applications: Water	Wastewater
South Bay			
Valley Water (Santa Clara Valley Water District)	dry ton	1,105	0
		1,105	***0***
Tri Valley			
Zone 7 Water Agency	dry ton	607	0
		607	***0***

BAY AREA CHEMICAL CONSORTIUM
PARTICIPATING MEMBER AGENCY CONTACT LIST
BID NO. 12-2026
SODIUM HYDROXIDE

VALLEY WATER (SANTA CLARA VALLEY WATER DISTRICT)
5750 Almaden Expressway San Jose, CA 95118

Zachary DeVine	Supervising Program Administrator	ZDevine@valleywater.org	408-630-2495
Lotina Nishijima	South Water Treatment Manager	LNishijima@valleywater.org	408-630-2795
Lei Hong	North Water Treatment Manager	LHong@valleywater.org	408-630-2761
Kelly Grabeel	Procurement Specialist	KGrabeel@valleywater.org	408-630-2397
Hortencia Gonzalez-Palencia	Senior Management Analyst	hgonzalez@valleywater.org	408-630-2489

Tri Valley

ZONE 7 WATER AGENCY
100 North Canyons Parkway Livermore, CA 94551

Zeljka Bozic	Buyer I	zbozic@zone7water.com	925 454 5029

BAY AREA CHEMICAL CONSORTIUM
Worksheet
BID NO. 12-2026
SODIUM HYDROXIDE

Refer to paragraph 2.4 Bid Pricing for full details.

Bidders shall submit bids in US$ per unit of measure indicated on this bid form, FOB Destination.
Bid prices shall be based on bulk deliveries of 2,000 gallons or more. Bidders must submit their Bid Prices via electronic bid platform - Line Items section. Do not submit Worksheet.

	Unit of Measure	Bid Price per Unit of Measure
Sacramento	dry ton	$
El Dorado Irrigation District		

Sodium Hydroxide 50% (Caustic)

Central Valley	dry ton	$
City of Stockton		
Stanislaus Regional Water Authority		
East Bay	dry ton	$
Alameda County Water District		
City of Hayward		
Marin Sonoma Napa	dry ton	$
County of Sonoma		
Marin Municipal Water District		
North Bay	dry ton	$
City of Antioch		
City of Martinez		
City of Pittsburg		
Sacramento	dry ton	$
Carmichael Water District		
City of Roseville		
El Dorado Irrigation District		
South Bay	dry ton	$
Valley Water (Santa Clara Valley Water District)		
Tri Valley	dry ton	$
Zone 7 Water Agency		

DO NOT SUBMIT WORKSHEET
ENTER BID PRICES VIA ELECTRONIC BID PLATFORM

SIGNATURES

The parties have signed this Contract, effective as of the day and year first stated above.

CONTRACTOR

Under penalty of perjury, I certify that the information provided here is correct.

Signature: 

Title: Sr. Product Director

Additional Signature (if required):

Title:

CITY OF SACRAMENTO

A Municipal Corporation

APPROVED AS TO FORM:

Signature: Michael Voss

Title: Senior Deputy City Attorney

Reviewed By:

Signature:

Title:

Approved By:

Signature:

Title:

Additional Signature (if required):

Title: