Univar Solutions USA, LLC.
8201 S. 212th
Kent, WA 98032-1994
USA

T 253-872-5040
F 253-572-5041
www.univarusa.com

UnivarSolutions
Innovate. Grow. Together.

February 13, 2026

Bay Area Clean Water Agencies

RE: Bid for Sodium Hydroxide, BACC Bid No. 12-2026

To Whom it may concern:

Univar Solutions USA, LLC. is pleased to offer a price quote on your ITB due Thursday, February 19th, 2026, and has done so on the attached required paperwork.

Our contact information for all things bid and contract related, as well as the information for your local branch, is also attached.

We look forward to hearing the results of your request – we have included a self-addressed, stamped envelope for the bid tabulations.

Thank you,

Jennifer Perras

Sr. Municipal Bid Specialist
Western Region
Univar Solutions USA, LLC.
Muniteam-west@univarsolutions.com
Jennifer.Perras@univarsolutions.com
www.univarsolutions.com

Please Note: Where applicable, any State, Federal or other appropriate taxes and/or the California Mill Assessment will appear as separate line items on any invoices from Univar. If Univar's offer (pricing) was inclusive of these charges – they will be backed out of the "product" line item and shown as their own line item(s) at the time of billing.

Please Note: Cooperative Purchasing/Contract Piggy-Back Clauses: Unless otherwise checked "yes" within the attached offer, it is Univar's standard policy NOT to agree to/participate in Cooperative Purchasing but rather to work with each individual agency and reach a pricing agreement that is based on their needs and is advantageous for both parties. Unless otherwise noted within the attached offer – pricing within is only applicable for the locations (and any potential locations) listed within these bid documents.

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CERTIFICATE OF SECRETARY

I, Jumoke Onibokun, hereby certify that:

1. I am the duly elected, qualified and acting Assistant Secretary of Univar Solutions USA LLC, a Washington Limited Liability Company (the "Company"), and am a custodian of the corporate records of the Company and am familiar with the matters herein certified.

2. The below list of persons are authorized to execute, for and on behalf of the Company, written municipal bids or municipal proposals for the sale of other disposition of products up to $2.5 million handled by the Company.

Shawnasey McCarthy- Municipal Commercial Manager
Victoria Meakim - Municipal Specialist
Roise Holiday-Henry- Municipal Specialist
Jennifer Perras – Sr. Municipal Specialist
Shelley Riggle - Municipal Specialist
Stacy Ziegler- Municipal Specialist
Raven Claudio - Municipal Specialist
Ileana Caballero – Municipal Specialist

IN WITENESS WHEREOF, I have executed this Certificate of Secretary of the Company this 3rd day of November 2025.

Signed by:
Jumoke Onibokun
A243187A5C534B5

Jumoke Onibokun, Assistant Secretary

State of Illinois)
)
County of DuPage)

This Certificate of Secretary was signed and sworn before me on this 3rd day of November 2025 by Jumoke Onibokun, Assistant Secretary of Univar Solutions USA LLC.

Seal

OFFICIAL SEAL
SANEMA GORODETSKY
NOTARY PUBLIC - STATE OF ILLINOIS
My Commission Expires 7/25/2026

DocuSigned by:
Sanema Gorodetsky
E03185C32E35401

Sanema Gorodetsky
Notary Public
My commission expires July 25, 2026

Univar Solutions USA LLC.
2461 Crocker Circle
Fairfield, CA 94533

T 408-435-8700
F 408-435-1735
800-659-5908
www.univarsolutions.com

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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

UnivarSolutions

Mission Statement

Univar sets out to be the preferred quality partner for the distribution of chemicals and services. We combine economic success with social and environmental responsibility.

Vision Statement

Be the benchmark of excellence.

Quality Policy

Univar USA Inc. is committed to the success of our customers and supplier/partners by providing value-added products and services that consistently meet requirements. In the spirit of innovation, management encourages full employee participation in the continuous review and improvement of Univar's business processes and its total quality process.

Statement of Core Values

- *Safety: Safety is the first priority, the most important aspect of our work.*
- *Continuous Improvement: We will improve results for all our stakeholders by doing the right things better every time.*
- *Employees: We respect and value every employee and are committed to support and develop each other personally and professionally.*
- *Environment: We are committed to protecting the health and well being of our employees, our customers, the community and the environment.*
- *Ethics: We treat every individual in our business and personal practices ethically with integrity and honesty.*
- *Leadership: Each of us strives to lead and motivate by example and consistently live up to these core values. We coach, train, develop and empower employees to reach their full potential.*

Univar Solutions USA Inc.
Supplier Information
Company Overview

Univar is a leading global distributor of industrial and specialty chemicals, with an extensive network of over 260 distribution facilities in North America, Europe, the Asia-Pacific region, and Latin America, and additional sales offices in Eastern Europe, the Middle East, and Africa.

We serve over 115,000 customers in more than 115 countries, representing nearly every major industry and a highly diverse set of end markets.

We source chemicals from more than 3,500 producers, including the premier global chemical manufacturers, and distribute more than 4,500 chemical products in over 110,000 stock keeping units.

In addition to our vast product offering, we provide important value-added services for our customers and suppliers, including:

- Product availability and inventory management
- Product specification and technical expertise
- Blending and mixing
- Repackaging and labeling
- Just-in-time delivery
- Vendor rationalization programs
- Waste management

Our scale, geographic reach, diversified distribution channels, industry expertise, and comprehensive product portfolio enable us to develop strong, long-term relationships with our suppliers and to provide a single-source solution for our customers.

As a world leader in chemical distribution, Univar is committed to being a responsible corporate citizen with a global focus on safety, health, the environment, and sustainability.

UnivarSolutions

Univar Solutions USA Inc.
Quality Assurance Statement

Univar USA Inc. ("Univar") offers this statement in regards to those quality measures it takes to provide quality products to you, its customer.

- Univar provides products that meet the manufacturer's specifications.
- Univar retains packaging samples and quality-related documents in accordance with its record retention program, which specifically calls for the retention of FDA regulated samples, and quality-related documents for three (3) years and EP samples and quality-related documents for six (6) years.
- Under Univar's Management of Change process, Univar forwards notices from a product's manufacturer related to ingredients, changes in processing sites, and manufacturing processes in a timely manner.
- Univar has a formalized recall process and provides notice of any known recalls or other matters that come to its attention that may directly or indirectly impact a product.
- Univar's quality control, employee training, and Safety, Health & Environmental programs meet industry standards.
- Univar develops, and maintains operational plans to meet, all federal, state, and local laws, rules, and regulations related to the packaging, storing, and distribution of products.
- Univar has facilities in the U.S. that are ISO 9001:2008 registered, including Univar's corporate office.
- Univar's facilities that handle FDA regulated product meet FDA cGMP standards.
- Univar's computer systems maintain various security controls to ensure proper management of information.

For food grade and pharmaceutical grade products:

- Univar treats FDA products under cGMP standards.
- Univar maintains strict laboratory controls, including Out of Specification ("OOS").
- Univar has a formal complaint process for all FDA regulated products.
- Univar performs bi-annual audits on its food grade packaging facilities to ensure quality and safety.
- Univar FDA packaging facilities and processes meet 21 CRF Part 210.
- Univar packages, stores, and transports under cGMP standards.
- Univar provides a Certificate of Analysis ("COA") with each shipment.
- Univar performs stability testing on all FDA Univar-packaged products.
- Univar maintains master files and individual batch files for all lots of FDA Univar-packaged products allowing full traceability.
- Univar assigns unique lot numbers and sequential numbers to its FDA Univar-packaged products.

Univar USA Inc

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).

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

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**	**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***

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

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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

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: 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

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

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

Univar Solutions USA LLC.
8201 S. 212th
Kent, WA 98032-1994
USA

T 253-872-5000
F 253-572-5041
www.univarsolutions.com

UnivarSolutions
Innovate. Grow. Together.

References

1. County & County of San Francisco
   1 Dr. Carlton B Goodlett Place
   San Francisco, CA 94102

Contact: Lin Repola- linda.repola@sfgov.org
Phone: 415-554-4564

Supply and Delivery of Bulk Sodium Hypochlorite, Caustic Soda and Sodium Bisulfite servicing for the past 13 years.

2. East Bay Mud
   PO Box
   Oakland, CA 946231

Contact: John Grimes, Purchasing
Email- john.grimes@ebmud.com
Phone: 510-287-0316
Supply and Delivery of Bulk Sodium Hypochlorite, Bulk Caustic Soda, & Bulk Sodium Bisulfite servicing for the past 14 years.

3. City of Riverside
   WTP
   San Bernardino, CA 92408

Contact: Shiloh Rogers, Procurement & Contract Specialist
Email-SARogers@riverside.gov
Phone 951-826-5562
Supply and Delivery of Sodium Hypochlorite servicing for the past 3 years.

4. BACC-Bay Area Chemical Consortium
Over 100 locations within Northern California

Contact: each city, info listed below.
Supply and Delivery of Sodium Hypochlorite, Caustic Soda, Sodium Bisulfite servicing for the past 13 years.

- City of Stockton, CA – Kathryn Garcia Kathryn.Garcia@stocktonca.gov
  Phone: 209-937-8232
- City of Turlock, CA- Lisa Quiroga equiroga@turlock.ca.us
  Phone: 209-668-5402
- Marin Municipal, CA- Jim Kenney jkenney@marinwater.org
  Phone: 415-945-1501

5. City of Los Angeles
Los Angeles, CA

Contact: Katherin Quinn-
Email: Katherine.Quinn@lacity.org
Phone: 310-648-5665
Supply and Delivery of Sodium Hypochlorite for the past 6 years

6. County Sanitation Districts of Los Angeles County
PO Box 7998
Whittier, CA 90607-4998

Contact: Martha Ibarra
Emails: mibarra@lacsd.org
Phone: (562) 908-4288 ext. 1423
For Supply and Delivery of Bulk Sodium Hydroxide (Caustic Soda) 50% and Calcium Hydroxide 45%, have been servicing for 7 years

7. Metropolitan Water Dist. of Southern California
PO Box 54153
Los Angeles, CA 90054-0153

Contact: Angelo Sarao
Email: asarao@mwdh2o.com
Phone: (213) 217-7610
Supply and Delivery of Caustic Soda and Rail Cars of Chlorine for the past 3 years

Over the past 15 years, Univar has participated in 100's of Municipal bids, we have listed the 6 projects represent our capabilities in California.

All of our operational personnel participated in making sure all delivery requirements were met to each customer.

Our customer service department takes care of all orders, they communicate with operations and the customer to make sure all requests are satisfied.

We meet 100% of our contractual obligations; any municipality that is under contract with Univar is serviced first if there is a shortage in the market place.

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

State of ~~California~~ Washington)
) ss.
County of King)

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

Sr. Municipal Bid Specialist of Univar Solutions USA, LLC 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, 13th day of February, 20 26

Signature of Notary Public In and For

The County of King,

State of Washington

STACY L ZIEGLER
NOTARY PUBLIC
STATE OF WASHINGTON
COMM. NO. 208701
MY COMM. EXP. 10-10-26

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:
Univar Solutions USA, LLC

Business Address
8201 S 212th St
Kent, WA 98032

Telephone Number: 253-872-5040
Facsimile Number: 253-872-5041
Email Address: Muniteam-west@univarsolutions.com

Authorized Representative (Please Print):
Jennifer M. Perras
Signature:
Date: 2/13/2026

I. **All costs except California State sales tax and tariffs 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. **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.

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
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		

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 El Dorado Irrigation District	dry ton	$
Sodium Hydroxide 50% (Caustic)		
Central Valley City of Stockton Stanislaus Regional Water Authority	dry ton	$
East Bay Alameda County Water District City of Hayward	dry ton	$
Marin Sonoma Napa County of Sonoma Marin Municipal Water District	dry ton	$
North Bay City of Antioch City of Martinez City of Pittsburg	dry ton	$
Sacramento Carmichael Water District City of Roseville El Dorado Irrigation District	dry ton	$
South Bay Valley Water (Santa Clara Valley Water District)	dry ton	$
Tri Valley Zone 7 Water Agency	dry ton	$

Univar Solutions USA LLC.
8201 S. 212th
Kent, WA 98032-1994
USA

T 253-872-5040
F 253-572-5041
www.univarsolutions.com

UnivarSolutions
Innovate. Grow. Together.

January 20, 2026

Current Tariff rates:
The Richmond Terminal (0841) calculations were a bit easier this time around because we received only product from Korea and Japan meaning the tariff rate was 15% for all sources.

0841- RICHMOND TARIFF RECOVERY					
Tariff Basis: CMA NEA Avg with 2 Month Offset					
Index Month	**NEA Avg ($/DMT)**	**Weighted Avg Tariff Rate**	**Tariff Fee ($/DMT)**	**Tariff Fee ($/DST)**	**Effective Month**
Mar-25	$ 477.5	10.0%	$ 48	$ 43	May
Apr-25	$ 420.0	10.0%	$ 42	$ 38	Jun
May-25	$ 410.0	10.0%	$ 41	$ 37	Jul
Jun-25	$ 415.0	10.0%	$ 42	$ 38	Aug
Jul-25	$ 395.0	10.0%	$ 40	$ 36	Sept
Aug-25	$ 392.5	15.0%	$ 59	$ 53	Oct
Sep-25	$ 400.0	15.0%	$ 59	$ 53	Nov
Oct-25	$ 382.5	15.0%	$ 57	$ 52	Dec
Nov-25	$ 378.5	15.0%	$ 57	$ 52	Jan
Dec-25	$ 361.8	15.0%	$ 54	$ 49	Feb

Thank you,

Jennifer Perras

Sr. Municipal Bid Specialist
Western Region
Univar Solutions USA, LLC.
Muniteam-west@univarsolutions.com
www.univarsolutions.com

Please Note: Seller shall indemnify Buyer for losses to the extent caused by Seller's negligence or breach of contract. Neither party is liable for incidental or consequential damages. Seller's liability is limited to the purchase price of the goods. SELLER MAKES NO WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

Please Note: Cooperative Purchasing/Contract Piggy-Back Clauses: Unless otherwise checked "yes" within the attached offer, it is Univar's standard policy NOT to agree to/participate in Cooperative Purchasing but rather to work with each individual agency and reach a pricing agreement that is based on their needs and is advantageous for both parties. Unless otherwise noted within the attached offer – pricing within is only applicable for the locations (and any potential locations) listed within these bid documents.

Univar Solutions

Date April 25, 2025

Subject: **Municipal Liquid Caustic Soda Tariff Recovery – US Western Region**

To Our Valued Municipal Customers,

On Wednesday April 2, 2025 via an Executive Order signed by the President, the United States Government announced 10% import tariffs across all imported goods effective Saturday April 5, 2025. Higher, targeted tariffs were levied against goods imported from specific countries (including all countries exporting caustic soda) and set to be enforced effective Wednesday April 9, 2025. Targeted tariff implementation was subsequently "paused" until July 9, 2025 but **10% tariffs remain in place for imported caustic soda from any source other than Canada and Mexico**. Tariffs are a tax borne by the importer and as an importer of liquid caustic soda, Univar Solutions cannot continue to secure supply for our customers while absorbing these costs.

As a result, Univar Solutions will begin passing along the costs associated with tariffs for Liquid Caustic Soda (sodium hydroxide solutions) effective May 1, 2025.

It should be noted:

- The start date for tariff recovery will be the same for all contracted municipalities.
- The tariff recovery fee will be a firm amount in US$/dst (converted to other units of measure as appropriate) and updated monthly.
- The tariff recovery fee will apply to all grades and assays (such as 50%, 30%, 25%, 20%, etc.) of liquid caustic soda.
- The tariff recovery fee will be added as an additional line item on sales invoices
- Should the US Government cease the enforcement of import tariffs for liquid caustic soda, Univar Solutions shall provide written notice to all contracted municipalities indicating the end date for tariff recovery.

Your Univar Solutions Focused Water Manager or Municipal Specialist listed below can discuss the specific impact of the tariff recovery and answer any other questions you might have. As always, we appreciate your business, and your confidence to make Univar Solutions your caustic soda supplier of choice.

Sincerely,

Tom Edman
Product Director - Caustic Soda

Jack Kenney Focused Water Sales Manager- jack.kenney@univarsolutions.com
Jennifer Perras Sr. Municipal Specialist- jennifer.perras@univarsolutions.com

UnivarSolutions

Date April 16, 2025

Subject: **Liquid Caustic Soda Tariff Recovery**

To Our Valued Customers,

On Wednesday April 2, 2025 via an Executive Order signed by the President, the United States Government announced 10% import tariffs across all imported goods effective Saturday April 5, 2025. Higher, targeted tariffs were levied against goods imported from specific countries (including all countries exporting caustic soda) and set to be enforced effective Wednesday April 9, 2025. Targeted tariff implementation was subsequently "paused" until July 9, 2025 but **10% tariffs remain in place for imported caustic soda from any source other than Canada and Mexico**. Tariffs are a tax borne by the importer and as an importer of liquid caustic soda, Univar Solutions cannot continue to secure supply for our customers while absorbing these costs.

As a result, Univar Solutions will begin passing along the costs associated with tariffs for Membrane Grade Liquid Caustic Soda effective May 1, 2025.

Your Univar Solutions Account Manager can discuss the specific impact of the price increase and answer any other questions you might have. As always, we appreciate your business, and your confidence to make Univar Solutions your caustic soda supplier of choice.

Sincerely,

Tom Edman
Product Director - Caustic Soda

UnivarSolutions
RELIABILITY THAT DELIVERS

Dear Valued Partners,

In response to the ongoing tariff discussions, we want to assure you that our supply chain and operations teams are working tirelessly to maintain the security of supply and ensure critical business operations continue seamlessly. Our commitment is to work with you and find the right solution for the application as we work together during times of uncertainty.

You know what you need and when you need it—so how can we help?

As a leader in chemicals and ingredient solutions with a global distribution network, you can count on us nationally, regionally, and locally to manage uncertainty and bring the right product at the right time to help you succeed in the marketplace.

Why Choose Univar Solutions for Your Chemical Needs?

Security of Supply: Our supply chain infrastructure is reliable and extensive, including a deep facility network and a private fleet designed to meet your unique business needs. This ensures that we can support your just-in-time delivery requirements without interruption.

Domestically Sourced Products: Strategically, we prioritize sourcing products domestically whenever and wherever possible. Our approach minimizes the risk of delays and disruptions that can arise from tariffs, import fees, and other issues to help ensure a more reliable supply chain for your business.

Predictable and Transparent Pricing: In today's dynamic market, prices fluctuate frequently. –It is our goal to provide competitive, market-relevant pricing, with a commitment to provide visibility on market impacts that you can rely on.

Dedicated Customer and Industry Focus: Our sales, product management, and customer service professionals are not just experts in chemicals and ingredients; they're experts in your market and business. Coupled with our advanced digital platforms, we're able to offer personalized services tailored to meet your unique needs and challenges.

Univar Solutions is more than just a distributor; we're a partner dedicated to ensuring the success and stability of your business. No matter the category of products you need, you can trust us to provide the supply, security and service excellence you require.

Thank you for your continued partnership. If you have any questions or need further information on how we can support your specific needs, visit our website for more information and please don't hesitate to contact your local Univar Solutions team.

Best regards,

David Jukes

President & CEO

UnivarSolutions

Date April 15, 2025

Subject: **Liquid Caustic Soda Tariff Explainer**

Unfortunately, one thing governments excel at is waging wars (literal and figurative ones). The ammunition of choice for modern trade wars is the tariff. Let's lay out US caustic trade flows and explain potential tariff impacts on the US caustic soda market.

A tariff is a tax one country levies on the goods of another country. Import tariffs are ultimately paid by the consumers of the importing country. There are two interesting things to note about the US caustic soda market that set the stage for the impact of tariffs.

First point- the US is a net exporter of caustic soda. There is far more caustic leaving the US Gulf Coast in big ships than landing on the US East and West Coasts. General volumes based on published import/export stats are:

If the US is a caustic exporter, why import it at all? That brings us to the **Second point**: US caustic soda production is concentrated in the Gulf, but demand is distributed across the US around population and manufacturing centers. Below is a heat map of North American caustic soda production capacity (the bigger the dot, the bigger the capacity). Roughly 80% of US capacity is located on the Texas/Louisiana Gulf Coast:

The realities of the caustic soda supply chain dictate the need for imports:

- There is far more caustic consumption on the West Coast than the three small West Coast producers can supply, so the imports are needed to meet demand. Replacing imported caustic is also logistically impossible:
    - To do it by rail from the Gulf would require 7,200 rail car deliveries per year.
        - There are not enough caustic rail cars available in North America to support that volume (it would take >1,200 new car builds).
        - The rail freight rate from the Gulf to the West Coast is about 2x more than the freight rate for a boat from Northeast Asia.

    - To do it by boat from the US Gulf would require a fleet of US-flagged vessels (a "Jones Act" vessel).
        - There aren't enough of Jones Act vessels to cover this amount of demand.
        - Even with enough boats, the freight rate for a boat from the Gulf to the West Coast is about 3x more than the freight rate for a boat from Northeast Asia.
- The East Coast similarly has more demand than "local supply" and already sees a mix of Gulf Coast boats (Jones Act vessels) and imports. Replacing those imports (mostly from Europe) with US production is logistically *possible*, just expensive.
    - None of the US producers is east of the Appalachians, so most domestic caustic is delivered via ocean freight (Jones Act boats) and a little comes in by rail.
    - The Jones Act boats are already busy delivering to the East Coast, and they would be tasked with hauling more per trip (fully replacing just the East Coast imports would stretch boat capacity very thin).
        - The freight rate is 1.5-2x higher for a boat from the Gulf compared to a boat from Europe (but generally still cheaper than moving caustic in by rail).

The country-specific tariffs which have been announced apply to every country exporting caustic to the US today: 32% Taiwan, 25% Korea, 24% Japan, 20% EU and 15% Norway. These percentages are massive for a commodity like caustic soda and luckily their implementation has been paused for 90 days. However, **a 10% tariff *has* been enacted** which covers all imports to the US from all sources other than Canada and Mexico and is still significant. **Importers like Univar Solutions will pay the tariff fees upon arrival and they will be passed along to customers.** Tariffs are meant to disincentivize imports, but the realities of the caustic supply chain laid out above mean that there are no substitutes for imported caustic soda (particularly on the West Coast). The increased cost driven by tariffs will be passed along to the end customer with no meaningful change in the supply chain.

Capitalism is very efficient. In a typical market, a side effect of the ability to import caustic at competitive prices is that it helps keep domestic market prices balanced. As imports face tariffs, US Chlor-Alkali producers will almost certainly raise their sale prices to increase their profitability. Buying American will not automatically mean buying for less because tariffs on caustic imports will cause domestic caustic market prices to rise. Even customers in the middle of the country (which is all domestic caustic) are likely to pay more as the market price is inflated.

Your Univar Solutions Account Manager can discuss the specific impact of tariffs and answer any other questions you might have. As always, we appreciate your business, and your confidence to make Univar Solutions your caustic soda supplier of choice.

Sincerely,

Tom Edman
Product Director - Caustic Soda

Caustic Soda Tariff Recovery

There will be a 10%-20% tariff line item added to all invoices for Caustic Soda/Sodium Hydroxide.

The tariff(s) applicable to imports of Liquid Caustic Soda are codified in the Harmonized Tariff System of the US (HTSUS).

Tariff charges are subject to adjustments based off the HTSUS and Univar will discontinue tariff recovery following the receipt of the first non-tariffed vessel into each terminal.

If you need documentation that our Caustic Soda is subject to Tariffs, Univar will make available:

- A copy of our Bill of Lading for the vessel which establishes:
  - Load Date
  - Country of Origin
- A copy of our receiving paperwork at the terminal. This will most likely be the "statement of facts" from the Ship's Agent (available a day or two following arrival) which establishes:
  - Terminal of discharge
  - Date of arrival

Please see attached Tariff Letters for additional information.

Univar Solutions

INVOICE

ORIGINAL
Page 1(1)

	Invoice Number 53044274	**Invoice Date** 28 May 2025	**Due Date** 27 Jun 2025
Remittance Instructions Below.	**P.O.Number** 250000475310	**Payment Terms** Net 30 Days	**Payer Number** 826676
	Shipped From VOPAK - WILMINGTON TRM (3P)BLK	**Sales Order Num** 15387811	**Bill-To Number** 826676
Release Number	**Bill of Lading Number** 6502659498	**Incoterms :** DDP Dest, Frt Prepaid	**Ship-To Number** 3018677

Billing address

[redacted]

Shipping address

[redacted]

Qty.	UoM	Material Number	Material Description	Batch Number	Billing Qty	UoM	Unit Price	Amount USD
38,140.000	LB	16140382	CAUSTIC SODA 50% BULK **TAXABLE** **Na2O % - 38.80** Tariff Surcharge District Tax State Tax County Tax	4527S01958	9.736	DST	[redacted] 44.0000 /DST 2.5000 % 6.0000 % 1.2500 %	[redacted] 428.38 224.65 539.19 112.33

Should you have any questions regarding this invoice, please contact

CYNTHIA ALEMAN GUERRERO Customer Solutions
at 323-837-7029 1-800-531-7106 Option 1

Invoice Total :
USD [redacted]

Pay Online
Sign in or register on
www.univarsolutions.com/invoices
Remit to
62190 Collections Center Drive
Chicago IL 60693-0621

ACH Electronic Funds Transfer
Univar Solutions USA
Bank of America, National Association
Account Number:4427142686
BOFA Routing Number:111000025

WIRE Transfer International
Univar Solutions USA
Bank of America, National Association
Account Number:4427142686
Routing Number DOM. WIRES: 026009593
SWIFT Code INTL. WIRES: BOFAUS3N

Please refer to the invoice number on the remittance.
Please return remittance advice with payment or email to: cashapps@univarsolutions.com
Please report disputed invoices within 10 days of receipt; Payment terms on undisputed invoices remain as listed

Comments:

Federal ID number 91-1347935
The terms and conditions of this sale are set forth at http://www.univarsolutions.com/sales-terms

Print date 29 May 2025

UnivarSolutions

Date November 27, 2024

Subject: **Ocean-Going Vessels At Berth Regulation Recovery Fee- January 1, 2025**

To our valued Southern California caustic soda customers,

The California Air Resources Board (CARB) enacted the 2020 At Berth Regulation for additional emissions reductions from ocean-going vessels while docked at California ports. As part of a phased implementation, all tanker vessels visiting the Port of Long Beach or the Port of Los Angeles will be required to comply with the regulation effective January 1, 2025.

In order to recover the increased cost of compliance, **effective January 1, 2025 Univar Solutions will add a "CARB Fee Recovery" line item of $15/dst (subject to periodic adjustments) for all liquid caustic soda sold from our Southern California import terminals.**

Details of the regulation are available at the CARB website.

Univar Solutions values your business and appreciates your partnership to ensure full compliance with all state and federal regulations.

Sincerely,

Tom Edman
Product Director - Caustic Soda

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Innovate. Grow. Together.

Dear Valued Customer,

Please accept this letter as confirmation that our remittance information has changed. Please find the correct banking information below:

Legal Entity Name: Univar Solutions USA, Inc

WIRE TRANSFERS
Bank of America NA
Account Number: 4427142686
ABA: 026009593
SWIFT: BOFAUS3N
Please email remit to: cashapps@univarsolutions.com

ACH PAYMENTS
Bank of America NA
Account Number: 4427142686
ABA: 111000025
Please email remit to: cashapps@univarsolutions.com

CHECK PAYMENTS
62190 Collections Center Drive
Chicago, IL 60693-0621
Please include remit information

Please contact us at 331-777-6000 if you have any further questions.

Sincerely,

David Lundin
Vice President, Financial Shared Services

Univar Solutions USA Inc.
200 Dean Sievers Place
Morrisville PA 19067

T215-337-5403
F 215 337-6290
www.univarsolutions.com

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WARRANTY. Seller warrants that Seller branded Products conform to Seller's published specifications at the time of delivery. Seller warrants that services provided by Seller will be consistent with Seller's standard specifications or, if none, with Seller's standard practices. Buyer acknowledges that Seller acts as a distributor for Products not branded by Seller (Resale Products) and that matters relating to the quality of the Products are not within Seller's control. Accordingly, SELLER MAKES NO WARRANTIES WHATSOEVER CONCERNING RESALE PRODUCTS. THE FOREGOING WARRANTIES ARE IN LIEU OF AND EXCLUDE ALL OTHER WARRANTIES EXPRESS OR IMPLIED. SELLER EXPRESSLY EXCLUDES WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE AND MERCHANTABILITY.

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Univar Inc. is committed to embedding sustainability throughout our business. Univar recognizes that sustainability goes beyond reducing our impacts on the environment and that it involves an all-encompassing social, economic and environmental philosophy. Univar is a global enterprise with a strong ethical approach to business – a responsible corporate citizen. Univar encourages and values sustainable business practices across our value chain, and we support and encourage our suppliers and customers on their journeys to a sustainable future.

To meet our commitment the Sustainability Policy is guided by the principles below:

- Compliance with all applicable legal requirements and to operate in accordance with both government and industry codes of practice and guidance that are appropriate to our activities;
- Minimize any adverse impacts of our operations on the environment or the surrounding communities;
- Engage with our key stakeholders to ensure that our environmental and social efforts remain relevant;
- Communicate our commitment and our ongoing efforts relating to sustainability to our employees and the wider value chain;
- Encourage and support environmentally and socially responsible behavior from our customers and suppliers including those relating to key topics such as climate change or labor practices;
- Consider in our actions the principles of ISO26000 'Guidance on Social Responsibility' to ensure a comprehensive approach towards sustainability;
- Open and transparent reporting on issues that may impact our environment and society annually through a report informed by the Global Reporting Initiative (GRI) standards;
- Provide our supply chain partners with more sustainable choices in the markets that we operate;
- Review performance of sustainability metrics on an ongoing basis to ensure continual improvement.

The principles of this policy are core to our sustainability agenda, shaping our objectives and initiatives.

P Hockaday

Phil Hockaday
Vice President, Global
Environmental, Health and Safety
Univar Inc.

Effective Date: 5th May 2017

NACD Responsible Distribution Process

Guiding Principles

1. To recognize and respond to community concerns about chemicals, their handling, and transportation.

2. To make health, safety, security, and environmental considerations a priority in our planning for all existing and new operations, products, processes, and facilities.

3. To inform emergency response officials, employees, customers, and the public of manufacturer's information on chemical-related health or environmental hazards, and the manufacturer's recommendations on protective measures.

4. To work with customers, in accordance with manufacturer's recommendations, on product stewardship including handling, use, transportation, and disposal of chemical products

5. To operate our plants and facilities in a manner that protects the health and safety of our employees, the public and the environment.

6. To cooperate in resolving problems created by past handling and disposal of hazardous chemicals.

7. To participate with government and others in crating responsible laws, regulations, and practices to help safeguard the community, workplace, and environment.

8. To promote the principles and practices of Responsible Distribution Process[SM] by sharing experiences and offering assistance to others who produce, handle, use, transport, or dispose of chemicals.

NACD Responsible Distribution Process

RDP – What is It?

Univar is a member of the National Association of Chemical Distributors. This trade association developed the Responsible Distribution Process[SM] (RDP), which focuses on the responsible management and distribution of chemicals.

RDP emphasizes continual improvement in the health, safety, security, and environmental performance of all NACD member companies. This includes a commitment to comply with environmental, health and safety regulations; providing critical product safety information to employees, contractors and customers; while working with local communities and neighbors to respond to their needs. RDP consists of a set of Guiding Principles and the Code of Management Practice. This Code includes 47 specific requirements, divided into twelve sections:

- Risk Management
- Compliance Review and Training
- Carrier Selection
- Handling and Storage
- Job Procedures and Training
- Waste Management & Conservation
- Emergency Response/Public Preparedness
- Community Outreach
- Product Stewardship
- Internal RDP Audits
- RDP Corrective & Preventive Action
- RDP Document & Data Control

A key requirement of RDP and a condition of membership in NACD is verification of members' RDP policies and procedures by a third-party firm. Univar received the first Third-Party verification in 1995 and received a compliance certificate. We were re-certified in 2000 and again in 2004.

Univar maintains a leadership position in NACD, and remains firmly committed to the Responsible Distribution Process and its objective of promoting continual improvement in chemical handling and distribution.

NACD Responsible Distribution Process®

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Univar Solutions USA Inc.
Safety Information

I. INTRODUCTION

(A) Scope

Univar USA Inc. (UNIVAR) is committed to conducting its operations in a manner that minimizes the risk to the safety and health of our employees, customers, the public and the environment.

(B) Purpose

This Injury & Illness Prevention Program (IIPP) has been developed by UNIVAR for its employees who may be exposed to general and/or chemical hazards. This program meets the requirements of Senate Bill 198 enacted under California Labor Code Section 6401.7 and the General Industry Safety Orders Section 3203.

This IIPP represents only a portion of UNIVAR's Safety and Environmental Program. The program includes several written programs and manuals such as the Operating Standards Manual, Emergency Contingency Plan, Risk Management Program, Process Safety Management Program, Hazard Communication Program, Respiratory Protection Program, Confined Space Entry Program, Lock Out/Tag Out Program, Hot Work Program and Documentation Manual. The IIPP is not intended to be a standalone program but rather a supplement to all of the other current programs. The primary functions of this program are to inform employees of the regulation, highlight areas of occupational hazards, direct them to the proper means of minimizing the identified hazards and define the lines of communication between employees and management.

This IIPP is available for review by employees, government agencies, vendors, contractors or any other parties who have a need to examine the Program. The Program includes:

Univar Solutions USA Inc.
Safety Information

Employer Information:	Name, address, telephone number, type of business and main activity.
Administrator Information:	Person with the authority and responsibility to administer the program.
Safety & Health Hazard Evaluation:	A two step process which includes job classification and occupational hazard analysis.
Standard Operating Procedures/ Operating Standards:	Programs and procedures necessary to ensure employee safety and health in every aspect of their job.
Inspection Program:	Inspections are conducted: (1) when the IIPP is first established; (2) whenever new substances, processes, procedures, or equipment are introduced into the workplace; (3) whenever a new or previously unrecognized hazard is identified; (4) when occupational injuries or illnesses occur; and (5) whenever workplace conditions warrant an inspection. Scheduled daily, weekly and monthly inspections.
Training Program:	Employees receive initial, refresher and ongoing training as required.
Communication:	Provides a means to instruct employees on the hazards associated with each job classification; ensure employees' compliance with standard operating procedures and safe work practices; encourage employees to participate in the safety program and identify areas of concern and/or hazards.
Safety Award Program:	Company program that encourages and rewards employees for working safely.

Univar Solutions USA Inc.
Safety Information

Progressive Disciplinary Action Policy: Company policy that disciplines employees that do not perform their job functions according to established policies, procedures and guidelines. These policies, procedures and guidelines have been developed to establish a safe working environment for all of our employees and any deviation from them will not be tolerated.

Recordkeeping Requirements: Includes this written program; hazard analysis; the OSHA 300 Log; Standard Operating Procedures; inspections; training; meeting records and disciplinary actions for a period of time prescribed

Program Reviews: Review and assess this and other company programs as required to ensure their effectiveness and applicability.

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UNIVAR SOLUTIONS SECURITY PROGRAM

As an international distributor of industrial chemicals, a participant in the National Association of Chemical Distributors Responsible Distributor program, and an active member of the communities we serve, Univar Solutions USA Inc. (Univar) has long had policies and procedures in place to ensure the security of our products, facilities, employees and communities. The following summary outlines the major provisions of Univar's Security Program which reflects not only prudent measures to maximize the secure and safe handling of chemicals, but also the security requirements of various federal programs related to management of hazardous materials including DOT hazardous material transportation requirements, DHSCFAT program and Department of Commerce import rules among others. Note that this description is necessarily a broad overview of Univar's security program as various agencies limit the security related information that can be disclosed.

For our business partners that are C-TPAT certified please consider the following outline a demonstration of the degree to which Univar complies with C-TPAT security criteria.

BUSINESS PARTNER REQUIREMENT

Univar has a written and verifiable process for the selection of business partners including manufacturers, product suppliers and vendors. Other internal requirements such as; capability of meeting contractual security requirements and financial soundness are included in the verification process.

POINT OF ORIGIN

Univar ensures its foreign business partners have security criteria in place that enhances the integrity of the shipment at point of origin. Periodic reviews of foreign business partners' processes and facilities are conducted based on risk.

CONTAINER SECURITY

Container integrity is maintained as mandated by international cargo transport laws and regulations.

EN ROUTE SECURITY

Hazardous cargo is secured while in transit. Additionally, products and routes are annually evaluated to assess potential security risks.

COMMON CARRIER EVALUATION

In addition to the above security measures, Univar has taken steps to verify our common carriers' compliance with DOT's HM-232 rules. Each common carrier has been asked to certify their security compliance with regards to HM-232.

PERSONNEL SECURITY

Personnel security begins with hiring qualified employees. Univar has established policies and procedures to ensure we hire and maintain qualified employees. These policies and procedures include, but are not limited to:

- Pre-employment background checks
- Pre-employment and random drug tests for drivers and warehouse staff
- Policy on "Standards of Conduct" (included in the Employee Handbook)
- Policy on "Confidential Information" (included in the Employee Handbook)
- Checkout procedures for terminating employees
- Referral of illegal or criminal activities to law enforcement

PHYSICAL ACCESS CONTROLS & SECURITY, PROCEDURAL & IT SECURITY

SECURITY & VULNERABILITY ASSESSMENT

Due to the hazardous nature of the chemicals we manage and distribute, Univar constantly assesses its security and vulnerability concerning internal or external threats that could potentially disrupt operations or harm our employees, communities or the environment. Univar's security program addresses the following potential sources of loss or disruption:

- Theft, vandalism, and break-ins
- Theft of confidential business information
- Sabotage of equipment, utilities, and records
- Product contamination and tampering
- Bomb threats
- Civil unrest disrupting plant access and operations
- Workplace violence and assaults

Additionally, Univar has developed a risk based matrix to identify areas of concern and has taken steps to address those areas of concern.

The initial security evaluations periodically reviewed by the site security official to evaluate the integrity and effectiveness of security policies, procedures and systems.

UNAUTHORIZED ACCESS

Univar has established minimum facility security guidelines that must be implemented and adhered to by each facility. Those minimum guidelines include but are not limited to:

- Perimeter and warehouse security
- Equipment security
- Access controls for production areas, warehouses, utility facilities, and offices
- Signs to direct visitors and vehicles to the appropriate entry points
- Visitor control

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Univar employees have been trained to question unescorted person(s) within the operating areas, and to be watchful for unusual activity on company property or in the immediate surrounding areas.

SITE SECURITY COORDINATOR

Each Univar facility has designated an employee, and an alternate, as the site security coordinator. This person(s) is responsible for performing the following security management functions:

- Prepare and implement a site specific security program consistent with the requirements herein
- Establish relationships with law enforcement and emergency response agencies
- Manage incident reporting procedures, conduct incident investigations, and ifnecessary, conduct investigations into breaches of company security policy
- Train employees about security awareness
- Address security issues in an emergency, participate in crisis management planning and ensure appropriate execution in emergency
- Periodically reassess the facility's site security program

TRAINING

The Security Coordinator or his/her designee will train site personnel upon hire and every three years thereafter on the site security program. At a minimum, training includes:

- Company security objectives
- Specific site security procedures:
    - Product integrity
    - Personnel security
    - Facility security
    - En-route security
- Employee responsibilities

Should you have any general questions regarding Univar site and transit security program, please contact Jon Webster, Senior Vice President, North America Supply Chain & Operations at (425)241-7138 or Jeff Dixon, Director, International Trade Services at (281)543-8771.

Respectfully,

Jonathan (Jon) Webster
Senior Vice President
North America Supply Chain & Operations

EMERGENCY PROCEDURES (Chapter 5)
5.01 Incidental Spill Response

05/04/2020; NEW

1. PURPOSE

Univar Solutions employees may only respond to incidental spills, which are defined as spills that do not pose a significant safety or health hazard to personnel in the area and that can be safely managed by employees in the immediate vicinity of the spill. The purpose of this standard is to prohibit Univar Solutions employees from responding to chemical releases that may cause severe injuries.

2. SCOPE

This standard applies to all spills that occur on Univar Solutions property, at customer locations, and during transit. Larger, more dangerous releases requiring emergency response must be completed by qualified contractors (see exception process for responding to Chlorine and Sulfur Dioxide releases in section 4.1.2). Additional details for responding to a variety of incidents can be found in the branch Contingency Plan.

3. RESPONSIBILITY

3.1 Employee

Univar Solutions employees must be able to identify the chemicals they work with, understand the hazards for each chemical, and use appropriate methods for preventing exposure. In the event of a spill, the employee must take steps to control the spill (if the material is identifiable and it is safe to do so), then immediately alert personnel in the immediate area and notify their supervisor. Employees must always exercise stop work authority at any point if they believe the task cannot be completed safely.

3.2 Temporary Worker

Temporary workers are not authorized to clean up spills. Temporary workers must secure the area and report all spills to their supervisor immediately.

3.3 Contractor

Contractors are not authorized to clean up spills. Contractors must secure the area and report the spill to local management immediately. Only contractors who have been specifically engaged to respond to a release may perform cleanup operations.

3.4 Branch Operations Supervisor/Branch Operations Manager (BOS/BOM)
The BOS/BOM must ensure that employees working with chemicals are properly trained in incidental spill response. The BOS/BOM must assess when the spill exceeds their ability to safely respond, and when to contact emergency contractors. All spills must be reported by the BOM in compliance with the procedures detailed in *OSM 5 20 Spill Reporting*. The BOM (or specifically assigned delegate) must inspect and maintain spill kits. The BOS/BOM must also conduct annual drills as outlined in *section 4 6* below.

3.5 District Operations Manager (DOM)
The DOM ensures that the BOM/BOSs have the required resources and support to implement the requirements outlined in this procedure.

3.6 Regional Health and Safety Manager (RHSM)
The RHSM is responsible for auditing this procedure to ensure compliance and effectiveness. The RHSM is responsible for providing support and technical assistance to BOS/BOM for safely handling incidental spills.

3.7 Regional Regulatory Manager (RRM)
The RRM is responsible for making proper notifications to local, state, and federal agencies when appropriate. The RRM also assists in proper storage and disposal of any chemical waste.

3.8 VP of Operations
The VP of Operations is responsible for reviewing requests to establish branch-specific emergency response to Chlorine and Sulfur Dioxide releases.

4. PROCEDURE

4.1 Authorized Spill Response

4.1.1 Incidental Spill Response
Univar Solutions employees may only respond to spills that do not pose a significant safety or health hazard to personnel in the area and that can be safely managed by employees in the immediate vicinity of the spill.

4.1.2 Emergency Response to Chlorine and Sulfur Dioxide Releases
If the Operations Director believes a branch has the operational need and ability to respond to Chlorine or Sulfur Dioxide releases using Univar Solutions employees, the Operations Director, in consultation with the EHS department, must request authorization from the VP of Operations to implement a local emergency response program.

Upon approval from the VP of Operations, the Health & Safety team will assist local operations in implementing an emergency response program consisting of the following:

- HAZWOPER training for emergency responders
- Emergency response SOPs
- Specialized training for responding to Chlorine and Sulfur Dioxide releases
- Annual emergency response drills

4.2 Prohibited Emergency Spill Response

Univar Solutions employees are prohibited from responding to the following types of spills:

- Large chemical releases requiring aggressive emergency response efforts by emergency response contractors.
- Spills where the product or waste material cannot be identified.
- Spills involving a potential IDLH (Immediately Dangerous to Life and Health) atmosphere.
- Spills with a recognized fire or explosion risk.
- Spills that could create an oxygen-deficient atmosphere.
- Spills involving the following chemicals, regardless of size; Cyanide, Hydrofluoric Acid, Ammonium Hydroxide or Formaldehyde.
- Spills involving Chlorine or Sulfur Dioxide can be responded to only if VP of Operations approval is obtained, and a documented emergency response program is in place. See section 4.1.2.
- Univar Solutions employees must never be dispatched to respond to a spill at off-site locations (e.g. spills at customer sites, spills on public roads, etc.).

4.3 Responding to Incidental Spills

Before responding to any incidental spills, employees must use appropriate PPE in compliance with *OSM 1.21 Exhibit 1 PPE Hazard Assessment*. Employees must take the following steps when responding to incidental spills:

4.3.1 Identify the Spilled Material

Before responding to any spill, employees must be able to positively identify the chemical using product labels, Safety Data Sheets (SDS), etc. If the chemical cannot be identified, the area must be secured and an emergency response contractor must be used for cleanup.

4.3.2 Stop the Spill

Take initial steps to stop or control the spill by using E-Stop devices, turning container on its side, closing valves, turning off pumps, etc. If this cannot be completed safely, employees must evacuate the area and take no further action without guidance from the BOS/BOM.

4.3.3 Notify

Immediately notify personnel in the area using verbal communication, caution tape, safety cones, etc. After notifying personnel in the area, the employee must then notify the BOS/BOM.

4.3.4 Assess and Authorize

Assessing the spill is a critical step in determining if it is safe to take further action to manage the spill. The BOS/BOM must authorize cleanup of the incidental spill. In addition to the prohibitions in *section 4.2*, BOS/BOM must consider the following factors when assessing their ability to safely clean up the spill:

- Is appropriate PPE available?
- Are adequate supplies available to complete the cleanup?
- Can the size of the spill be safely managed by employees in the immediate area?
- Is there a risk of incompatible materials creating a dangerous reaction?
- If dealing with a flammable or combustible chemical, is there a risk of accumulation of flammable vapors? Are there any possible ignition sources in the area?
- Are there other dangerous vapors in the area?
- Is a JSA needed to properly address the hazards and controls?

4.3.5 Cleanup

Employees must complete the following steps to clean up the spill following the assessment:

1. Obtain BOS/BOM approval to proceed with the cleanup.
2. Locate nearest spill kit.
3. Wear appropriate PPE while cleaning up the spill. Reference the SDS and *OSM 1 21 Exhibit 1 PPE Hazard Assessment* table for specific PPE requirements.
4. Dispose of spilled material and contaminated materials using proper disposal procedures. BOM must consult with Regional Regulatory Manager or ChemCare® Specialist for proper disposal procedures.

5. Properly decontaminate or dispose of all PPE and tools used during the cleanup process.

4.4 Spill Reporting

All spills must be reported by the BOM in compliance with the procedures detailed in *OSM 5 20 Spill Reporting*.

4.5 Spill Kits

The BOM (or specifically assigned delegate) must inspect and maintain spill kits according to the following requirements:

4.5.1 Spill kits must be located in areas where incidental spills are likely to occur.

4.5.2 Spill kits must be labeled, easily accessible, and fully stocked. See *Exhibit 1: Incidental Spill Kit Inventory* for ordering and restocking spill kits.

4.5.3 Spill kits must contain items appropriate for chemicals and conditions in the area. See *Exhibit 1: Incidental Spill Kit Inventory* for recommended spill kits.

4.5.4 Spill kits must have a numbered break away seal. The seal number must be inspected monthly to ensure the seal has not been broken. Log these inspections on *Exhibit 3: Monthly Spill Kit Seal Inspection Log*.

4.5.5 If the Spill Kit seal has been broken, then the employee inspecting the seal must:

1. Open the spill kit and replace any missing items per *Exhibit 1* requirements
2. Then reseal the spill kit with a new numbered break away seal, logging the new seal number on *Exhibit 3*

4.6 Annual Spill Response Drills

4.6.1 At minimum, once per calendar year, the BOS/BOM must conduct a hands-on spill response drill with operational employees expected to participate in incidental spill response.

4.6.2 The drill must be conducted using the scenarios detailed in *Exhibit 2: Incidental Spill Response Drill.*

5. DEFINITIONS

Not applicable

6. RECORDS GENERATED AND RETENTION

Record	How Long to Retain	Location	Responsible
Exhibit 3: Monthly Seal Inspection Log	3 years	Branch Files	BOM
Exhibit 2: Incidental Spill Response Drill	3 years	Branch Files	BOM

7. TRAINING

OTC 238 Incidental Spill Response

8. REFERENCES

Exhibit 1: Spill Kit Inventory
Exhibit 2: Incidental Spill Response Drill
Exhibit 3: Monthly Spill Kit Seal Inspection Log
OSM 5 20 Spill Reporting

COMMON CARRIER EVALUATION

In addition to the above security measures, Univar has taken steps to verify our common carriers' compliance with DOT's HM-232 rules. Each common carrier has been asked to certify their security compliance with regards to HM-232.

Should you have any questions regarding any of the items noted in this security program summary, please feel free to contact your local Univar representative or myself at (425) 889-3776.

Respectfully,

Ed Higbee
Director – Regulatory, Health & Safety

I. Introduction

(A) Scope

Univar USA LLC (UNIVAR) is committed to conducting its operations in a manner that minimizes the risk to the safety and health of our employees, customers, the public and the environment.

(B) Purpose

This Injury & Illness Prevention Program (IIPP) has been developed by UNIVAR for its employees who may be exposed to general and/or chemical hazards. This program meets the requirements of Senate Bill 198 enacted under California Labor Code Section 6401.7 and the General Industry Safety Orders Section 3203.
This IIPP represents only a portion of UNIVAR's Safety and Environmental Program and covers the California branch locations. The Program includes several written programs and manuals such as the Operating Standards Manual, Emergency Contingency Plan, Risk Management Program, Process Safety Management Program, Hazard Communication Program, Respiratory Protection Program, Confined Space Entry Program, Lock Out/Tag Out Program, Hot Work Program and Documentation Manual. The IIPP is not intended to be a stand-alone program but rather a supplement to all of the other current programs. The primary functions of this program are to inform employees of the regulation, highlight areas of occupational hazards, direct them to the proper means of minimizing the identified hazards and define the lines of communication between employees and management.

This IIPP is available for review by employees, government agencies, vendors, contractors or any other parties who have a need to examine the Program. The Program is managed by the Corporate Risk Management and EHS Departments. The Program includes:

Employer Information:	Univar USA LLC, 3075 Highland Parkway, Suite 200, Downers Grove, IL 60515-5560, Jack Spicuzza VP Global EHS, Audra Sargeant-Director of H&S 217-412-4107
Administrator Information:	425-889-3791, chemical distribution (type of business and main activity).
	Person(s) with the authority and responsibility to administer this program. Jack Spicuzza VP Global EHS, Audra Sargeant-Director of H&S 217-412-4107

Safety & Health Hazard Evaluation:	A two-step process which includes job classification and occupational hazard analysis.
Standard Operating Procedures/ Operating Standards:	Programs and procedures necessary to ensure employee safety and health in every aspect of their job.
Inspection Program:	Inspections are conducted: (1) when the IIPP is first established; (2) whenever new substances, processes, procedures, or equipment are introduced into the workplace; (3) whenever a new or previously unrecognized hazard is identified; (4) when occupational injuries or illnesses occur; and (5) whenever workplace conditions warrant an inspection. Scheduled daily, weekly and monthly inspections are also conducted. All inspection forms that implement the safety programs in OSM are located in MaintainX.
Training Program:	Employees receive initial, refresher and also participate in the company's Serious about Safety program. Ongoing training is required and training is managed through the LMS.
Communication:	Provides a means to instruct employees on the hazards associated with each job classification; ensure employees' compliance with standard operating procedures and safe work practices; encourage employees to participate in the safety program and identify areas of concern and/or hazards.
Progressive Disciplinary Action Policy:	Company policy that disciplines employees that do not perform their job functions according to established policies, procedures and guidelines. These policies, procedures and guidelines have been developed to establish a safe working environment for all of our employees and any deviation from them will not be tolerated.

Recordkeeping Requirements:	Includes this written program; hazard analysis; the OSHA 300 Log; Standard Operating Procedures; inspections; training; meeting records and disciplinary actions for a period of time prescribed by laws, regulations or the UNIVAR's Record Retention Policy .
Program Reviews:	Review to ensure Cal-OSHA and other company programs are updated as required to ensure compliance and effectiveness.

II. Written Program

(A) Employer Information

This IIPP is specifically designed for UNIVAR facility located at:

Address: 950 Lovebridge Rd

City: Pittsburg State: CA Zip Code: 94565

Telephone Number: (408) 953 1649

Type of Business: Distribution

Main Activity: Chemical Distribution

SIC Code: 5169

(B) Responsibility

The person with the authority and responsibility for implementing this IIPP:

Name: Lloyd Sr

Title: Transportation Manager

Alternate: Patrick O'Malley

Title: District Transportation Manager

(C) Safety & Health Hazard Evaluation

Careful review has been given to all positions and job functions within UNIVAR and the following job classifications have been determined to most accurately represent the workforce at our locations:

1) Administrative

This job classification includes positions in the office, accounting, sales, supervisory and management areas.

2) Material Handlers

This job classification includes positions in the warehouse, tank farm, laboratory and field technicians.

3) Maintenance

This job classification includes positions in vehicle and general facility maintenance.

4) Transportation

This job classification includes positions with full-time or part-time driving capacity.

A review of accidents, injuries, and illnesses, periodic and scheduled safety inspection records, information provided by employees, and each job classification identified above has been conducted to determine the occupational hazards associated with each job classification. These occupational hazards have been identified and are listed in Appendix A of this program. All Operations/Transportation Managers and Supervisors have been trained by the Corporate EHS Department through Safety Compliance Leadership Training (SCLT) on hazard recognition and identifying controls to prevent injury. All employees are trained to report hazards and unsafe conditions at their work site without fear of reprisal. Employees also participate on the Safety Committees at the branch location. New committee members are assigned annually, rotation of employees ensure wider participation. Meeting minutes are documented (see Appendix A).

(D) Standard Operating Procedures/Operating Standards

UNIVAR has developed Standard Operating Procedures/Operating Standards to minimize exposure to the occupational hazards associated with each job classification. These Standard Operating Procedures/Operating Standards identify pertinent information such as safe working conditions, safe work practices, and personal protective equipment. UNIVAR's standard operating procedures are included in such documents as the Operating Standards Manual, Emergency/Contingency Plan, Risk Management Program, Process Safety Management Program, Hazard Communication Program, Respiratory Protection Program and the Confined Space Program.

(E) Inspection Program

(1) Summary

UNIVAR conducts inspections to identify and evaluate workplace hazards.

The inspections are performed when one of the following occurs:

1. The IIPP is first established.
2. New substances, processes, procedures or equipment which present potential new hazards are introduced into the workplace.
3. The employer becomes aware of new or previously unrecognized hazard.
4. An occupational injury or illness occurs.
5. Workplace conditions warrant an inspection.

Annual EHS audits that include the Program are performed by qualified internal auditors. Corrective actions to findings are tracked until closure. Hazard assessments and PPE certification are performed at least every 3 years or whenever modifications or new processes are introduced in operations, according to Operations Standards manual (OSM) Section 1.21. All audit reports include date of audit, name of auditors, completed audit checklists, and other supporting documentation. Records are maintained on file in the Document Manual File at the branch location.

UNIVAR also schedules periodic inspections of several work areas around the facility. These inspections are intended to address each aspect of our operations such as emergency response, personal protective equipment, loading and unloading areas (including railcars), hazardous waste and virgin material storage areas, repackaging and drumming areas, maintenance facilities and transportation vehicles. Each specific area has a designated inspection schedule. The schedules of inspection are based on the frequency of use and the hazards associated with each item.
The inspection schedule identifies the area, structure or equipment; the specific items to be inspected; the hazards or problems associated with each item and the frequency of inspections. The inspection schedule is identified in Appendix C of this program.

In addition to inspecting all aspects of the operations, periodic reviews are to be conducted to verify appropriate documentation of inspections, meetings, training, driver qualification files, etc. These reviews are conducted once or twice annually by area designated personnel as part of the environmental, safety and health audit. Where possible, audits/reviews are completed by personnel not affiliated with the facility to achieve maximum objectivity.

(2) Accident/Injury Investigation

UNIVAR is self-insured and has a vested interest in preventing occupational accidents, injuries or illnesses. Employees are required to report all incidents no matter how minor they might appear to be. Following a report of an incident, the supervisor/manager in charge is required to investigate each incident and document the findings in an *Incident Report* and enters the incident investigation into the Enablon incident management system. The report addresses:

a) Type of Incident: Was it an employee injury, a near miss, etc.?

b) Description: What happened? What are the facts of the incident?

c) Root Cause: Why did the incident happen? Focuses on objective causes of the incident.

d) Recommendations: – What corrective actions need to be taken to prevent reoccurrence.

This investigation process is designed to monitor and identify trends in employee behavior as well as the physical processes in the facility. The safety committee also reviews all *Incident Reports* for the previous month to determine/review the root cause of each incident and suggest corrective/disciplinary action if appropriate. A copy of the *Incident Report* form is included in Appendix E of this program.

(3) Corrective Action

An inspection program is only as effective as its corrective action plan. UNIVAR has two types of written corrective action plans. The remedial action section(s) of the Daily, Weekly and Monthly Inspection Forms addresses the deficiencies discovered during routinely scheduled inspections. The Safety Environmental Review Action Report addresses the deficiencies discovered during annual/biannual environmental, health and safety audits. UNIVAR's policy regarding corrective action related to cases of imminent danger is also discussed below.

The Inspection Forms list the items identified as deficient; the remedial action required correcting the deficiencies and the date that corrective action is to be completed. Items identified as deficient are ranked based on the severity of the potential hazard, i.e. items with high hazard potential are given priority over items with low hazard potential. Records of remedial action as part of the Inspection Forms will be maintained according to the facility's Record Retention Policy. Copies of the Inspection Forms are given in Appendix C of this program.

The Safety Environmental Review Action Report is designed to identify deficiencies during the environmental health and safety audits; establish corrective action; the identity of the person(s) responsible for the corrections and the date of completion for each item. The Safety Environmental Review Action Report is to be reviewed by and certified by the Transportation Manager.

In cases where an imminent danger exists which can not be abated without endangering the health or safety employees, all personnel must be evacuated from the area except those necessary to correct the hazard. Employees selected to correct the hazard must be provided with all proper safeguards before taking corrective action.

(F) Training

Because of the physical nature of chemicals handled daily at Univar
training is a vital part of our operations. The primary purpose of a training program is to inform employees of the potential occupational hazards identified in the general work place and those specifically related to each job assignment. Further, the training program is designed to inform employees of the most effective means of minimizing the potential hazards associated with each job assignment. This includes safe working conditions, safe work practices and personal protective equipment.

Univar Training Program divided into three major components: initial, ongoing and refresher training. All training is entered and managed through the Learning Management System (LMS). Hardcopy training attendance sheets are also maintained as backup documentation at the branch location. Training requiring testing, results of the tests are also included in the documentation. Training records are retained based on the retention schedule defined by the Legal Department. All records are maintained at least the previous 5 years. Each component of the training program is identified below.

(1) **Initial Training**

a) Administrative employees are trained on general office hazards and their limitations within operations areas. Additionally, administrative employees are trained on hazards associated with the classes of chemicals found on site, how to protect themselves in the event of an emergency and proper evacuation procedures. This is primarily accomplished through the Hazard Communication Program and the Contingency Plan.

b) Operations personnel are trained based on the duties and functions to be performed in an emergency response organization. There are two categories:

1. Operations personnel are required to complete a 24 hour training program consistent with OSHA's requirements set forth in 29 CFR Section 1910.120(q)(6) for *Hazardous Materials Technicians*. The 24 hour OSHA training program consists of all of requirements set forth above for the *First Responder Operations level* as well as:

    - Emergency response plan implementation.
    - Classification, identification and verification of known and unknown materials by the use of field survey instruments and equipment.
    - Chemical and toxicological terminology and behavior.
    - Being able to function in an assigned role in the Incident Command System.

2. Transportation managers and supervisors are required to complete a 24 hour training program consistent with OSHA's requirements set forth in 29 CFR Section 1910.120 (e)(3). The 24 hour OSHA training program consists of:

    - Emergency response plan development and implementation.
    - Hazard and risk assessment techniques.

- Selection and use of personal protective equipment.
- Safe use of engineering controls and equipment on the site.
- Medical surveillance (symptoms and signs which might indicate overexposure to hazards).
- Decontamination procedures.
- Confined space awareness.
- Spill containment program development and implementation.

Also, consistent with OSHA's training requirement set forth in 29 CFR Section 1910.120(e)(4), operations supervisors and managers are required to receive an additional 8 hour training program on:

- The company's safety & health program(s).
- The company's employee training program(s).
- The company's personal protective equipment program(s).
- The company's spill containment program(s).
- The company's health hazard monitoring procedures and techniques.

Employees who can demonstrate by means of documentation, through either previous work experience or equivalent training competency in the above mentioned areas will be exempted from the initial training.

(2) **Ongoing Training**

The second component of Univar training program is ongoing training. Ongoing training is designed to instruct employees on new policies and procedures, changes in facility equipment, processes, or materials handled and address issues of concern and/or trends. It is also designed to reinforce previous training if management deems it necessary.

Ongoing training is facilitated through monthly safety meetings. Safety meetings are scheduled in advance and attendance is mandatory. Safety meetings are designed to provide an opportunity for employees to express their concerns about any particular aspect of our operations or make suggestions on enhancing operations or minimizing the potential hazards associated with a specific job function.

(3) Refresher Training

The third component of Univar training program is refresher training. Refresher training is required for specific training topics. It is intended to maintain a high level of proficiency throughout employment and ensure constant updates of training information. A list of required refresher training is included in Appendix F of this program.

(G) Communication

UNIVAR requires its employees to participate in the safety program. The opportunity to participate in the safety program is facilitated through safety meetings; safety committee meetings and Management's Open Door Policy. Management monitors employee behavior and addresses these behaviors through the company's safety award program and progressive disciplinary action policy.

(1) Safety Meetings

The first and most often utilized avenue of communication is the monthly safety meetings. Because management participates in all safety meetings, it is the most convenient means of establishing a two-way dialogue between employees and management. Safety meetings are divided into two parts. The first part is the training session, which provides information on new policies, procedures, equipment, or process changes.

The second part of the safety meeting is to allow employees and management to discuss any concerns.

(2) Safety Committee Meetings

UNIVAR also holds monthly safety committee meetings for a duration of 30-60 minutes, depending on meeting content. The safety committee is comprised of at least one Branch Operations Supervisor/Manager and representatives from each operating area of the facility. The responsibilities of the safety committee include:

- To serve in planning the facility's safety program; to take a leading role in making the program operate successfully and to influence others to work safely.

- To plan and organize employee safety meetings, including training aids, outside speakers, etc.

- To establish procedures for handling suggestions and recommendations and prepare minutes of its meetings and employee safety meetings.

- To study and recommend adoption of changes to procedures pertaining to the use of personal protective equipment or devices for the elimination or control of hazards based on suggestions of operation personnel.

- To establish a system of follow-ups and deadlines on all recommendations to the committee to see that compliance is achieved.

- To review Incident Notifications for completeness and to make recommendations to management in regards to corrective actions, disciplinary actions, etc.

- To ensure an accident-free operation through constant monitoring of conditions, preventative maintenance and the establishment of safe operating procedures with the help and recommendations of operations personnel.

- To ensure that the safety and health policy of the company is communicated to every employee and that such policy is effectively implemented.

- To communicate new safety ideas to area management so that all facilities may benefit.

- To document committee attendees, discussion topics, action items and a corrective action schedule to meet recordkeeping and follow-up requirements.

- To ensure compliance with federal, state and local safety regulations.

(3) Management's Open Door Policy

UNIVAR recognizes that some employees will be less comfortable discussing health and safety issues in open forum situations such as the monthly safety and safety committee meetings. For this reason, UNIVAR has chosen to adopt an Open Door Policy. This policy encourages employees to discuss any health and safety concerns with management by allowing them to present the issue to a supervisor either directly or on an anonymous basis at any time without fear of reprimand or reprisal. The supervisor must investigate the issue and report the findings to the employee that originally presented the issue. The supervisor must take corrective action, where applicable, within a reasonable amount of time.

(H) US Recognition Program Overview

(1) ABCD Recognition (Above and Beyond the Call of Duty)

Employees may be nominated for going above and beyond the call of duty in any aspect of their job related to health and safety, regulatory compliance or operational excellence. Nominations are forwarded to the ROM who meets monthly with a committee of regional and national EHS and operations personnel to award ABCD letters of recognition. The letters are a token of appreciation for taking the time and initiative to go above and beyond the call of duty. Any IC employee can be nominated for ABCD recognition.

(2) Group Annual Recognition

Branches receive a perpetual plaque for 'years without an OSHA recordable injury'. An annual tag will be presented to each branch after every year in which all employees at the branch have had no recordable injuries. The annual tag will be hung from a plaque that hangs in the branch reception area to show suppliers, customers, inspectors, and members of our communities that we are "Serious About Safety."

(I) Progressive Disciplinary Action Policy

UNIVAR is committed to protecting the health and safety of its employees and will take all actions necessary to ensure that employees comply with safe work practices and the use of personal protective equipment. Employees who consistently violate company policies and procedures with respect to health and safety will be subject to disciplinary action up to and including termination.

(J) Recordkeeping

This IIPP and its components including hazard identification, Standard Operating Procedures, inspections, training program, communication, and all other forms of documentation associated with this program will be maintained for three (3) years unless otherwise specified by other statute or the company's *Record Retention Policy*. This Program and any records associated with it will be available for inspection or review by employees, government agencies, vendors, contractors or other selected parties.

(K) Program Reviews

As part of UNIVAR's commitment to the health and safety of its employees, this and all other programs associated with these issues will be reviewed to ensure their effectiveness and applicability. Applicable CalOSHA standards are reviewed to ensure compliance at the branch location. CalOSHA standards are incorporated into the branch standard operating procedures where applicable. Any policies or sections found to be inadequate will be revised, updated and implemented into the respective program. Employee training will be conducted for any changes made to this or related programs.

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.

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 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.

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

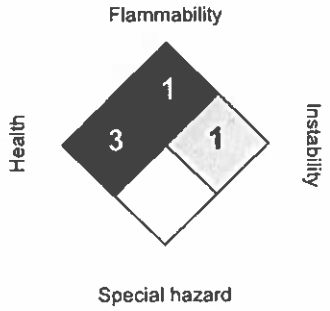
KECI : On the inventory, or in compliance with the inventory

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.

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)

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.

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

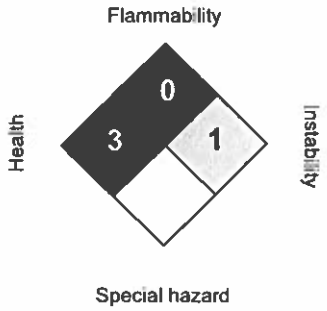
PICCS : On the inventory, or in compliance with the inventory

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.

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.

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).

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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.

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PICCS	:	On the inventory, or in compliance with the inventory
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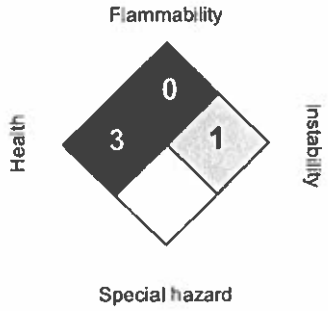
SECTION16. OTHER INFORMATION

NFPA:



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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

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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

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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)

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.

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

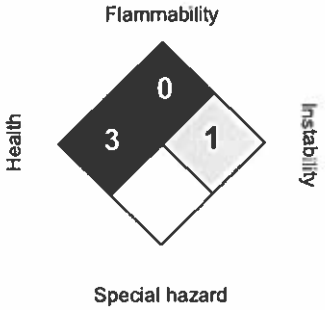
California Prop 65 : This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

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
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 LIABILITY INSURANCE

DATE(MM/DD/YYYY): 05/30/2025

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Aon Risk Services Central, Inc. Philadelphia PA Office 100 North 18th Street 15th Floor Philadelphia PA 19103 USA	CONTACT NAME: PHONE (A/C No. Ext): (866) 283-7122 FAX (A/C. No.): 800-363-0105 E-MAIL ADDRESS:
INSURED Univar Solutions USA LLC 3075 Highland Parkway Suite 200 Downer's Grove IL 60515 USA	INSURER(S) AFFORDING COVERAGE — NAIC # INSURER A: Illinois Union Insurance Company — 27960 INSURER B: ACE American Insurance Company — 22667 INSURER C: ACE Fire Underwriters Insurance Co. — 20702 INSURER D: Indemnity Insurance Co of North America — 43575 INSURER E: INSURER F:

COVERAGES CERTIFICATE NUMBER: 570106220337 REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS. Limits shown are as requested

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
B	X COMMERCIAL GENERAL LIABILITY CLAIMS-MADE X OCCUR GEN'L AGGREGATE LIMIT APPLIES PER X POLICY PRO-JECT LOC OTHER:			XSLG48983340 SIR applies per policy terms & conditions	06/01/2025	06/01/2026	EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS - COMP/OP AGG	$3,000,000 $3,000,000 Excluded $3,000,000 $3,000,000 $3,000,000
B	AUTOMOBILE LIABILITY X ANY AUTO OWNED AUTOS ONLY HIRED AUTOS ONLY SCHEDULED AUTOS NON-OWNED AUTOS ONLY			ISA H11357362 Commercial Auto	06/01/2025	06/01/2026	COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident)	$5,000,000
A	X UMBRELLA LIAB X OCCUR EXCESS LIAB CLAIMS MADE DED X RETENTION $5,000,000			XCEG27380566012	06/01/2025	06/01/2026	EACH OCCURRENCE AGGREGATE	$5,000,000 $5,000,000
D	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY			WLRC72794515 AOS	06/01/2025	06/01/2026	X PER STATUTE OTH-ER	
C	ANY PROPRIETOR / PARTNER / EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) Y/N: N — N/A If yes, describe under DESCRIPTION OF OPERATIONS below			SCFC72794527 WI	06/01/2025	06/01/2026	E.L. EACH ACCIDENT E.L. DISEASE-EA EMPLOYEE E.L. DISEASE-POLICY LIMIT	$1,000,000 $1,000,000 $1,000,000
A	Environmental Site Liability			G71507944 003 Pollution-ClaimsMade Form SIR applies per policy terms & conditions	06/01/2025	06/01/2028	Aggregate Ea Condition SIR	$10,000,000 $1,000,000 $1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

ADDITIONAL INSURED STATUS PROVIDED FOR ALL OF THE ABOVE POLICIES (EXCEPT WORKERS COMP) & WAIVER OF SUBROGATION IS AWARDED AS REQUIRED BY WRITTEN CONTRACT.

CERTIFICATE HOLDER	CANCELLATION
Univar Solutions USA LLC 3075 Highland Parkway Suite 200 Downer's Grove, IL 60515 USA	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE Aon Risk Services Central Inc

Holder Identifier :

Certificate No :

AGENCY CUSTOMER ID: 570000014538
LOC #:

ADDITIONAL REMARKS SCHEDULE

AGENCY	NAMED INSURED
Aon Risk Services Central, Inc.	Univar Solutions USA LLC
POLICY NUMBER	
CARRIER / NAIC CODE	EFFECTIVE DATE

ADDITIONAL REMARKS

THIS ADDITIONAL REMARKS FORM IS A SCHEDULE TO ACORD FORM,
FORM NUMBER: ACORD 25 FORM TITLE: Certificate of Liability Insurance

INSURER(S) AFFORDING COVERAGE	NAIC #
INSURER	
INSURER	
INSURER	
INSURER	

ADDITIONAL POLICIES If a policy below does not include limit information, refer to the corresponding policy on the ACORD certificate form for policy limits.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YYYY)	POLICY EXPIRATION DATE (MM/DD/YYYY)	LIMITS	
	AUTOMOBILE LIABILITY							
B				MMT H11357404 Truckers Liability	06/01/2025	06/01/2026	Combined Single Limi	$5,000,000
	WORKERS COMPENSATION							
B		N/A		WCUC72794539 Excess WC--CA OH OR,WA SIR applies per policy terms & conditions	06/01/2025	06/01/2026		
	OTHER							
	Claims Made Form							