

BAY AREA CHEMICAL CONSORTIUM

REQUEST FOR BIDS

BID NO. 13-2025

FOR SUPPLY AND DELIVERY OF SODIUM HYPOCHLORITE 12.5%

BID DUE DATE: 4:00 P.M. PT, Thursday, February 20, 2025

BID OPENING DATE: 4:00 P.M. PT, Thursday, February 20, 2025

**Coordinating Agency:
Bay Area Clean Water Agencies**

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**NOTICE INVITING SEALED BIDS
FOR SUPPLY AND DELIVERY OF SODIUM HYPOCHLORITE 12.5%
BAY AREA CHEMICAL CONSORTIUM (BACC)
BID NO. 13-2025**

The Bay Area Chemical Consortium (BACC), a cooperative group of public agencies, is seeking competitive sealed bids for the supply and delivery of SODIUM HYPOCHLORITE 12.5%. All sealed bids to be considered for this solicitation must be received via our electronic bid platform <https://bacwa.org/bacc/> by **4:00 P.M. PT, Thursday, February 20, 2025**. Bids received after said date and time will not be considered under any circumstances. Bids submitted by mail or by facsimile will not be accepted. BACC and its member agencies reserves the right to reject any and all bids and to waive informalities and immaterial irregularities or technical defects in the bids received.

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

SECTION I

**BAY AREA CHEMICAL CONSORTIUM
GENERAL
FOR BID NO. 13-2025
SODIUM HYPOCHLORITE 12.5%**

**BAY AREA CHEMICAL CONSORTIUM
REQUEST FOR BIDS
FOR SUPPLY AND DELIVERY OF SODIUM HYPOCHLORITE 12.5%
BID NO. 13-2025**

Sealed bids will only be received electronically via our electronic bid platform <https://bacwa.org/bacc/> no later than **4:00 P.M. PT, Thursday February 20, 2025**.

1. GENERAL PROVISIONS

The Bay Area Chemical Consortium (BACC) is a cooperative group of public agencies each individually established under the laws of the State of California. For this particular bid solicitation, the participating member agencies include those listed in Section III-1, Estimated Annual Quantities. These participating BACC agencies, acting collectively through their authorized agents, are seeking competitive sealed bids for the supply and delivery of SODIUM HYPOCHLORITE 12.5%.

Sealed bids will only be received electronically via our electronic bid platform <https://bacwa.org/bacc/> no later than 4:00 P.M. PT, Thursday February 20, 2025. 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/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/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/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. Bidders shall provide bid prices via the electronic bid platform <https://bacwa.org/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/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/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/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/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/bacc/> **by no later than 4:00 P.M. PT, Thursday, February 20, 2025**. 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/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/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/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 (jdymment@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. It 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, 2025, and expiring June 30, 2026, with an option to extend the contract on a year-to-year basis, not to exceed three (3) yearly renewals if conditions and service are satisfactory to both the respective BACC agency and the successful bidder. The price for any succeeding periods of

service shall be determined by negotiation between the respective BACC agency and the successful bidder.

4.10 Good Faith Bidding and Contracting

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

4.11 Termination of Contract

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

4.12 Termination for Cause

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

4.13 Effect of Termination

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

4.14 Assignment

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

4.15 Competitiveness and Integrity

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

-END OF SECTION-

SECTION II

**BAY AREA CHEMICAL CONSORTIUM
PRODUCT TECHNICAL SPECIFICATIONS
FOR BID NO. 13-2025
SODIUM HYPOCHLORITE 12.5%**

PRODUCT TECHNICAL SPECIFICATIONS
12.5% SODIUM HYPOCHLORITE FOR BOTH POTABLE AND NON-POTABLE USES

1. Chemical and Physical Properties:

All sodium hypochlorite supplied under this bid must conform to the current version of the American Water Works Association (AWWA) B300-18 Standard for Hypochlorite, the American National Standards Institute/National Sanitation Foundation Standard 60-2005 (ANSI/NSF 60) Drinking Water Treatment Chemicals, except as modified or supplemented herein. Current AWWA B300-24 and ANSI/NSF 60 certification for the manufacturing facility of facilities is required with the submission of the bid. It is the responsibility of the vendor to inform the participating BACC Agencies (within 24 hours, from the time of verbal or written notification) that NSF certification has been revoked or lapsed. Loss of NSF certification shall constitute sufficient grounds for immediate termination of the contract. Bill of Lading must clearly identify product delivered to be AWWA B300-18 and ANSI/NSF 60 certified by stamp or type written statement – no handwritten notation will be accepted. Failure to provide clear identification that the product meets the AWWA and ANSI/NSF specifications will result in rejection of the load at no cost to the BACC Agency.

2. Disclaimer: The sodium hypochlorite must contain nothing that will adversely affect the public water supply, or be injurious to typical sodium hypochlorite feeding equipment.

3. Documentation: The successful Supplier must provide documentation as specified and required under Title 22, California Code of Regulations, Chapter 16, Article 7, §64590, prior to the start of the contract for the sodium hypochlorite.

4. General Specifications:

pH	pH12-13
Available Chlorine	12.5 wt% minimum
Available Chlorine	125 grams/Liter minimum
Total Free Alkali (as NaOH)	≤ 1.5% by weight
Insoluble Matter	≤ 0.15% by weight
Age of Product at Delivery	3 days (72 hours) maximum

Sodium Hypochlorite should be stored in a dark area where the temperature does not exceed 80° F (i.e. 30° C) prior to delivery. Preferably sodium hypochlorite should be stored at temperatures below 68° F (i.e. 20° C) prior to delivery.

5. Contaminant Concentration Limits:

Iron	<1.0 mg/L	Nickel (Ni ⁺²)	<0.1 mg/L
Copper](Cu ⁺²)	<0.1 mg/L	Cobalt	<0.1 mg/L
Chlorate	<2,380 mg/L		

6. Filtration Limitations: 100 mL of the sodium hypochlorite product supplied under this contract must pass through a 0.8 micron filter (Millipore, Type AA) under vacuum (25 inches Hg) within 30 minutes. Plant staff may conduct this test prior to accepting a delivery.

7. Certificate of Analysis:

a. A certificate of analysis prepared by a reputable outside laboratory or bidder's in-house laboratory if ISO certified, shall be submitted for each liquid sodium hypochlorite delivery. The certificate of analysis shall be based on a representative sample of the specific batch or lot of chemical currently being used to make deliveries. This report shall contain the following:

- Date of manufacture
- Date of delivery
- Shipper ID
- pH

- Specific gravity
- Density @ 60°F
- Insoluble Matter
- Available Chlorine: Percent by weight and pounds per gallon
- Total free alkali (expressed as NaOH): Percent by weight and pounds per gallon
- Excess NaOH: Percent by weight and pounds per gallon
- Excess Na₂CO₃: Percent by weight and pounds per gallon

No deliveries will be accepted by the BACC Agency unless accompanied by said certificate of analysis for the specific batch or lot of chemical delivered and the quality specifications listed in the bid contract documents are met.

- b. Charges for certificate of analysis shall be included in the bid price.
- c. Failure to supply the required certificate of analysis shall be sufficient cause to reject the load. A certificate of analysis that does not meet current version of the AWWA Standard B300-24 shall be cause to reject the load.

8. Liquid sodium hypochlorite supplied under this contract shall not cause excessive scaling of feed lines when combined with carriage water. Excessive scaling is defined as plugging of, or precipitation in, the chlorine solution lines that causes disruption of flow. The liquid sodium hypochlorite shall be free from contaminating substances which could interfere with normal operation of BACC Agency facilities by causing clogging or blockage of feed lines, valves, strainers, or measuring devices.

SECTION III – 1

**BAY AREA CHEMICAL CONSORTIUM
ESTIMATED ANNUAL QUANTITIES
FOR BID NO. 13-2025
SODIUM HYPOCHLORITE 12.5%**

BAY AREA CHEMICAL CONSORTIUM
ESTIMATED ANNUAL QUANTITIES FOR FISCAL YEAR 2025/2026
BID NO. 13-2025

	Unit of Measure	Estimated Annual Qty for Treatment Applications:	
		Water	Wastewater
Sodium Hypochlorite 12.5%	gal	2,736,318	8,144,100
<u>Central Valley</u>			
City of Stockton	gal	0	500,000
City of Turlock	gal	65,000	657,000
Oakwood Lake Water District	gal	6,000	0
Stanislaus Regional Water Authority	gal	291,818	0
		362,818	1,157,000
<u>East Bay</u>			
Alameda County Water District	gal	300,000	0
City of Hayward	gal	0	250,000
City of San Leandro	gal	0	215,000
Oro Loma Sanitary District	gal	0	280,000
Union Sanitary District	gal	0	900,000
		300,000	1,645,000
<u>Marin Sonoma</u>			
Central Marin Sanitation Agency	gal	0	240,000
City of Mill Valley - Sewerage Agency of Southern Marin	gal	0	50,000
County of Sonoma	gal	28,800	0
Las Gallinas Valley Sanitary District	gal	0	120,000
Marin Municipal Water District	gal	220,000	0
Napa Sanitation District	gal	0	325,000
North Marin Water District	gal	3,200	0
Sanitary District No. 5 of Marin County	gal	0	36,000
Sausalito Marin City Sanitary District	gal	0	60,000
		252,000	831,000

ESTIMATED ANNUAL QUANTITIES FOR FISCAL YEAR 2025/2026

BID NO. 13-2025

	Unit of Measure	Estimated Annual Qty for Treatment Applications:	
		Water	Wastewater
<u>North Bay</u>			
Central Contra Costa Sanitary District	gal	0	450,000
City of Antioch	gal	255,000	0
City of Martinez	gal	55,000	0
City of Pinole (Pinole/Hercules WPCP)	gal	0	115,000
City of Pittsburg	gal	60,000	0
Contra Costa Water District	gal	352,000	0
Delta Diablo Sanitation District	gal	0	310,000
Diablo Water District	gal	7,500	0
Ironhouse	gal	0	8,000
Pleasant Hill Recreation & Park District	gal	4,700	0
Rodeo Sanitary District	gal	0	50,000
West County Wastewater District	gal	0	221,100
		734,200	1,154,100
<u>Peninsula</u>			
City of South San Francisco	gal	0	165,000
City of Daly City/North San Mateo County Sanitation	gal	0	135,000
City of Millbrae	gal	0	65,000
City of San Mateo	gal	0	400,000
Sewer Authority Mid-Coastside	gal	0	120,000
		0	885,000
<u>Sacramento</u>			
Carmichael Water District	gal	45,000	0
City of Roseville	gal	241,000	145,000
City of Sacramento	gal	0	192,000
City of Yuba City	gal	10,000	0
El Dorado Irrigation District	gal	210,500	40,000
Nevada Irrigation District	gal	45,000	0
Rancho Murieta Community Services District	gal	0	50,000
Sacramento County Water Agency	gal	200,000	0
		751,500	427,000
<u>South Bay</u>			
City of Morgan Hill	gal	15,000	0
City of Sunnyvale	gal	0	320,000
City of Watsonville	gal	0	60,000
San Jose - Santa Clara Regional Wastewater Facility	gal	0	1,040,000
		15,000	1,420,000

ESTIMATED ANNUAL QUANTITIES FOR FISCAL YEAR 2025/2026

BID NO. 13-2025

	Unit of Measure	Estimated Annual Qty for Treatment Applications:		
		Water	Wastewater	
<u>Tri Valley</u>				
City of Livermore	gal	0	260,000	
Dublin San Ramon Services District	gal	5,800	365,000	
Zone 7 Water Agency	gal	315,000	0	
		320,800	625,000	
Sodium Hypochlorite 12.5% in 275 gal totes (OPTIONAL BID ITEM)		gal	0	2,750
<u>Central Valley</u>				
City of Stockton	gal	0	2,750	
		0	2,750	
Sodium Hypochlorite 5.25% (OPTIONAL BID ITEM)		gal	95,000	0
<u>Sacramento</u>				
Nevada Irrigation District	gal	95,000	0	
		95,000	0	

SECTION III – 2

**BAY AREA CHEMICAL CONSORTIUM
DELIVERY DETAILS
FOR BID NO. 13-2025
SODIUM HYPOCHLORITE 12.5%**

BAY AREA CHEMICAL CONSORTIUM**DELIVERY DETAILS****BID NO. 13-2025****SODIUM HYPOCHLORITE 12.5%**

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

<u>Per Region, Agency and Delivery Facility Name and Location</u>			<u>Frequency of Deliveries</u>	<u>Typical Delivery Size</u>
<u>CENTRAL VALLEY</u>				
City of Stockton				
Stockton Regional Wastewater Control Facility	2500 Navy Drive	Stockton	1-3x per week	5,000 gallons
Stockton Regional Wastewater Control Facility	2500 Navy Drive	Stockton	As needed	3 totes
City of Turlock				
NW Storage Tank	4706 Fulkerth	Turlock	weekly	250 gal
SE Storage Tank	401 Third St	Turlock	weekly	250 gal
SW Storage Tank	512 S Kilroy	Turlock	weekly	250 gal
Turlock Regional Water Quality Control Facility	901 S. Walnut Rd	Turlock	2-3x per week	5,000 gallons
Well 13	1261 E. Canal Dr	Turlock	weekly	160 gal
Well 15	1500 W Main St	Turlock	weekly	55 gal
Well 20	1200 Monte Vista Ave	Turlock	weekly	250 gal
Well 22	120 E Linwood Ave	Turlock	weekly	160 gal
Well 24	1900 N Qunicy Rd	Turlock	weekly	405 gal
Well 27	420 E Zeering	Turlock	weekly	250 gal
Well 28	2080 W Tuolumne Rd	Turlock	weekly	160 gal
Well 29	201 E Hawkeye Ave	Turlock	weekly	160 gal
Well 30	991 S Orange St	Turlock	weekly	160 gal
Well 31	3761 N Walnut Rd	Turlock	weekly	160 gal
Well 32	1623 Alex Way	Turlock	weekly	250 gal
Well 33	500 S Berkeley Ave	Turlock	weekly	250 gal
Well 34	600 Dianne Dr	Turlock	weekly	160 gal
Well 36	1317 N Soderquist Rd	Turlock	weekly	160 gal
Well 37	4700 Crowell Rd	Turlock	weekly	405 gal
Well 38	2919 W Christoffersen Parkway	Turlock	weekly	405 gal
Well 39	3900 Wellington Ln	Turlock	weekly	160 gal
Well 40	501 S Walnut	Turlock	weekly	160 gal

BAY AREA CHEMICAL CONSORTIUM**DELIVERY DETAILS****BID NO. 13-2025****SODIUM HYPOCHLORITE 12.5%**

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<u>Per Region, Agency and Delivery Facility Name and Location</u>			<u>Frequency of Deliveries</u>	<u>Typical Delivery Size</u>
Oakwood Lake Water District				
Wastewater Treatment Plant	4396 Aplicella Ct	Manteca	6x per year	500 gallons
Well 3	3757 W. Woodward Ave	Manteca	6x per year	250 gallons
Well 4	1656 Bella Lago Way	Manteca	6x per year	250 gallons
Stanislaus Regional Water Authority				
Stanislaus Regional Water Authority Water Treatment	1235 Aldrich Rd.	Hughson, CA	1-2 times per week	5,000 gallons
<u>EAST BAY</u>				
Alameda County Water District				
Blending Facility	1111 Mowry Ave	Fremont	1x per 2 weeks	4,000 gallons
Newark Desalination Facility	6833 Redeker Place	Newark	1x per 2 weeks	3,000 gallons
Water Treatment Plant No. 2	42436 Mission Blvd.	Fremont	1-2 times per week	4,000 gallons
City of Hayward				
Water Pollution Control Facility	3700 Enterprise Avenue	Hayward	3-4 times per month	5,000 gallons
City of San Leandro				
City of San Leandro Satellite Station	2.5 miles south of treatment plant	San Leandro	Every 1-2 Weeks During Dry Season	1,000 gallons
Wastewater Treatment Plant	3000 Davis St	San Leandro	Every 1-2 weeks	2,500-5000 gallons
Oro Loma Sanitary District				
Oro Loma Sanitary District	2600 Grant Avenue	San Lorenzo	Weekly	5,000 gallons
Union Sanitary District				
Union Sanitary District	5072 Benson Road	Union City	14-17 x per month	5,000 gallons
<u>MARIN SONOMA NAPA</u>				
Central Marin Sanitation Agency				
Central Marin Sanitation Agency	1301 Andersen Drive	San Rafael	1x per week; 3-4x per week in wet weather	5,000 gallons
City of Mill Valley - Sewerage Agency of Southern Marin				
Sewerage Agency of Southern Marin	450 Sycamore Ave	Mill Valley	six weeks	4,500 gallons

BAY AREA CHEMICAL CONSORTIUM**DELIVERY DETAILS****BID NO. 13-2025****SODIUM HYPOCHLORITE 12.5%**

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<u>Per Region, Agency and Delivery Facility Name and Location</u>			<u>Frequency of Deliveries</u>	<u>Typical Delivery Size</u>
County of Sonoma				
Airport/Larkfield/Wikiup Wastewater Treatment Plant	800 Aviation Blvd	Santa Rosa	Quarterly	800-1000 gals
Geyserville Wastewater Treatment Plant	155 Hamilton Lane	Geyserville	Quarterly	800-1000 gals
Spring Lake Park	393 Violetti Rd	Santa Rosa	1 per week	660-1000 gals
Las Gallinas Valley Sanitary District				
Las Gallinas Valley Sanitary District Wastewater Treatment Plant	300 Smith Ranch Road	San Rafael	2x per month average	5,000 gallons
Marin Municipal Water District				
MMWD Bon Tempe	Filter Plant Road	Fairfax	24x per year	not less than 2,000 gallons
MMWD Ignacio Pump Station	13 Hamilton Drive	Novato	11x per year	not less than 2,000 gallons
MMWD San Geronimo	330 San Geronimo Valley Road	Woodacre	34x per year	4,000 gallons
Napa Sanitation District				
Napa Sanitation District	1515 Soscol Ferry Road	Napa	2-3x per week	5,000 gallons
North Marin Water District				
North Marin Water District Deer Island Reclaim Waer Facility	Hwy 37 between Atherton Ave & Hwy 101	Novato	One delivery late spring	1,000 gallons
North Marin Water District Point Reyes Treatment Plant	End of Commodore Webster	Point Reyes Station	Approximately every 6 weeks	200 gallons
Sanitary District No. 5 of Marin County				
	2001 Paradise Drive	Tiburon	1x per month	3,000 gallons
Sausalito Marin City Sanitary District				
SMCSD Treatment Plant	1 East Road	Sausalito	1x 45 days	5,000 gallons, Tanker truck, Receiving hours 6am-1pm M-Th
<u>NORTH BAY</u>				
Central Contra Costa Sanitary District				
CCCSD	5019 Imhoff Place	Martinez	2-3x weekly	5,000 gallons
City of Antioch				
City of Antioch Water Treatment Plant	401 Putnam Street	Antioch	weekly	4,800 gallons

BAY AREA CHEMICAL CONSORTIUM**DELIVERY DETAILS****BID NO. 13-2025****SODIUM HYPOCHLORITE 12.5%**

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<u>Per Region, Agency and Delivery Facility Name and Location</u>			<u>Frequency of Deliveries</u>	<u>Typical Delivery Size</u>
City of Martinez				
City of Martinez Water Treatment Plant	3003 Pacheco Blvd	Martinez	2x per month	2,500 gallons
City of Pinole (Pinole/Hercules WPCP)				
City of Pinole	11 Tennent Avenue	Pinole	Every 2 weeks	5000 gallons
City of Pittsburg				
Pittsburg Water Treatment Plant	300 Olympia Drive	Pittsburg	Bi-monthly	Full truck load
Contra Costa Water District				
Bollman Water Treatment Plant	2015 Bates Ave	Concord	approx 40x per year between 7:00 am to 2:00 pm	4,500 - 5,000 gallons
Brentwood Water Treatment Plant	3760 Neroly Rd	Oakley	approx 20x per year	4,500 - 5,000 gallons
Pinehollow Pump Station	Grasswood Ct	Concord	1x per year	2 x 550 gallon tanks
Randall-Bold Water Treatment Plant	3760 Neroly Rd	Oakley	approx 2x during plant shutdowns Nov-Apr	330 gallons
Willow Pass Pump Station	1920 Clayton Way	Concord	Approx 2 times during plant shutdown Nov-Apr	330 gallons
Delta Diablo Sanitation District				
Delta Diablo	2500 Pittsburg-Antioch Hwy	Antioch	2 times per week	4,500 gallons
Diablo Water District				
Blending Facility	2201 Laurel Road	Oakley	Every 2.5 months	1,500 gallons
Chem Feed	3051 Ranch Rd	Bethel Island	Every 2 months	4 drums
Glen Park Well	401 Hill Ave	Oakley	Every 2 months	4 drums
South Park Well	4295 Summer Lakes Drive	Oakley	Every 2 months	2 drums
Ironhouse				
	450 Walnut Meadows Dr	Oakley	Once per quarter	2,000 gallons
Pleasant Hill Recreation & Park District				
Pleasant Hill Aquatic Park	147 Gregory Lane	Pleasant Hill	May-Sept: once/month Oct-April: once every 3 months	650 gallons
Rodeo Sanitary District				
Rodeo Sanitary District	800 San Pablo Avenue	Rodeo	2x month, rarely 3x a month depending on rain/flows, and/or projects.	2,150 gallons

**BAY AREA CHEMICAL CONSORTIUM
DELIVERY DETAILS
BID NO. 13-2025
SODIUM HYPOCHLORITE 12.5%**

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<u>Per Region, Agency and Delivery Facility Name and Location</u>			<u>Frequency of Deliveries</u>	<u>Typical Delivery Size</u>
West County Wastewater District				
Water County Wastewater District	2377 Garden Tract Road	Richmond	1x week	5,000 gallons
<u>PENINSULA</u>				
City of South San Francisco				
South San Francisco - San Bruno Water Quality Control Plant	195 Belle Aire Road	South San Francisco	One Load Every 2 Weeks	4,800 gallons
City of Daly City/North San Mateo County Sanitation District				
Daly City Wastewater Plant	153 Lake Merced Blvd	Daly City	Every 7-14 days	4,000-4,500 gallons
City of Millbrae				
Water Pollution Control Plant	400 E. Millbrae Ave	Millbrae	1 every 3-4 weeks	4,800 gallons
City of San Mateo				
City of San Mateo WQCP	2050 Detroit Drive	San Mateo, CA	every 3-4 weeks	Full load
Sewer Authority Mid-Coastside				
	1000 N. Cabrillo Hwy	Half Moon Bay	Monthly	5,000 gallons / month
Montara Pump Station	16th St and Cabrillo Hwy	Montara	Monthly	2,500 gallons / month
Princeton Pump Station	West Point at Stanford Ave	Half Moon Bay	Monthly	2,500 gallons / month
<u>SACRAMENTO</u>				
Carmichael Water District				
Bajamont Water Treatment Plant	3501 Bajamont Way	Carmichael	9 per year	Full load, approx 5,000 gallons

BAY AREA CHEMICAL CONSORTIUM

DELIVERY DETAILS

BID NO. 13-2025

SODIUM HYPOCHLORITE 12.5%

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

<u>Per Region, Agency and Delivery Facility Name and Location</u>			<u>Frequency of Deliveries</u>	<u>Typical Delivery Size</u>
City of Roseville				
Johnson Pool	100 D Street	Roseville 95661	Jan - Mar 1 time during 3 months Apr - May 1 time per month Jun - Sep 1 time per week Oct - Dec 1 time per month	400 - 500 gallons
Mike Shellito Indoor Pool (MSIP)	10210 Fairway Dr	Roseville 95678	Jan - Mar 1 time per month Apr - May 2 times per month Jun - Sep 2 times per month Oct - Dec 1 time per month	400 -500 gallons
Pleasant Grove Wastewater Treatment Plant	5051 Westpark Dr	Roseville 95747	One every 10 days June, July, August and September. Once a month the rest of the year	~ 5,000 gallons
Roseville Aquatic Complex (RAC)	3051 Woodcreek Oaks Blvd	Roseville 95747	Jan - Mar. 1 time per month Apr -May. 1 time per week Jun - Sep. 1 time per week Oct - Dec 1 time per month	800-1,500 gallons
Roseville Energy Park	5120 Phillip Rd	Roseville 95747	Every 1-2 Months	1200 gal Order only half-sized load
Roseville Water Treatment Plant	9595 Barton Rd	Granite Bay 95746	40 per year 2 per week in summer 1-2 per month in winter	5,000 gallons
Well 12	1745 Blue Oaks Blvd	Roseville 95747	Monthly	300 gallons
Well 18	4030 Solarie Drive	Roseville 95747	Monthly	300 gallons
Well 5	1750 Chelsea Wy	Roseville 95661	Monthly	300 gallons
Well 6	1490 Northpark Dr.	Roseville 95747	Monhtly	300 gallons
Well 7	8301 Woodcreek Oaks Blvd	Roseville 95747	Monthly	300 gallons
Well 8	2100 Hayden Parkway	Roseville 95747	Monthly	300 gallons
Well 9	2275 Westbrook Boulevard	Roseville 95747	Monthy	300 gallons
Westside Tank	4501 Westpark Drive	Roseville 95747	Monthly	300 gallons

BAY AREA CHEMICAL CONSORTIUM**DELIVERY DETAILS****BID NO. 13-2025****SODIUM HYPOCHLORITE 12.5%**

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

<u>Per Region, Agency and Delivery Facility Name and Location</u>			<u>Frequency of Deliveries</u>	<u>Typical Delivery Size</u>
City of Sacramento				
Combined Wastewater Treatment Plant	1391 35th Avenue	Sacramento	Rain dependent - can be multiple orders each week	4,800 gallons
Pioneer Reservoir	2100 Front Street (cross street is V Street)	Sacramento	Rain dependent - can be multiple orders each week	4,800 gallons
City of Yuba City				
Gauche Park City Swimming Pool	421 C Street	Yuba City	Weekly during summer; biweekly in winter	200-250 gals in summer; 125-200 gals in winter
El Dorado Irrigation District				
Deer Creek Wastewater Treatment Plant	1565 Deer Creek Rd	Cameron Park, CA 95682	Quarterly	5,000 gallons
EID Reservoir 1 Water	5575 Gilmore Rd	Pollock Pines, CA 95726	Quarterly	5,000 gallons
EID Reservoir A Water	5560 Sly Park Rd	Pollock Pines, CA 95726	Monthly	5,000 gallons
El Dorado Hills Wastewater Treatment Plant	4625 Latrobe Rd	El Dorado Hills, CA 95762	Bimonthly	5,000 gallons
El Dorado Hills Water Plant	1835 Francisco Dr	El Dorado Hills, CA 95762	Monthly	5,000 gallons
Nevada Irrigation District				
E. George Treatment Plant	11258 Banner Lava Cap Rd	Nevada City	5 loads per year 12.5%	5,000 gallons
Lake of the Pines (LOP) Treatment Plant	12812 Torrey Pines Dr	Auburn	4 loads per year 5.25%, 1 load per year 12.5%	5,000 gallons 5.25% and 5,000 gallons of 12.5%
Lake Wildwood Water Treatment Plant	14149 Beitler Road	Penn Valley	4 loads per year 5.25%, 1 load per year 12.5%. Driver must contact plant for escort.	5,000 gallons 5.25% and 5,000 gallons of 12.5%
Loma Rica Water Treatment Plant	13786 Loma Rica Dr	Grass Valley	5 loads per year 5.25%, 1 load per year 12.5%. Driver must contact plant for escort.	5,000 gallons 5.25% and 5,000 gallons of 12.5%
North Auburn Treatment Plant	12278 Locksley Lane	Auburn	6 loads per year 5.25%, 1 load per year 12.5%	5,000 gallons 5.25% and 5,000 gallons of 12.5%
Rancho Murieta Community Services District				
Wastewater Reclamation Plant	15160 Jackson Road	Rancho Murieta	2 times a month during the months of April - October	4,500 gallons

BAY AREA CHEMICAL CONSORTIUM**DELIVERY DETAILS****BID NO. 13-2025****SODIUM HYPOCHLORITE 12.5%**

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

<u>Per Region, Agency and Delivery Facility Name and Location</u>			<u>Frequency of Deliveries</u>	<u>Typical Delivery Size</u>
Sacramento County Water Agency				
Big Horn Water Treatment Plant	8280 Civic Center Dr	Elk Grove	Average is once per month	3,000 gallons
Dwight Road Water Treatment Plant	3500 Dwight Rd	Elk Grove	Average is once per month	1,2000 gallons
East Elk Grove Water Treatment Plant	9960 Waterman Rd	Elk Grove	Average is once per month	3,000 gallons
Lakeside Water Treatment Plant	2280 Maritime Dr	El kGrove	Average is once per month	3,000 gallons
Poppy Ridge Water Treatment Plant	7510 Poppy Ridge	Elk Grove	Average is once per month	3,000 gallons
Vineyard Surface Water Treatment Plant	10151 Florin Road	Sacramento	Once or twice a week.	Full Tanker Delivery.
<u>SOUTH BAY</u>				
City of Morgan Hill				
Boys Ranch #2 Well	1000 Burnett Ave	Morgan Hill	1-2x per month	100 - 300 gallons
Boys Ranch #3 Well	1002 Burnett Ave	Morgan Hill	1-2x per month	100 - 300 gallons
Butterfield Well	17935 Calle Hermosa	Morgan Hill	1-2x per month	100 - 300 gallons
Diana #1 Well	200 Diana Ave	Morgan Hill	1-2x per month	100 - 300 gallons
Diana #2 Well	1420 Diana Ave	Morgan Hill	1-2x per month	100 - 300 gallons
Diana #3 Well	1000 Diana Ave	Morgan Hill	1-2x per month	100 - 300 gallons
Diana #4 Well	505 Diana Ave	Morgan Hill	1-2x per month	100 - 300 gallons
Dunne #1 & 2 Wells	100 E. Dunne Ave	Morgan Hill	1-2x per month	100 - 300 gallons
Jackson Well	2150 E. Dunne Ave	Morgan Hill	1-2x per month	100 - 300 gallons
Main #1 and #2 Well	470 E. Main Ave	Morgan Hill	1-2x per month	100 - 300 gallons
Main #3 Well	615 E. Main Ave	Morgan Hill	1-2x per month	100-300 gallons
Nordstrom Well	17002 Murphy Ave	Morgan Hill	1-2x per month	100 - 300 gallons
San Pedro Well	1240 San Pedro Ave	Morgan Hill	1-2x per month	100 - 300 gallons
City of Sunnyvale				
City of Sunnyvale Wastewater Treatment Plant	1444 Borregas Avenue	Sunnyvale	~5 times per month	5,000 gallons
City of Watsonville				
Watsonville WWTF	500 Clearwater Lane	Watsonville	1x per month	Full truck load
San Jose - Santa Clara Regional Wastewater Facility				
San Jose Regional Wastewater Facility	700 Los Esteros Rd	San Jose	4 loads per week	5,000 gallons (full tanker)

**BAY AREA CHEMICAL CONSORTIUM
DELIVERY DETAILS
BID NO. 13-2025
SODIUM HYPOCHLORITE 12.5%**

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

<u>Per Region, Agency and Delivery Facility Name and Location</u>			<u>Frequency of Deliveries</u>	<u>Typical Delivery Size</u>
<u>TRI VALLEY</u>				
City of Livermore				
	101 West Jack London Blvd	Livermore	Weekly	5,000 gallons
Dublin San Ramon Services District				
FOD Pump Station 10A	10 Barnett Boulevard	Dublin	approx 14x per year	360 gals split between 3 sites 120 gal each
FOD Pump Station 300B	3441 Fallon Road	Dublin	approx 14x per year	360 gals split between 3 sites 120 gal each
FOD Reservoir 1A	8218 Rhoda Ave	Dublin	14x per year	360 gallons (split between 3 sites - 120 gals each)
Regional Wastewater Treatment Facility	7399 Johnson Drive	Pleasanton	70x per year (about 6x per month)	4,400 gallons
Water Recycling Plant (DERWA)	7399 Johnson Drive	Pleasanton	8x per year during summer	4,400 gallons
Zone 7 Water Agency				
Del Valle Water Treatment Plant	901 East Vineyard Ave	Livermore	3 per month	5000 gallons
MGDP (M4)	5215 Stoneridge Dr	Pleasanton	6 per year	2,500 gallons
Patterson Pass Water Treatment Plant	8750 Patterson Pass Road	Livermore	2 per month	5000 gallons

SECTION III – 3

**BAY AREA CHEMICAL CONSORTIUM
PARTICIPATING MEMBER AGENCY CONTACT LIST
FOR BID NO. 13-2025
SODIUM HYPOCHLORITE 12.5%**

**BAY AREA CHEMICAL CONSORTIUM
PARTICIPATING MEMBER AGENCY CONTACT LIST
BID NO. 13-2025
SODIUM HYPOCHLORITE**

Central Valley

CITY OF STOCKTON

Municipal Utilities Department 2500 Navy Drive Stockton, CA 95206

Kathryn Garcia	Program Manager III - Wastewater	Kathryn.Garcia@stocktonca.gov	209-937-8232
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CITY OF TURLOCK

156 S Broadway, #270 Turlock, CA 95380

David Huff	dhuff@turlock.ca.us	
Carlos Guerrero	Utilities Manager	cguerrero@turlock.ca.us
Nicole Mann	nmann@turlock.ca.us	
Raquel Brasil	rbrasil@turlock.ca.us	

OAKWOOD LAKE WATER DISTRICT

PO Box 77980 Stockton, CA 95267

Bert Michalczyk	District Engineer	bert.michalczyk@gmail.com	209-239-2481
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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

**BAY AREA CHEMICAL CONSORTIUM
PARTICIPATING MEMBER AGENCY CONTACT LIST
BID NO. 13-2025
SODIUM HYPOCHLORITE**

CITY OF HAYWARD

Water Pollution Control Facility 3700 Enterprise Avenue Hayward, CA 94545

David Donovan WPCF Manager	david.donovan@hayward-ca.gov	510-293-5099
Alex Ameri Public Works Director	alex.ameri@hayward-ca.gov	
Rita Perez Purchasing and Accounts Payable - Acting Manager	rita.perez@hayward-ca.gov	510-583-4802
Mark Orlandi Operations Supervisor	mark.orlandi@hayward-ca.gov	510-293-5212
Diane Vargas WPCF Secretary	diane.vargas@hayward-ca.gov	

CITY OF SAN LEANDRO

Water Pollution Control Plant 3000 Davis Street San Leandro, CA 94577

Sally Perez Purchasing Technician	sperez@sanleandro.org	510-577-3472
Hayes Morehouse Water Pollution Control Manager	hmorehouse@sanleandro.org	510-577-3437
Ramya Sankar Management Analyst	RSankar@sanleandro.org	510-577-3337

ORO LOMA SANITARY DISTRICT

2655 Grant Avenue San Lorenzo, CA 94580-1838

Jimmy Dang GM	jdang@oroloma.org
Joe Carlini	jcarlini@oroloma.org

UNION SANITARY DISTRICT

5072 Benson Road Union City, CA 94587-2508

Theresa Vasquez Buyer	theresav@unionsanitary.ca.gov	510-477-7524
Skip Calvo Purchasing Agent	skipc@unionsanitary.ca.gov	510-477-7526
Armando Lopez Treatment and Disposal Services Manager	Armandol@unionsanitary.ca.gov	510-477-7517

Marin Sonoma Napa

CENTRAL MARIN SANITATION AGENCY

1301 Andersen Drive San Rafael, CA 94901

Jason Dow	Jdow@cmsa.us	(415) 459-1455
Jacky Wong	jwong@cmsa.us	(415) 459-1455
Peter Kistenmacher Technical Services Manager	pkistenmacher@cmsa.us	(415) 459-1455

**BAY AREA CHEMICAL CONSORTIUM
PARTICIPATING MEMBER AGENCY CONTACT LIST
BID NO. 13-2025
SODIUM HYPOCHLORITE**

CITY OF MILL VALLEY - SEWERAGE AGENCY OF SOUTHERN MARIN

26 Corte Madera Avenue Mill Valley, CA 94941

Mark Neumann Assistant WWT Manager	mneumann@cityofmillvalley.org	(415) 384-4708
Mark Grushayev WWT Manager	mgrushayev@cityofmillvalley.org	415-388-2402
Brian Exberger Chief Treatment Plant Operator	bexberger@cityofmillvalley.org	(415) 384-4840

COUNTY OF SONOMA

400 Aviation Blvd, Suite 100 Santa Rosa, CA 95403

Brenda Haas General Services - Purchasing Division	brenda.haas@sonoma-county.org	707-565-1791
Garrett Heinz Buyer	Garrett.Heinz@sonoma-county.org	707 565-1787

LAS GALLINAS VALLEY SANITARY DISTRICT

300 Smith Ranch Road San Rafael, CA 94603

Mel Liebmann Plant Manager	mliebmann@lgvdsd.org	915-472-1734
Don Moore Plant Operations Supervisor	dmoore@lgvdsd.org	415-472-1734

MARIN MUNICIPAL WATER DISTRICT

220 Nellen Avenue Corte Madera, CA 94925

Jim Kenney Superintendent of Operations, Water Treatment	jkenney@marinwater.org	415-945-1501
Lucy Croy Water Quality Manager	lcroy@marinwater.org	415-945-1590
Danelle Graham Senior Buyer	dgraham@marinwater.org	415-945-1402

NAPA SANITATION DISTRICT

1515 Soscol Ferry Road Napa, CA 94558

Gabe Snook Operations Supervisor	gsnook@napasan.com	707-312-1733
Christopher Mosier Operator III	cmosier@napasan.com	707- 312-1899
Cristopher Henriquez Operator II	chenriqu@napasan.com	707-312-1595
Andrew Damron, PE General Manager	adamron@napasan.com	707- 258-6007

NORTH MARIN WATER DISTRICT

999 Rush Creek Place Novato, CA 94945

Jeff Corda	jcorda@nmwd.com	415-761-8965
Robert Clark Operations/Maintenance Superintendent	rclark@nmwd.com	415-761-8931
Brad Stompe Operations Supervisor	bstompe@nmwd.com	

**BAY AREA CHEMICAL CONSORTIUM
PARTICIPATING MEMBER AGENCY CONTACT LIST
BID NO. 13-2025
SODIUM HYPOCHLORITE**

SANITARY DISTRICT NO. 5 OF MARIN COUNTY

2001 Paradise Drive Tiburon, CA 94920

Kacey Cottrell Operations Superintendent	rcottrell@sani5.org	415-435-1501 Ext. 109
Tony Rubio District Manager	trubio@sani5.org	415-435-1501

SAUSALITO MARIN CITY SANITARY DISTRICT

1 East Road Sausalito, CA 94965

Cathy Bondanza	cathy@smcsd.net
Kevin Beneda	Kevinb@smcsd.net
Vince Pasquini	vince@smcsd.net
Jeffery Kingston	jeffrey@smcsd.net

North Bay

CENTRAL CONTRA COSTA SANITARY DISTRICT

5019 Imhoff Place Martinez, CA 94553-4392

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

CITY OF ANTIOCH

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

Benjamin Woodland Water Treatment Plant Supervisor	BWoodland@antiochca.gov	(925) 779-7029
Marcus Woodland	Mwoodland@antiochca.gov	
Chris Molina Senior Water Treatment Plant Operator	cmolina@antiochca.gov	

CITY OF MARTINEZ

525 Henrietta Street Martinez, CA 94553

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

**BAY AREA CHEMICAL CONSORTIUM
PARTICIPATING MEMBER AGENCY CONTACT LIST
BID NO. 13-2025
SODIUM HYPOCHLORITE**

CITY OF PINOLE (PINOLE/HERCULES WPCP)

11 Tennet Avenue Pinole, CA 94564

Mike Howe Operations Supervisor	mhowe@ci.pinoles.ca.us	(510) 724-9013
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Josh Binder Plant Manager	jbinder@ci.pinoles.ca.us	(510) 724 - 8964
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CITY OF PITTSBURG

Water Treatment Plant 300 Olympia Drive Pittsburg, CA 94565

Jason Moser Water Treatment Plant Superintendent	jmoser@pittsburgca.gov	925-252-6997
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CONTRA COSTA WATER DISTRICT

1331 Concord Ave Concord, CA 94520-4907

Nicole Quesada Administrative Analyst	nquesada@ccwater.com	925-625-6602
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John Parsons Water Operations Superintendent	jparsons@ccwater.com	925-625-6603
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Herman Williams Director of Finance	hwilliams@ccwater.com	
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Kim Waddy Buyer	kwaddy@ccwater.com	925-688-8012
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DELTA DIABLO SANITATION DISTRICT

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

Joaquin Gonzalez Operations Manager	joaquin@deltadiablo.org	925-756-1971
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Anika Lyons Finance Manager	anikal@deltadiablo.org	925-756-1924
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DIABLO WATER DISTRICT

87 Carol Lane Oakley, CA 94561-0127

Nacho Mendoza Manager of Water Operations	nmendoza@diablowater.org	925-625-2112
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IRONHOUSE

450 Walnut Meadows Drive Oakley, CA 94561

Chris Christean Plant Manager	christean@isd.us.com	925-809-3033
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PLEASANT HILL RECREATION & PARK DISTRICT

147 Gregory Lane Pleasant Hill, CA 94523

Korey Riley Aquatics Program Manager	Kriley@PleasantHillRec.com	925-682-0896
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**BAY AREA CHEMICAL CONSORTIUM
PARTICIPATING MEMBER AGENCY CONTACT LIST
BID NO. 13-2025
SODIUM HYPOCHLORITE**

RODEO SANITARY DISTRICT

800 San Pablo Avenue Rodeo, CA 94572

Nancy Lefebvre	lefebvre@rodeosan.org	
Steven S. Beall District Manager	bealls@rodeosan.org	510-799-2970 x100
Jeff Greer	greerj@rodeosan.org	

WEST COUNTY WASTEWATER DISTRICT

2910 Hilltop Drive Richmond, CA 94806

Andre Welles	awelles@wcwd.org	510 812-8275
Mark Harris	mharris@wcwd.org	510 871-1325
Joseph Majarucon Operations Manager	jmajarucon@wcwd.org	
Dalvin Hayes Secretary	Dhayes@wcwd.org	510 237-6603
Aaron Winer Director of Water Quality & Resource Recovery	AWiner@wcwd.org	510 812-9586

Peninsula

CITY OF SOUTH SAN FRANCISCO

San Bruno Water Quality Control Plant 195 Belle Air Road South San Francisco, CA 94080

Kunning Zhu Laboratory Supervisor	Kunning.zhu@ssf.net	650-829-3854
Brian Schumacker Plant Superintendent	Brian.Schumacker@ssf.net	650-829-3844

CITY OF DALY CITY/NORTH SAN MATEO COUNTY SANITATION DISTRICT

153 Lake Merced Blvd Daly City, CA 94015

Brandon Wardle Senior Operator	bwardle@dalycity.org	650-991-8200
Gregory Krauss	gkrauss@dalycity.org	

CITY OF MILLBRAE

Water Pollution Control Plant 400 E Millbrae Ave Millbrae, CA 94030

Craig Centis Deputy Director of Public Works	ccentis@ci.millbrae.ca.us	650-259-2376
Harry Kwong Chief Operator	hkwong@ci.millbrae.ca.us	650-346-7658

**BAY AREA CHEMICAL CONSORTIUM
PARTICIPATING MEMBER AGENCY CONTACT LIST
BID NO. 13-2025
SODIUM HYPOCHLORITE**

CITY OF SAN MATEO

City of San Mateo WWTP 2050 Detroit Drive San Mateo, CA 94404

Alonso Barahona Management Analyst II	abarahona@cityofsanmateo.org	650-522-7334
Xiongbing Liang Laboratory Supervisor	xliang@cityofsanmateo.org	650-522-7380
Robert Knox Operations Superintendent /Chief Plant Operator	rknox@cityofsanmateo.org	650-522-7380
Rob Learmonth Planet Manager	rlearmonth@cityofsanmateo.org	

SEWER AUTHORITY MID-COASTSIDE

1000 N. Cabrillo Highway Half Moon Bay, CA 94019

Kishen Prathivadi General Manager	Kishen@samcleanswater.org	650-726-0124
George Evans Finance Officer	gevans@samcleanswater.org	650-726-0124

Sacramento

CARMICHAEL WATER DISTRICT

7837 Fair Oaks Blvd. Carmichael, CA 95608

David Biagi	davidb@carmichaelwd.org	916-679-0457
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CITY OF ROSEVILLE

311 Vernon Street Roseville, CA 95678

Rochelle Gamette Buyer I	rngamette@roseville.ca.us	916-746-1105
Shannon Wiest Purchasing and Warehouse Manager	swiest@roseville.ca.us	916-746-1112
Becky Philipp Purchasing Supervisor	bphilipp@roseville.ca.us	916-746-1110

CITY OF SACRAMENTO

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

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

**BAY AREA CHEMICAL CONSORTIUM
PARTICIPATING MEMBER AGENCY CONTACT LIST
BID NO. 13-2025
SODIUM HYPOCHLORITE**

CITY OF YUBA CITY

Public Works Department 701 Northgate Drive Yuba City, CA 95991

Jennifer Troche	Utilities Administrative Assistant	utilitiesadmin@yubacity.net	530-822-7571
Christian Elder	Water Treatment Plant Supervisor	celder@yubacity.net	530-822-4759
Finance Department	Purchasing Team	purchasing@yubacity.net	530-822-4618
Ethan Gutierrez	Accounting Manager	egutierrez@yubacity.net	530-822-5196
Veronica Kemmerly	Accountant I	vkemmerly@yubacity.net	530-822-4646
Mike Finnigan	Wastewater Treatment Facility Supervisor	mfinniga@yubacity.net	530-822-7696
Scarlett Harris	Administrative Analyst III	sharris@yubacity.net	530-822-5366
Lance Andes	Water Treatment Chief Plant Operator	landes@yubacity.net	530-822-4637
David Newgard	Wastewater Treatment Facility Chief Plant Operator	dnewgard@yubacity.net	530-822-7698

EL DORADO IRRIGATION DISTRICT

2890 Mosquito Road Placerville, CA 95667

Ryan Deakyne	Senior Buyer	rdeakyne@eid.org	530-642-4405
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NEVADA IRRIGATION DISTRICT

1036 W. Main Street Grass Valley, CA 95945

Joan Tortorici	Purchasing Supervisor	tortorici@nidwater.com	530-273-6185
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 3 for Customer Service.

RANCHO MURIETA COMMUNITY SERVICES DISTRICT

15160 Jackson Road Rancho Murieta, CA 95683

Travis Bohannon	tbohannon@rmcsd.com
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**BAY AREA CHEMICAL CONSORTIUM
PARTICIPATING MEMBER AGENCY CONTACT LIST
BID NO. 13-2025
SODIUM HYPOCHLORITE**

SACRAMENTO COUNTY WATER AGENCY

Vineyard Surface Water Treatment Plant 10151 Florin Road Sacramento, CA 95829			
Shawn Barnes	Water Treatment Operations Supervisor	barness@saccounty.gov	916-508-0858
Tom Pasterski	Water System Superintendent	pasterskit@saccounty.gov	916-876-6430
Aaron Robertson	Water System Manager	robertsona@saccounty.gov	916-875-0746
Jeff Gross		grossj@saccounty.gov	

South Bay

CITY OF MORGAN HILL

100 Edes Court Morgan Hill, CA 95037-5301			
Inga Alonzo	Public Utilities Management Analyst	inga.alonzo@morganhill.ca.gov	408-310-4182

CITY OF SUNNYVALE

Water Pollution Control Plant 1444 Borregas Avenue Sunnyvale, CA 94088-3707			
Julie Callaghan	Admin Aide	jcallaghan@sunnyvale.ca.gov	408-730-7719
Rohan Wikramanayake	Division Manager	RWikramanayake@sunnyvale.ca.gov	408-730-7788
Lisa Vo	Purchasing	lvo@sunnyvale.ca.gov	408-730- 7608

CITY OF WATSONVILLE

500 Clearwater Lane Watsonville, CA 95076			
Beau Kayser	Water Division Manager	beau.kayser@watsonville.gov	831-768-3193
Ruben Tellez	Interm Wastewater Division Manager	ruben.tellez@watsonville.gov	
Alfonso Castaneda	Operations Supervisor	alfonso.castaneda@watsonville.gov	

SAN JOSE - SANTA CLARA REGIONAL WASTEWATER FACILITY

700 Los Esteros Road San Jose, CA 95134			
Satya Nand		satya.nand@sanjoseca.gov	408-635-2054
Mark Nicholl		Mark.Nicholl@sanjoseca.gov	408-635-6635
Alex Rodriguez	WW Operations Superintendent	alex.rodriguez@sanjoseca.gov	(408) 635-2087

Tri Valley

CITY OF LIVERMORE

Water Resources/Public Works Department 101 West Jack London Blvd. Livermore, CA 94551			
Andrew Hall	Operations Manager	athall@LivermoreCA.gov	925-960-8178

**BAY AREA CHEMICAL CONSORTIUM
PARTICIPATING MEMBER AGENCY CONTACT LIST
BID NO. 13-2025
SODIUM HYPOCHLORITE**

DUBLIN SAN RAMON SERVICES DISTRICT

Regional Wastewater Treatment Facility 7399 Johnson Drive	Pleasanton, CA 94588	
Diane Griffin	Operations Compliance Manager	griffin@dsrsd.com 925-875-2324
Clint Byrum	Water/Wastewater Systems Superintendent	byrum@dsrsd.com 925-875-2367
Tim Lewis	WWTP Operations Superintendent	tlewis@dsrsd.com 925-875-2300

ZONE 7 WATER AGENCY

100 North Canyons Parkway	Livermore, CA 94551	
Karen Bartels	Buyer II	kbartels@zone7water.com 925-454-5039
Zeljka Bozic	Buyer I	zbozic@zone7water.com 925 454 5029

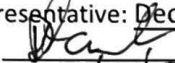
SECTION IV

**BAY AREA CHEMICAL CONSORTIUM
BID CONTRACT DOCUMENTS
FOR BID NO. 13-2025
SODIUM HYPOCHLORITE 12.5%**

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

**BAY AREA CHEMICAL CONSORTIUM
STANDARD AGREEMENT, PAGE 1 OF 2
BID NO. 13-2025
SUPPLY AND DELIVERY OF SODIUM HYPOCHLORITE 12.5%**

I hereby agree to furnish SODIUM HYPOCHLORITE 12.5% identified in the attached bid forms, as solicited by the Bay Area Chemical Consortium (BACC), to one or more of the participating BACC Agencies.

Company: Pioneer Americas LLC is a wholly subsidiary of Olin Corporation
Address: 16290 Katy Freeway, Suite 600
City, State, ZIP: Houston, TX 77094
Phone: (423) 336-4421
Email: OWCMarketing_BidTeam@olin.com
Authorized Representative: Deon Carter, VP and President Chlor/Alkali Division
Signature: 
Date: 02/18/2025
WE ACKNOWLEDGE RECEIVING ADDENDUM/ADDENDA NUMBER _____ THROUGH _____.

SPECIFIC DEVIATIONS:

☒ This box must be checked if bidder has any proposed specific deviations. Per Section 2.12 Proposed Deviations from the Specifications by the Bidder, the absence of a proposed change 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.

See Attached for Specific Deviations

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

Olin operates additional facilities in Santa Fe Springs, CA and Henderson, NV that can be leveraged for emergency supply.

2025 BACC Chemical Bid Specific Deviation

BACC Bid 13-2025 – Sodium Hypochlorite

Olin is the largest producer/supplier of bulk sodium hypochlorite to municipal water treatment in North America and the state of California. We have successfully serviced the requirements of most of the BACC membership at one time or another in recent years. Olin looks forward to negotiating with individual BACC members to develop mutually agreeable terms and conditions for sale of sodium hypochlorite. We are committed to try to comply with the inclusive intent of this bid and shall continue to make all good faith efforts to mutually work individually with members of the BACC on servicing their unique requirements if recommended for award of their business. Since there are some individual requirements that are undisclosed or we may be unfamiliar with, if recommended for bid award, we will need to review and assess these case by case with individual members as advised in the bid. These may possibly include such things as follow:

- Unattended deliveries at unmanned sites to be deemed safe and mutually agreed upon case by case.
- Delivery requirements at new or unfamiliar remote sites requiring specialized metering or non-standard bulk delivery equipment requirements to be assessed and agreed upon case by case. Some member sites may not be serviceable by Olin after sites are reviewed and Olin reserves the right to make that determination.
- Product samples, when required for shipments, would need to be mutually agreed upon so as to provide a safe and secure process for samples to be supplied to protect drivers, site attendants and the environment.
- New delivery sites must successfully complete and meet Olin's minimum safety and security requirements site questionnaire prior to first scheduled deliveries.

In addition, we would request consideration of the following issues:

- We would like to see the product specifications consistently align with meeting limits in current published NSF STD 60 and AWWA B-300-18 standards for 12.5 weight % sodium hypochlorite (including: pH of 12-14 to better align with free alkaline limits as noted in the bid; 12.5% AvCl minimum be revised to 11.9% AvCl (which equates to 12.5% NaOCl wt%); AvCl in gpl be removed or revised to match desired AvCl wt% and NaOCl wt%). Product is produced in a continuous manufacturing process to these quality certifications and making product to individual specifications by individual customer is not reasonably possible for standard operations. Our product specification and ISO lab analysis is included in the bid.
- We would request "insoluble matter" be removed from individual COA's reporting as this component is already managed through the "Filtration Limitations" testing noted on page 21. It cannot be analyzed and reported on the COA for every individual load without interrupting

processes and timely delivery of orders. We have SPC data on regular sampling available upon request.

- Acceptance of orders delivered with a min. 72 hours ARO as a standard and 24 hours in emergencies.
- Acceptance of Olin corporate insurance coverages.
 - Note: Olin does not maintain a separate pollution liability policy. The General Liability Policy contains coverage for Time Element/Sudden and Accidental Pollution Liability, and the Auto Liability Policy includes the Pollution Liability Broadened Coverage for Covered Autos (CA 9948).
 - Insurance is Primary and Non-Contributory for Additional Insured's (applies to General Liability & Auto Liability only).
- We request the right by written notice to review and recover increases in the cost of products to Seller due to significant unanticipated increases in prevailing market energy costs effecting the costs of raw materials or finished product. Seller to provide reasonable explanations and independent public documentation for any requested price adjustments.
- **Full Truck-load Bulk Shipments** – Bid pricing submitted is for bulk full truck-load, one-stop deliveries. Due to significant cost increases in transportation and fuel costs, additional adjustments for carrier charges for less than truck-load or split shipments may apply individually case by case as follows:
 - **Less than full truck-load shipments** – Short shipments < 2,000 gals. may incur a \$500 freight adder per shipment to the bulk delivered unit price upon invoice.
 - **Mini-bulk Shipments** – Shipments <1,500 gals. may incur a \$800 freight adder per shipment to the delivered unit price upon invoice.
 - Shipments of < 700 gals. may not physically be safely serviceable by Olin's standard bulk tanker equipment. We can review any case by case. Olin reserves rights for final approval of very small aquatic and remote rural sites like Pt Reyes Station, Oakwood Lake Water well sites , City of Morgan Hill well sites, City of Stockton well sites, City of Turlock well sites, Roseville well sites, City of Morgan Hill well sites, DVC power plant, Contra Costa Water District pump stations, Diablo Water District, Pleasant Hill Aquatic, Yuba City swimming pool, Town of Discovery Bay and Dublin San Ramon Services District Reservoir 1A, 10A and 300B pumpstations. These type deliveries typically require specialized delivery equipment and we cannot safely service and meet min. Olin site safety requirements. If, at Olin's sole discretion, it's determined they can be safely serviceable with standard bulk delivery equipment, there will be a \$2,200/shipment freight surcharge plus stop charges added to base unit pricing per shipment for these specific requirements to cover the high-cost labor-intensive service required.



1186 Lower River Road, Charleston, TN 37310

Phone: 423-336-4421 / Fax : 423-336-4682

Internet Address: www.olinchloralkali.com

- Split shipments involving more than one unloading stop per individual shipment may incur multi-stop carrier charges of \$75/unloading stop after one free unloading stop per shipment.

STANDARD AGREEMENT, PAGE 2 OF 2

BIDDER INFORMATION

1. Legal Name of Bidder:
Pioneer Americas LLC is a wholly subsidiary of Olin Corporation
2. Bidder's Street Address:
16290 Katy Freeway, Suite 600, Houston, TX 77094
3. Mailing Address:
16290 Katy Freeway, Suite 600, Houston, TX 77094
4. Business Telephone: (423) 336-4421 Fax Number: (423) 336-4682
5. Type of Supplier:
☐ Sole Proprietor ☐ Partnership ☒ Corporation ☐ LLC
If Corporation, indicate State where incorporated: Virginia
6. Business License Number issued by the City where the Supplier's principal place of business is located.
Number: 12082L Issuing City: Pittsburg, CA
7. Supplier Federal Tax Identification Number: 06-1420850
8. Emergency Contact: Name: Chemtrec
Phone Number: 800-424-9300
9. Order Contact: Name: Olin Customer Service
Address: 16290 Katy Freeway Ste. 600, Houston, TX 77094
Phone Number: (833)370-3737 Fax Number: (866)449-8036
Email: CAPVCustomerSvcWest@olin.com
10. References:

<u>Company/Agency Name</u>	<u>Contact Name</u>	<u>Phone Number</u>
1) <u>City of Roseville</u>	<u>Becky Philipp, Purchasing</u>	<u>(916)746-1110</u>
2) <u>City of Santa Rosa</u>	<u>Jennifer Myles, Sr. Buyer</u>	<u>(707)543-3709</u>
3) <u>Modesto Irrigation District</u>	<u>Daryn Weese, Buyer</u>	<u>(209)526-7685</u>
11. Chemical Manufacturer's name and address (if different from Bidder):
K2 Pure Solutions
950 Loveridge Rd.
Pittsburg, CA 94565

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

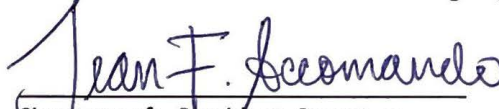
State of Texas)
) ss.
County of Harris)

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

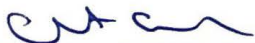
Sr. Marketing Manager Bleach of Pioneer Americas LLC is a wholly subsidiary of Olin Corporation the party making the
(Title of Representative) (Legal Name of Bidder)

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.

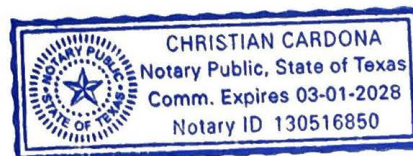

Signature of: President, Secretary,
Manager, Owner, or Representative

Subscribed and sworn to before me this, 19 day of February, 2025


Signature of Notary Public In and For

The County of Harris

State of Texas



All Signatures Must Be Witnessed By Notary

**BAY AREA CHEMICAL CONSORTIUM
BID FORM FOR BID NO. 13-2025
FOR SUPPLY AND DELIVERY OF SODIUM HYPOCHLORITE 12.5%**

Sealed bids must be submitted in a PDF format and bidders must enter bid prices into the electronic bid platform (Line Item page)

<https://bacwa.org/bacc/>

No later than 4:00 PM. PT
Thursday, February 20, 2025

Legal Name of Bidder:

Pioneer Americas LLC, is a wholly
subsidiary of Olin Corporation

Business Address

16290 Katy Freeway

Suite 600

Houston, TX 77094

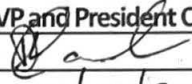
Telephone Number: (423) 336-4421

Facsimile Number: (423) 336-4682

Email Address: _____

Authorized Representative (Please Print):

Deon Carter, VP and President Chlor Alkali Division

Signature: 

Date: 02/18/2025

I. All costs except California State sales tax for the purchase of SODIUM HYPOCHLORITE 12.5% must be included in the amount shown entered into the electronic bid platform (Line Item page), including any and all mill assessments, fees, excise taxes, transportation charges, etc. Any exceptions to the bid must be noted under Specific Deviations on the Standard Agreement. Bidders shall submit bids per unit of measure as specified in the electronic bid platform (Line Item page).

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

- a. All requirements listed in Section 2.21 Manufacturer's Info.
- b. If applicable, the name, address, and contact information for the third party hauling company as well as an affidavit signed by the Bidder that the third party hauler can and will deliver the chemical to each and every participating BACC Agency.

III. Bidder Obligations

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



16290 Katy Freeway, Suite 600, Houston, TX 77094
Phone: 423/336-4850 • Fax: 423/336-4830 Internet
Address: www.olinchloralkali.com

Affidavit of Compliance

The Sodium Hypochlorite to be furnished under this Proposal is of the highest industry standard and complies with all bid specifications including current ANSI/AWWA Standards and NSF Standard 60.

Franco Accomando
Sr. Marketing Manager Bleach
Olin Chlor-Alkali Products and Vinyls

CERTIFIED LABORATORY REPORT



Olin Chlor Alkali Products and Vinyls

1186 Lower River Road NE

Charleston, TN 37310

1-423-336-4000

Product: Sodium Hypochlorite 12.5%

Sample ID: 241203

Production Facility: Olin-K2

Sample Date: 12/03/2024

Specification: BACC

Parameter	Analysis	Units	Specification	Analyst
Sodium hypochlorite, NaOCl	13.2	wt %	12.5 min.	Olin-Charleston
Available chlorine, Cl ₂	12.6	wt %	11.9 min.	Olin-Charleston
Available chlorine, Cl ₂	1.26	lbs/gal	1.05 min.	Olin-Charleston
pH	13.3		12-13	Estimated
Density at 60 °F	10.00	lbs/gal		Olin-Charleston
Specific Gravity at 60 °F	1.200			Olin-Charleston
Total free alkali as NaOH	0.6	wt %	1.5	Olin-Charleston
Total free alkali as NaOH	0.06	lbs/gal		Olin-Charleston
Actual NaOH	0.5	wt %	1.5	Olin-Charleston
Actual NaOH	0.05	lbs/gal	0.1	Olin-Charleston
Sodium carbonate, Na ₂ CO ₃	0.1	wt %		Olin-Charleston
Sodium carbonate, Na ₂ CO ₃	0.01	lbs/gal		Olin-Charleston
Insolubles	< 0.15	wt %	0.15	Olin-Charleston
Chlorate, ClO ₃ ⁻	271	mg/L	< 2380	Olin-Charleston
Bromate, BrO ₃ ⁻	<10	mg/L	< 20	Olin-Charleston
Iron, Fe	< 0.1	mg/L	< 1.0	Olin-Charleston
Copper, Cu	< 0.1	mg/L	< 0.1	Olin-Charleston
Nickel, Ni	< 0.1	mg/L	< 0.1	Olin-Charleston
Cobalt, Co	< 0.1	mg/L	< 0.1	Olin-Charleston
Timed filtration	1.65	min	3.0	Olin-Charleston

(1 L through 0.8 micron at 25 mm Hg)

Casey Dover

Casey Dover, Division Quality Chemist

Olin-Charleston is an ISO certified facility

Olin-K2 Pure Solutions L.P. is an NSF certified supplier



The Public Health and Safety Organization

NSF Product and Service Listings

These NSF Official Listings are current as of **Friday, September 23, 2022** at 12:15 a.m. Eastern Time. Please contact NSF to confirm the status of any Listing, report errors, or make suggestions.

Alert: NSF is concerned about fraudulent downloading and manipulation of website text. Always confirm this information by clicking on the below link for the most accurate information:

<http://info.nsf.org/Certified/PwsChemicals/Listings.asp?Company=C0619389&Standard=060&>

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

Olin DBA Chlor Alkali Products DBA Blue Cube Operations DBA KA Steel

490 Stuart Road

Cleveland, TN 37312

United States

423-336-4489

Visit this company's website (<http://www.olin.com>).

Facility : Pittsburg, CA

Hydrochloric Acid

<i>Trade Designation</i>	<i>Product Function</i>	<i>Max Use</i>
Hydrochloric Acid, 20 deg. Be'	Corrosion & Scale Control pH Adjustment	40mg/L
Hydrochloric Acid, 22 deg. Be'	Corrosion & Scale Control pH Adjustment	40mg/L
Hydrochloric Acid, Dilute	Corrosion & Scale Control pH Adjustment	40mg/L

Sodium Hydroxide

Grade	pH Adjustment	
Sodium Hydroxide, Dilute	Corrosion & Scale Control	100mg/L
	pH Adjustment	
Sodium Hypochlorite[HY]		
Trade Designation	Product Function	Max Use
L.T. Sanitizer 5.25%	Disinfection & Oxidation	200mg/L
Sodium Hypochlorite -12.5 Bacticide	Disinfection & Oxidation	84mg/L

[HY] The residual levels of chlorine (hypochlorite ion and hypochlorous acid), chlorine dioxide, chlorate ion, chloramine and disinfection by-products shall be monitored in the finished drinking water to ensure compliance to all applicable regulations. Also, reference the AWWA B300 (Hypochlorites) standard's Recommendations for the Handling and Storage of Hypochlorite Solutions appendix for information on preservation techniques for hypochlorite bleach in transit and storage.

NOTE: Only products bearing the NSF Mark on the product, product packaging, and/or documentation shipped with the product are Certified.

Number of matching Manufacturers is 1

Number of matching Products is 8

Processing time was 0 seconds



Chlorine/Bleach Plant Locations

Pittsburg, CA

(Northern & Central CA, Northern NV)

950 Loveridge Rd.

Pittsburg, CA 94565

Office: (925) 526-8112

Sales Rep: Jason Cho

Cell: (251) 895-2077

Customer Service (orders):

(833) 370-3737

Customer Service (Email):

Capvcustomerservicewest@olin.com

Santa Fe Springs, CA

(Southern CA)

11600 Pike Street

Santa Fe Springs, CA 90670

Plant Manager: Drew Sikkema

Office: (562) 692-0510

Sales Rep: Chuck Hogan

Cell (925) 200-8583

Customer Service (orders):

(833) 370-3737

Customer Service (Email):

Capvcustomerservicewest@olin.com

Remit To Address:

Pioneer Americas LLC 10728

540 W. Madison St. 4th Floor

Chicago, IL 60661

E-remittance: OlinRemits@olin.com

Henderson, NV

(AZ, NM, NV, UT, Mexico)

350 Fourth Street

Henderson, NV 89015

Plant Manager: Gil Doucet

Office: (702) 564-0356

Sales Rep: Nick Pregman

Cell: (702) 232-5542

Customer Service (orders):

(833) 370-3737

Customer Service (Email):

Capvcustomerservicewest@olin.com

Procedures For Chemical Emergencies:

- Drivers are instructed to call 911 (First)
- Contact Chemtrec (Second)
- Contact Olin Technical Support (Third)

OLIN Contact For Emergencies:

- 24 hour emergency phone number(Chemtrec): (800) 424-9300
- Charles Burgess, Tech Services (702) 564-0477 office
(209) 207-2113 cell

Sales Specification

12.5 wt% Sodium Hypochlorite Solution

West Coast Water Treatment Specification



Characteristics	Units	Min	Max
Sodium Hypochlorite, NaOCl	wt%	12.5	15.6
Available Chlorine	wt%	11.9	14.8
Total Alkalinity ¹	wt%	0.1	1.5
Chlorate (12.5% Basis) ²	ppm	N/A	3,570
Bromate (12.5% Basis) ²	ppm	N/A	39
Insolubles ¹	wt%	N/A	0.15
Iron, Fe	ppm	N/A	1.5
Nickel, Ni	ppm	N/A	0.1
Copper, Cu	ppm	N/A	0.1
Cobalt, Co	ppm	N/A	0.1
Sodium Hypochlorite, NaOCl	wt%	12.5	15.6
Available Chlorine	wt%	11.9	14.8

1 – Limit set to meet ANSI/AWWA B300-18

2 – Limit set to meet NSF/ANSI Standard 60

Meets the Following

ANSI/AWWA B300-18

Registered EPA Pesticide

Certified for the NSF/ANSI Standard 60 at a maximum use level of 84 mg/L

Olin Document Information

<u>Specification No.:</u> NaOCl-S4	<u>Issue Date:</u> 12/15/2022	<u>Sheet No.:</u> 1 of 1
---------------------------------------	----------------------------------	-----------------------------

Sales Specification

5.25% Sodium Hypochlorite Solution

Potable Water Grade



Characteristics	Units	Min	Max	Reported
Sodium Hypochlorite, NaOCl	wt%	5.25	6.60	X
Total Alkalinity as NaOH	wt%	0.1	1.5	X
Density @ 20°C	g/mL	N/A	N/A	X

Meets the Following

Registered EPA Pesticide

Certified for the NSF/ANSI Standard 60 at a maximum use level of 200 mg/L

Olin Document Information

Specification No:

CAP-060-S2

Issue Date:

04/28/2023

Sheet No.:

1 of 1

Sodium Hypochlorite, 17-30%

Version	Revision Date:	SDS Number:	Date of last issue: 03-06-2020
4.0	07-15-2021	10000001224	Date of first issue: 07-15-2021

Olin Corporation (OCAP) encourages and expects you to read and understand the entire (M)SDS, as there is important information throughout the document. We expect you to follow the precautions identified in this document unless your use conditions would necessitate other appropriate methods or actions.

SECTION 1. IDENTIFICATION

Product name : Sodium Hypochlorite, 17-30%

Manufacturer or supplier's details

Company name of supplier : Olin Corporation (OCAP)
Address : 190 Carondelet Plaza, Suite 1530
Clayton MO 63105
Telephone : (423) 336-4850
E-mail address : INFO@OLIN.COM
Local Emergency Contact : 1-800-424-9300
Identified uses : Disinfectant.
Paper bleaching agent
Water treatment chemicals
Biocidal product
Bleaching agents, Activators and Stabilizers
Textile bleaching agent

SECTION 2. HAZARDS IDENTIFICATION**GHS classification in accordance with 29 CFR 1910.1200**

Corrosive to Metals : Category 1
Skin corrosion : Category 1B
Serious eye damage : Category 1

GHS label elements

Hazard pictograms :



Signal Word : Danger

Hazard Statements : May be corrosive to metals.
Causes severe skin burns and eye damage.

Precautionary Statements : **Prevention:**
P234 Keep only in original container.
P264 Wash skin thoroughly after handling.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

Response:

Sodium Hypochlorite, 17-30%

Version 4.0	Revision Date: 07-15-2021	SDS Number: 10000001224	Date of last issue: 03-06-2020 Date of first issue: 07-15-2021
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P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.
P304 + P340 + P310 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/ doctor.
P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor.
P363 Wash contaminated clothing before reuse.
P390 Absorb spillage to prevent material damage.

Storage:

P405 Store locked up.
P406 Store in corrosive resistant container with a resistant inner liner.

Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Substance
Substance name : Sodium hypochloride

CAS-No. : 7681-52-9

Components

Chemical name	CAS-No.	Concentration (% w/w)
Water	7732-18-5	>= 65.5 - <= 82.9
Sodium hypochlorite	7681-52-9	>= 17 - <= 30
Sodium hydroxide	1310-73-2	>= 0.1 - <= 4.5

SECTION 4. FIRST AID MEASURES

If inhaled : Move person to fresh air; if effects occur, consult a physician.
In case of skin contact : Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing. Seek medical attention if symptoms occur or irritation persists. Wash clothing before reuse.
Suitable emergency safety shower facility should be immediately available.

In case of eye contact : - Wash eyes with plenty of water for 15 minutes at least. Do not forget to remove contact lenses.
Suitable emergency eye wash facility should be immediately available.

If swallowed : Do not induce vomiting. Give one cup (8 ounces or 240 ml) of

Sodium Hypochlorite, 17-30%

Version	Revision Date:	SDS Number:	Date of last issue: 03-06-2020
4.0	07-15-2021	10000001224	Date of first issue: 07-15-2021

water or milk if available and transport to a medical facility. Do not give anything by mouth unless the person is fully conscious.

Most important symptoms and effects, both acute and delayed : Aside from the information found under Description of first aid measures(above)any additional important symptoms and effects are described in Section 11: Toxicology Information.

Protection of first-aiders : First Aid responders should pay attention to self-protection and use the recommended protective clothing (chemical resistant gloves, splash protection).
If potential for exposure exists refer to Section 8 for specific personal protective equipment.

Notes to physician : May cause asthma-like (reactive airways) symptoms. Bronchodilators, expectorants, antitussives and corticosteroids may be of help.
Maintain adequate ventilation and oxygenation of the patient. Chemical eye burns may require extended irrigation. Obtain prompt consultation, preferably from an ophthalmologist. If burn is present, treat as any thermal burn, after decontamination.
Due to irritant properties, swallowing may result in burns/ulceration of mouth, stomach and lower gastrointestinal tract with subsequent stricture. Aspiration of vomitus may cause lung injury. Suggest endotracheal/esophageal control if lavage is done.
No specific antidote.
Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient. Repeated excessive exposure may aggravate preexisting lung disease.

SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media : In case of fire, use water fog, foam, dry powder, carbon dioxide.

Unsuitable extinguishing media : Do NOT use water jet.
May spread fire.
Dry chemical extinguishing agents may react with product; use with caution.

Hazardous combustion products : During a fire, smoke may contain the original material in addition to combustion products of varying composition which may be toxic and/or irritating.

Further information : For safety reasons in case of fire, containers should be stored separately in closed containments.
Do not breathe fumes.

Special protective equipment for fire-fighters : Wear full protective clothing and self-contained breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures : Evacuate area.
Only trained and properly protected personnel must be involved in clean-up operations.
Wear suitable protective equipment.
Avoid breathing vapor.

Sodium Hypochlorite, 17-30%

Version	Revision Date:	SDS Number:	Date of last issue: 03-06-2020
4.0	07-15-2021	10000001224	Date of first issue: 07-15-2021

Avoid all contact.
 Keep people away from and upwind of spill/leak.
 Ventilate area of leak or spill.
 Wear suitable protective clothing.
 Use appropriate safety equipment. For additional information, refer to Section 8, Exposure Controls and Personal Protection.

Environmental precautions : Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12, Ecological Information.
 Do not discharge directly to a water source.
 See Section 13, Disposal Considerations, for additional information.

Methods and materials for containment and cleaning up : Contain spilled material if possible.
 Small spills:
 Large spills:
 Absorb with materials such as:
 Vermiculite.
 Cover with absorbent or contain. Collect and dispose.
 Dike and transfer to suitable and properly labeled containers.
 This material is corrosive. See SECTION 8, Exposure Controls/Personal Protection, prior to handling.

SECTION 7. HANDLING AND STORAGE

Advice on safe handling : Keep container closed.
 Do not get in eyes, on skin, or on clothing.
 Wear personal protective equipment.
 Use with adequate ventilation.
 Use good general industrial hygiene practices for handling.
 Wash thoroughly after handling.
 Protect from direct exposure to sunlight.

Conditions for safe storage : Keep container tightly closed.
 Store away from incompatible materials. See STABILITY AND REACTIVITY section.
 Store under cover in a dry, clean, cool, well ventilated place away from sunlight.
 Store away from oxidizing materials.
 Store in original vented container.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Sodium hypochlorite	7681-52-9	STEL	2 mg/m ³	US WEEL
Sodium hydroxide	1310-73-2	C	2 mg/m ³	ACGIH
		C	2 mg/m ³	OSHA P0
		TWA	2 mg/m ³	OSHA Z-1

Engineering measures : Use local exhaust ventilation, or other engineering controls to maintain airborne levels below exposure limit requirements or guidelines. If there are no applicable exposure limit

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requirements or guidelines, general ventilation should be sufficient for most operations.
Local exhaust ventilation may be necessary for some operations.

Personal protective equipment

- Respiratory protection : Respiratory protection should be worn when there is a potential to exceed the exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, wear respiratory protection when adverse effects, such as respiratory irritation or discomfort have been experienced, or where indicated by your risk assessment process.
For most conditions no respiratory protection should be needed; however, if discomfort is experienced, use an approved air-purifying respirator.
- Filter type : The following should be effective types of air-purifying respirators: Particulate filter.
- Hand protection
- Remarks : Use gloves chemically resistant to this material. Examples of preferred glove barrier materials include: Natural rubber ('latex'). Neoprene. Nitrile/butadiene rubber ('nitrile' or 'NBR'). Polyethylene. Ethyl vinyl alcohol laminate ('EVAL'). Polyvinyl chloride ('PVC' or 'vinyl'). Avoid gloves made of: Polyvinyl alcohol ('PVA'). NOTICE: The selection of a specific glove for a particular application and duration of use in a workplace should also take into account all relevant workplace factors such as, but not limited to: Other chemicals which may be handled, physical requirements (cut/puncture protection, dexterity, thermal protection), potential body reactions to glove materials, as well as the instructions/specifications provided by the glove supplier.
- Eye protection : Use chemical goggles.
- Skin and body protection : Use protective clothing chemically resistant to this material. Selection of specific items such as face shield, boots, apron, or full body suit will depend on the task. Reports indicate that sodium hypochlorite can react with various fabrics usually increasing with concentration. Reactions vary significantly depending on strength of chemical, material, fabric treatment and color of dyes. Fire resistant clothing treated cotton has a stronger response than plain cotton. Poly blend fabrics and meta aramid fabric have a weaker response than natural fibers. Contact the Personal Protective Equipment manufacturer for specific information about their products.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance : liquid
- Color : yellow, green
- Odor : pungent

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Odor Threshold	: No data available
pH	: 12 (77 °F / 25 °C)
Freezing point	: -17.00 °F / -27.22 °C Method: Measured
Melting point/range	: -17.00 °F / -27.22 °C Method: Literature
Boiling point/boiling range	: No data available
Flash point	: Not applicable
Evaporation rate	: No data available
Flammability (solid, gas)	: Not expected to form explosive dust-air mixtures.
Flammability (liquids)	: Not expected to be a static-accumulating flammable liquid.
Self-ignition	: The substance or mixture is not classified as pyrophoric.
Upper explosion limit / Upper flammability limit	: Not applicable
Lower explosion limit / Lower flammability limit	: Not applicable
Vapor pressure	: 12 mmHg
Relative vapor density	: Not available
Relative density	: 1.187 - 1.333 (68 °F / 20 °C)
Solubility(ies) Water solubility	: completely miscible
Partition coefficient: n-octanol/water	: No data available
Autoignition temperature	: Not applicable
Decomposition temperature	: No data available
Viscosity Viscosity, dynamic	: No data available
Viscosity, kinematic	: No data available
Explosive properties	: Not applicable
Oxidizing properties	: Not applicable
Molecular weight	: 74.5 g/mol
Metal corrosion rate	: Corrosive to metals

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Note: These are the Reference Points for these Physical Properties listed above, unless otherwise noted in their respective Physical Property value information: Boiling Point at 760 mmHg; Evaporation Rate Butyl Acetate = 1; Relative Vapor Density Air = 1; and Relative Density Water = 1.

NOTE: The physical data presented above are typical values and should not be construed as a specification.

SECTION 10. STABILITY AND REACTIVITY

Possibility of hazardous reactions	:	Polymerization will not occur. Stable under recommended storage conditions.
Conditions to avoid	:	contact with incompatible materials Avoid direct sunlight or ultraviolet sources. Excessive heat. contact between acids and chlorates, a component of this product mixture, can cause the generation of chlorine gas.
Hazardous decomposition products	:	Oxygen

SECTION 11. TOXICOLOGICAL INFORMATION**Acute toxicity****Components:****Sodium hypochlorite:**

Acute oral toxicity	:	LD50 (Rat): 805 mg/kg Method: Estimated.
Acute inhalation toxicity	:	LC50 (Rat): > 10.5 mg/l Test atmosphere: dust/mist Assessment: The substance or mixture has no acute inhalation toxicity
Acute dermal toxicity	:	LD50 (Rat): > 1,000 mg/kg

Sodium hydroxide:

Acute oral toxicity	:	LD50 (Rabbit): 336 mg/kg Method: Estimated.
Acute inhalation toxicity	:	Remarks: The LC50 has not been determined.
Acute dermal toxicity	:	Remarks: The dermal LD50 has not been determined.

Skin corrosion/irritation**Components:****Sodium hypochlorite:**

Result	:	Causes burns.
Remarks	:	Brief contact may cause skin burns. Symptoms may include pain, severe local redness and tissue damage. Prolonged contact may cause severe skin burns. Symptoms

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may include pain, severe local redness, swelling, and tissue damage.

Sodium hydroxide:

Result	:	Causes severe burns.
Remarks	:	Brief contact may cause severe skin burns. Symptoms may include pain, severe local redness and tissue damage.

Serious eye damage/eye irritation**Components:****Sodium hypochlorite:**

Result	:	Corrosive
Remarks	:	May cause severe irritation with corneal injury which may result in permanent impairment of vision, even blindness. Chemical burns may occur.

Sodium hydroxide:

Result	:	Corrosive
Remarks	:	May cause severe irritation with corneal injury which may result in permanent impairment of vision, even blindness. Chemical burns may occur. Dust may irritate eyes.

Respiratory or skin sensitization**Components:****Sodium hypochlorite:**

Assessment	:	Does not cause skin sensitization.
Remarks	:	Did not cause allergic skin reactions when tested in guinea pigs.

Remarks	:	For respiratory sensitization: No relevant data found.
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Sodium hydroxide:

Assessment	:	Does not cause skin sensitization.
Remarks	:	Did not cause allergic skin reactions when tested in humans.

Remarks	:	For respiratory sensitization: No relevant data found.
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Germ cell mutagenicity**Components:****Sodium hypochlorite:**

Genotoxicity in vitro	:	Remarks: In vitro genetic toxicity studies were negative in some cases and positive in other cases. Animal genetic toxicity studies were predominantly negative.
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Sodium hydroxide:

Genotoxicity in vitro : Remarks: In vitro genetic toxicity studies were negative.

Carcinogenicity**Components:****Sodium hypochlorite:**

Remarks : Did not cause cancer in laboratory animals.

Sodium hydroxide:

Remarks : No relevant data found.

IARC No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

OSHA No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

NTP No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

Reproductive toxicity**Components:****Sodium hypochlorite:**

Effects on fertility : Remarks: For similar material(s):
In animal studies, did not interfere with reproduction.
In animal studies, did not interfere with fertility.

Effects on fetal development : Remarks: Did not cause birth defects or any other fetal effects in laboratory animals.

Sodium hydroxide:

Effects on fertility : Remarks: No relevant data found.

Effects on fetal development : Remarks: No relevant data found.

STOT-single exposure**Components:****Sodium hypochlorite:**

Assessment : Material is corrosive. Material is not classified as a respiratory irritant; however, upper respiratory tract irritation or corrosivity may be expected.

Sodium hydroxide:

Assessment : Available data are inadequate to determine single exposure

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specific target organ toxicity.

Repeated dose toxicity**Components:****Sodium hypochlorite:**

Remarks : Repeated exposures to dusts of this material are not anticipated to result in systemic toxicity or permanent lung injury; however, excessive exposures may cause less severe respiratory effects.

Sodium hydroxide:

Remarks : Based on available data, repeated exposures are not anticipated to cause additional significant adverse effects.

Aspiration toxicity**Components:****Sodium hypochlorite:**

Aspiration into the lungs may occur during ingestion or vomiting, causing tissue damage or lung injury.

Sodium hydroxide:

Aspiration into the lungs may occur during ingestion or vomiting, causing tissue damage or lung injury.

SECTION 12. ECOLOGICAL INFORMATION**Ecotoxicity****Components:****Sodium hypochlorite:**

Toxicity to fish : Remarks: Material is very highly toxic to aquatic organisms on an acute basis (LC50/EC50 <0.1 mg/L in the most sensitive species).

LC50 (Pimephales promelas (fathead minnow)): 0.22 - 0.62 mg/l

Exposure time: 96 h

Method: Method Not Specified.

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 0.035 mg/l
Exposure time: 48 h
Test Type: flow-through test
Method: OECD Test Guideline 202

M-Factor (Acute aquatic toxicity) : 10

Toxicity to fish (Chronic toxicity) : NOEC (Menidia peninsulae (tidewater silverside)): 0.04 mg/l

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icity)
Exposure time: 28 d
Test Type: flow-through test
Method: Other guidelines

M-Factor (Chronic aquatic toxicity) : 1
Toxicity to microorganisms : EC50 (activated sludge): 28.7 mg/l

Sodium hydroxide:

Toxicity to fish : Remarks: May increase pH of aquatic systems to > pH 10 which may be toxic to aquatic organisms.

Persistence and degradability**Components:****Sodium hypochlorite:**

Biodegradability : Remarks: Biodegradability is not applicable to inorganic substances.

Sodium hydroxide:

Biodegradability : Remarks: Biodegradability is not applicable to inorganic substances.

Bioaccumulative potential**Components:****Sodium hypochlorite:**

Partition coefficient: n-octanol/water : Remarks: Bioconcentration potential is low (BCF < 100 or Log Pow < 3).
Partitioning from water to n-octanol is not applicable.

Sodium hydroxide:

Partition coefficient: n-octanol/water : Remarks: No bioconcentration is expected because of the relatively high water solubility.

Mobility in soil**Components:****Sodium hypochlorite:**

Distribution among environmental compartments : Remarks: No relevant data found.

Sodium hydroxide:

Distribution among environmental compartments : Koc: 14
Method: Estimated.
Remarks: Potential for mobility in soil is very high (Koc between 0 and 50).

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Other adverse effects**Components:****Sodium hypochlorite:**

Results of PBT and vPvB assessment : This substance has not been assessed for persistence, bioaccumulation and toxicity (PBT).

Sodium hydroxide:

Results of PBT and vPvB assessment : This substance is not considered to be persistent, bioaccumulating and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulating (vPvB).

SECTION 13. DISPOSAL CONSIDERATIONS**Disposal methods**

Waste from residues : AS YOUR SUPPLIER, WE HAVE NO CONTROL OVER THE MANAGEMENT PRACTICES OR MANUFACTURING PROCESSES OF PARTIES HANDLING OR USING THIS MATERIAL.
THE INFORMATION PRESENTED HERE PERTAINS ONLY TO THE PRODUCT AS SHIPPED IN ITS INTENDED CONDITION AS DESCRIBED IN MSDS SECTION: Composition Information.
All disposal practices must be in compliance with all Federal, State/Provincial and local laws and regulations.
Regulations may vary in different locations.
Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator.
DO NOT DUMP INTO ANY SEWERS, ON THE GROUND, OR INTO ANY BODY OF WATER.

SECTION 14. TRANSPORT INFORMATION**International Regulations****UNRTDG**

UN number	: UN 1791
Proper shipping name	: HYPOCHLORITE SOLUTION
Class	: 8
Packing group	: II
Labels	: 8

IATA-DGR

UN/ID No.	: UN 1791
Proper shipping name	: Hypochlorite solution
Class	: 8
Packing group	: II
Labels	: Corrosive
Packing instruction (cargo aircraft)	: 855
Packing instruction (passenger aircraft)	: 851

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IMDG-Code

UN number	: UN 1791
Proper shipping name	: HYPOCHLORITE SOLUTION (sodium hypochlorite)
Class	: 8
Packing group	: II
Labels	: 8
EmS Code	: F-A, S-B
Marine pollutant	: yes
Remarks	: Stowage category BHypochlorites

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

Domestic regulation

49 CFR

UN/ID/NA number	: UN 1791
Proper shipping name	: Hypochlorite solutions
Class	: 8
Packing group	: II
Labels	: CORROSIVE
ERG Code	: 154
Marine pollutant	: yes(sodium hypochlorite)

Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

SECTION 15. REGULATORY INFORMATION

EPCRA - Emergency Planning and Community Right-to-Know

SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

This material does not contain any components with a section 302 EHS TPQ.

SARA 311/312 Hazards	: Corrosive to Metals Skin corrosion or irritation Serious eye damage or eye irritation
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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.
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US State Regulations

Pennsylvania Right To Know

Sodium hypochlorite	7681-52-9
Sodium hydroxide	1310-73-2

California Prop. 65

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

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International Regulations

Montreal Protocol : Not applicable

Rotterdam Convention (Prior Informed Consent) : Not applicable

Stockholm Convention (Persistent Organic Pollutants) : Not applicable

The ingredients of this product are reported in the following inventories:

TCSI : All intentional components are listed on the inventory, are exempt, or are supplier certified.

TSCA : All substances listed as active on the TSCA Inventory or are not required to be listed.

AICS : All intentional components are listed on the inventory, are exempt, or are supplier certified.

DSL : All substances contained in this product are listed on the Canadian Domestic Substances List (DSL) or are not required to be listed.

ENCS : All intentional components are listed on the inventory, are exempt, or are supplier certified.

ISHL : All intentional components are listed on the inventory, are exempt, or are supplier certified.

KECI : All intentional components are listed on the inventory, are exempt, or are supplier certified.

PICCS : All intentional components are listed on the inventory, are exempt, or are supplier certified.

IECSC : All intentional components are listed on the inventory, are exempt, or are supplier certified.

NZIoC : All intentional components are listed on the inventory, are exempt, or are supplier certified.

CH INV : All intentional components are listed on the inventory, are exempt, or are supplier certified.

TSCA list

No substances are subject to a Significant New Use Rule.

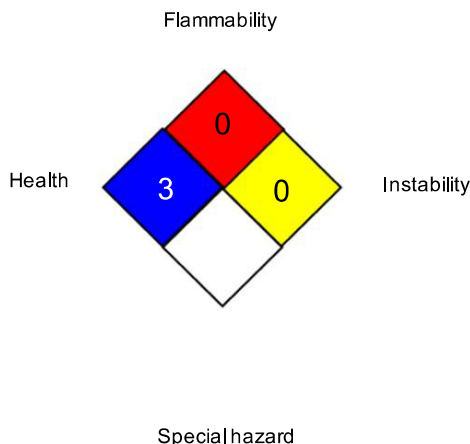
No substances are subject to TSCA 12(b) export notification requirements.

SECTION 16. OTHER INFORMATION**Further information**

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NFPA 704:



Full text of other abbreviations

ACGIH	:	USA. ACGIH Threshold Limit Values (TLV)
OSHA P0	:	USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000
OSHA Z-1	:	USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants
US WEEL	:	USA. Workplace Environmental Exposure Levels (WEEL)
ACGIH / C	:	Ceiling limit
OSHA P0 / C	:	Ceiling limit
OSHA Z-1 / TWA	:	8-hour time weighted average
US WEEL / STEL	:	Short-Term TWA

AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; ICSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic sub-

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stance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

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Olin Corporation (OCAP) urges each customer or recipient of this (M)SDS to study it carefully and consult appropriate expertise, as necessary or appropriate, to become aware of and understand the data contained in this (M)SDS and any hazards associated with the product. The information herein is provided in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied, is given. Regulatory requirements are subject to change and may differ between various locations. It is the buyer's/user's responsibility to ensure that his activities comply with all federal, state, provincial or local laws. The information presented here pertains only to the product as shipped. Since conditions for use of the product are not under the control of the manufacturer, it is the buyer's/user's duty to determine the conditions necessary for the safe use of this product. Due to the proliferation of sources for information such as manufacturer-specific (M)SDSs, we are not and cannot be responsible for (M)SDSs obtained from any source other than ourselves. If you have obtained an (M)SDS from another source or if you are not sure that the (M)SDS you have is current, please contact us for the most current version.

US / Z8



EMERGENCY RESPONSE TRAINING AND PROCEDURES

Safety Equipment Carried On Delivery Trucks:

- Emergency Response Guide Book
- Chemical protective suit, chemical protective gloves, goggles, hard hat with face shield/chin guard, chemical protective boots, chemical protective gloves and respiratory protection (if applicable)
- Fire extinguisher
- Radio equipment/GPS

Equipment Inspection:

- All Trailers: VIK, UC, P, L inspections per DOT regulations
- All Tractors: "A" Inspection (37 point-critical) annually per DOT regulations

Emergency Training Received By Drivers:

- All contract carriers are to utilize drivers who are compliant and up to date with Hazmat training requirements per DOT 49 CFR 172

Procedures For Chemical Emergencies:

- Drivers are instructed to call 911 (First, if situation warrants)
- Contact Chemtrec (Second)
- Contact OLIN (Third)

Contact For Emergencies:

24-hr Emergency (CHEMTREC)	800-424-9300
Charles Burgess (Tech Services)	O-702-564-0477 C-209-207-2113
Drew Sikkema (Plant Mgr SFS)	O-562-692-0540
Gil Doucet (Plant Mgr Henderson)	C-702-250-8792

EMERGENCY SPILL RESPONSE PLAN

Should a spill or incident occur while at a Customer's site, the following procedure shall be used:

- If applicable, immediately utilize the on-board spill kit to contain small spills
- Immediately report the spill/incident to National Emergency Response Center. Olin will then be notified and contact customer.
- Driver to notify the Customer at the site.
- Protect the spill site and keep all unauthorized people away and up-wind from the spill site.

EMERGENCY RESPONSE CONTACT PHONE NUMBERS

Emergency Response Agencies (Fire, Law and Medical)	911
National Response Center	800-424-9300

USEFUL EMERGENCY NUMBERS FOR OLIN EMPLOYEES

Dave Clayton	Office	630-243-2285
	Cell	331-625-5094
Michelle Stanislawski	Office	630-243-6010
	Cell	630-414-5417
Charlie Burgess	Cell	209-207-2113
Downers Grove Dispatch	Office	800-577-3902

Each delivery unit shall have the following Emergency Spill Control Equipment on-board:

- Complete Driver PPE as Olin specified.
- Emergency Spill Kit
- Buckets

* The above items should be inspected on a monthly basis and immediately replaced after any use



490 Stuart Road, NE, Cleveland, Tennessee 37312
Phone: 423/336-4850 • Fax: 423/336-4830
Internet Address: www.olinchloralkali.com

Olin 3rd Party Carrier List

Quality Carriers
Brett Richardson
323-351-7483

Quantix Transportation
Alex Gil
832-737-4959

Liquid Transport
Jennifer Dana
843-338-2964