

BID NUMBER ITB PR 22-001

TO: CITY OF LONG BEACH
CITY CLERK
ATTN: Christina Sarmiento
411 West Ocean Boulevard, Lobby Level
Long Beach, California 90802



INVITATION TO BID

Pool Chemicals, Supplies & Services

CONTRACT NO. 36185

- COMPLETE CONTRACT:**
This Invitation to Bid, together with THE NOTICE INVITING BIDS, the entire Bid (including Specifications), or any Items(s) thereof, the signature page, Instructions to Bidders, General Conditions, Special Conditions, Bid Section, Addendums, and when required, CONTRACTOR'S BOND shall become the Contract upon its acceptance by the City Manager or designee on behalf of the City of Long Beach, Contractor will be provided with a copy of the executed Contract. All materials or services provided by the Contractor shall comply with the City Charter, and all applicable Federal, State and City Laws.
- SERVICES TO BE PROVIDED BY THE CONTRACTOR:**
Contractor shall upon acceptance of this Bid by the City, furnish the goods and services herein specified according to the terms and conditions set forth herein.
- AMOUNT TO BE PAID:**
The City shall pay Contractor for the goods or services as described in the section entitled "PAYMENT" in the Instructions to Bidders.
- CHOICE OF ALTERNATE PROVISIONS; OPTIONS; NOTIFICATION:**
When alternative provisions are requested, or options are offered, Contractor will be notified as to which provision, or option, is being accepted at the same time that he is notified that he is the successful Bidder.
- DECLARATION OF NON-COLLUSION:**
The undersigned certifies or declares under penalty of perjury that this Bid is genuine and not sham or collusive, or made in the interest or on behalf of any person or entity not herein named; that the Bidder has not directly or indirectly induced or solicited any other Bidder to submit a sham bid, or any other person or entity to refrain from bidding, and that the Bidder has not in any manner sought by collusion to secure to himself any advantage over other Bidders.

BIDDER MUST COMPLETE AND SIGN BELOW:

(Signature of Corporate Officers or persons authorized to sign bids and contracts on behalf of the Contractor – refer to page 2 Instructions Concerning Signatures.)

EXECUTED AT: Santa Ana ON THE 26th DAY OF October, 20 21
CITY STATE MONTH

COMPANY NAME: Waterline Technologies Inc. TIN: [REDACTED]
(FEDERAL TAX IDENTIFICATION NUMBER)

STREET ADDRESS: 620 Santiago Street CITY: Santa Ana STATE: CA ZIP: 92701

PHONE: 714-564-9100 FAX: 714-564-9700

s/ Thomas R. Berrey GM
(SIGNATURE) (TITLE)

Thomas R Berrey tberrey@waterlinetech.com
(PRINT NAME) (EMAIL ADDRESS)

s/ Kathy La Vole CONTROLLER
(SIGNATURE) (TITLE)

Kathy La Vole klavoie@waterlinetech.com
(PRINT NAME) (EMAIL ADDRESS)

ALL SIGNATURES MUST BE NOTARIZED FOR ALL COMPANIES LOCATED OUTSIDE THE STATE OF CALIFORNIA.
NO OUT-OF-STATE BID WILL BE CONSIDERED UNLESS A NOTARIAL ACKNOWLEDGMENT IS ATTACHED.
NOTARIES ARE NOT REQUIRED FOR CALIFORNIA BIDDERS.

IN WITNESS WHEREOF the City of Long Beach has caused this contract to be executed as required by law as of the date stated below.
THE CITY OF LONG BEACH
BY [Signature] Digitally signed by Sandra Tsang-Palmer
Date: 2022.02.03 08:26:02 -08'00'
Director of Financial Management Data

APPROVED AS TO FORM January 28th, 2022
CHARLES PARKIN
CITY ATTORNEY
[Signature]
Anita Lakhani, Deputy City Attorney

Pool Chemicals, Supplies & Services

BID NUMBER ITB PR 22-001

**TO: CITY OF LONG BEACH
CITY CLERK
ATTN: Christina Sarmiento
411 West Ocean Boulevard, Lobby Level
Long Beach, California 90802**



INVITATION TO BID

Pool Chemicals, Supplies & Services

CONTRACT NO. _____

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2. SERVICES TO BE PROVIDED BY THE CONTRACTOR:

Contractor shall upon acceptance of this Bid by the City, furnish the goods and services herein specified according to the terms and conditions set forth herein.

3. AMOUNT TO BE PAID:

The City shall pay Contractor for the goods or services as described in the section entitled "PAYMENT" in the Instructions to Bidders.

4. CHOICE OF ALTERNATE PROVISIONS; OPTIONS; NOTIFICATION:

When alternative provisions are requested, or options are offered, Contractor will be notified as to which provision, or option, is being accepted at the same time that he is notified that he is the successful Bidder.

5. DECLARATION OF NON-COLLUSION:

The undersigned certifies or declares under penalty of perjury that this Bid is genuine and not sham or collusive, or made in the interest or on behalf of any person or entity not herein named; that the Bidder has not directly or indirectly induced or solicited any other Bidder to submit a sham bid, or any other person or entity to refrain from bidding, and that the Bidder has not in any manner sought by collusion to secure to himself any advantage over other Bidders.

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EXECUTED AT: Santa Ana CITY ON THE 26th STATE **DAY OF** October MONTH, 20 21

COMPANY NAME: Waterline Technologies Inc. **TIN:** [REDACTED] (FEDERAL TAX IDENTIFICATION NUMBER)

STREET ADDRESS: 620 Santiago Street **CITY:** Santa Ana **STATE:** CA **ZIP:** 92701

PHONE: 714-564-9100 **FAX:** 714-564-9700

s/ Thomas R. Berrey (SIGNATURE) **GM** (TITLE)

Thomas R Berrey (PRINT NAME) **tberrey@waterlinetech.com** (EMAIL ADDRESS)

s/ Kathy La Voie (SIGNATURE) **CONTROLLER** (TITLE)

Kathy La Voie (PRINT NAME) **klavoie@waterlinetech.com** (EMAIL ADDRESS)

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NOTARIES ARE NOT REQUIRED FOR CALIFORNIA BIDDERS.**

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THE CITY OF LONG BEACH

BY _____ Director of Financial Management _____ Date

APPROVED AS TO FORM

January 28th, 2022

**CHARLES PARKIN
CITY ATTORNEY**

Anita Lakhani Deputy City Attorney

Pool Chemicals, Supplies & Services

BID NUMBER ITB PR 22-001

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CITY CLERK
ATTN: Christina Sarmiento
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Pool Chemicals, Supplies & Services

CONTRACT NO. _____

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STREET ADDRESS: 620 Santiago Street CITY: Santa Ana STATE: CA ZIP: 92701

PHONE: 714-564-9100 FAX: 714-564-9700

s/ Thomas R. Berrey (SIGNATURE) GM (TITLE)

Thomas R Berrey (PRINT NAME) tberrey@waterlinetech.com (EMAIL ADDRESS)

s/ Kathy La Voie (SIGNATURE) CONTROLLER (TITLE)

Kathy La Voie (PRINT NAME) klavoie@waterlinetech.com (EMAIL ADDRESS)

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IN WITNESS WHEREOF the City of Long Beach has caused this contract to be executed as required by law as of the date stated below.

THE CITY OF LONG BEACH

BY _____ Date _____
Director of Financial Management

APPROVED AS TO FORM

CHARLES PARKIN, 20_____
CITY ATTORNEY

Deputy

Pool Chemicals, Supplies & Services

BID NUMBER ITB PR 22-001

The City of Long Beach is committed to provide maximum opportunities for Disadvantaged, Minority, Women and Long Beach Business Enterprises (DBEs, MBEs, WBEs and Local) to compete successfully in supplying our needs for products and services.

The following information is submitted regarding the Bidder:

Legal Form of Bidder:

- Corporation State of California
Partnership State of _____
 General Limited
Joint Venture
Individual DBA _____
Limited Liability Company State of _____

Composition of Ownership (more than 51% of ownership of the organization):

OPTIONAL

Ethnic (Check one):

- Black Asian Other Non-white
 Hispanic American Indian Caucasian

Non-ethnic Factors of Ownership (check all that apply):

- Male Yes - Physically Challenged Under 65
 Female No - Physically Challenged Over 65

Is the firm certified as a Disadvantaged Business: Yes No

Has firm previously been certified as a minority-owned and/or woman-owned business enterprise by any other agency?

- Yes No

Name of certifying agency: _____

INSTRUCTIONS CONCERNING SIGNATURES

Please use the proper notary form, which applies to your type of organization on all Bid documents, attachments and bonds requiring a signature by officers of your company.

NOTE: FAILURE TO COMPLY MAY RESULT IN DISQUALIFICATION OF YOUR BID.

INDIVIDUAL (Doing Business As)

- a. The only acceptable signature is the owner of the company. (Only one signature is required.)
b. The owner's signature must be notarized if the company is located outside of the state of California.

PARTNERSHIP

- a. The only acceptable signature(s) is/are that of the general partner or partners.
b. Signature(s) must be notarized if the partnership is located outside of the state of California.

CORPORATION

- a. Two (2) officers of the corporation must sign.
b. Each signature must be notarized if the corporation is located outside of the state of California.

OR

- a. The signature of one officer or the signature of person other than an officer is acceptable if the Bid is accompanied by a certified corporate resolution granting authority to said person to execute contracts on behalf of the corporation.
b. Signature(s) must be notarized if the corporation is located outside of the state of California.

LIMITED LIABILITY COMPANY

- a. The signature on the Bid must be a member or, if the Articles provide for a manager, must be the manager. (Only one signature is required.)
b. Signature must be notarized if the company is located outside of the state of California.

THIS INFORMATION IS AVAILABLE IN AN ALTERNATIVE FORMAT BY CONTACTING 562-570-6200.

Waterline Technologies, Inc.

Waterline
Technologies, Inc.
Water Treatment Technologies

PSOC
Swimming Pool Equipment
and Chemicals



To Whom It May Concern:

This letter is to give notice of authorized personnel recognized to sign bids and other documents on behalf of Waterline Technologies Inc.



Kirk T. Buttermore
President



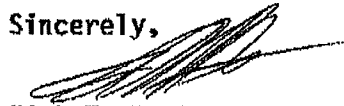
Thomas R. Berrey
Manager



Kathy LaVoie
Controller

Should you have any questions, please contact us at the number listed below.

Sincerely,



Kirk T. Buttermore
President

KTB/k1

ACKNOWLEDGMENT

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California
County of _____)

On _____ before me, _____
(insert name and title of the officer)

personally appeared _____
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature _____ (Seal)

OPTIONAL

Though the data below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent reattachment of this form.

CAPACITY CLAIMED BY SIGNER

DESCRIPTION OF ATTACHED DOCUMENT

- INDIVIDUAL
 - CORPORATE OFFICER
-
- TITLE(S)
- PARTNER(S) LIMITED
 - GENERAL
 - ATTORNEY-IN-FACT
 - TRUSTEE(S)
 - GUARDIAN/CONSERVATOR
 - OTHER:
-
-

TITLE OR TYPE OF DOCUMENT

NUMBER OF PAGES

DATE OF DOCUMENT

SIGNER IS REPRESENTING:
NAME OF PERSON(S) OR ENTITY(IES):

SIGNER(S) OTHER THAN NAMED ABOVE

INSTRUCTIONS TO BIDDERS

1. PREPARATION OF BID:

The preparation of the Bid, including visits to the Site prior to submittal of the Bid, shall be at the expense of Bidder. All prices and notations must be typewritten or written in ink. Any markings in pencil shall not form part of the Bid and shall be disregarded by the City. Any changes or corrections in the Bid must be initiated in ink by the person signing the Bid. Bidder shall state brand name or make of each item bid. If not bidding on Item as described, the manufacturer's name and catalog number of the substitute must be given. Bidder shall also attach specifications and furnish other data to establish the suitability of the substitute. Bidder shall quote separately on each item. Bidder shall quote his lowest price and best delivery date as no changes are permitted after the bid opening. Cash discounts offered for payment within fourteen (14) days or less will not be considered when evaluating bids. No telephonic, telegraphic or fax Bids are acceptable.

NOTE: ALL PAGES OF THE INVITATION TO BID MUST BE RETURNED.

2. EXAMINATION OF BID:

Bidder is responsible for examining the Invitation to Bid and submitting its Bid complete and in conformance with these instructions.

3. CONDITIONS OF WORK:

Bidder shall carefully examine the Site to become fully informed regarding all existing and expected conditions and matters, which could affect performance, cost or time of the Work.

4. DISCREPANCIES IN BID DOCUMENTS:

If Bidder finds discrepancies in or omissions from the Invitation to Bid, if the intent of the Invitation is not clear, or if provisions of the Specifications restrict Bidder from bidding, he may request in writing that the deficiency(s) be modified. Such request must be received by the City Purchasing Agent at least five (5) working days before bid opening date. Bidders will be notified by Addendum of any approved changes in the Invitation to Bid.

5. ORAL STATEMENTS:

The City of Long Beach shall not be bound by oral statements made by any employee or agent concerning this Invitation to Bid. If Bidder requires specific information, Bidder must request it in writing and obtain a reply in writing from the City.

6. BRAND NAMES AND SPECIFICATIONS:

The detailed specifications and/or brand names stated are descriptive only and indicate quality, design and construction of items required. **Offers will be considered to supply articles substantially the same as those described herein but with minor variations. Bidders must describe variations in the Bid. Substitute items must be equal in quality, utility and performance. The phrase "or approved equal" throughout the specifications means that the City in its sole and absolute discretion shall make the final determination whether or not the substitute items are equal.**

7. AWARD:

Bid shall be subject to acceptance by the City for a period of three (3) months unless a lesser period is prescribed in the quotation by Bidder. The City reserves the right to award all items to one Bidder, or to award separate items or groups of items to various Bidders, or to increase or decrease the quantities of any item. Bidder may submit alternate prices or name a lump sum or discount conditional on two or more items being awarded to him.

The City's purchases of goods and services are based on the City's actual needs and requirements. The City is obligated under this contract/purchase order to purchase and pay for only those goods and services that the City needs and requires, and that the City actually orders and receives. Any dollar amount identified as a "not to exceed" amount in any City document is not a guaranteed payment amount to any contractor or service provider. Furthermore, the City may determine that its needs and requirements may be met by City labor or by a second contractor or service provider, even after an award is made to one contractor or service provider. An award is not a promise or guarantee of exclusivity.

Bidders are cautioned that comments and statements, whether oral or written, made by City employees regarding the validity of Bids, the waiver of deviations from Specifications, the possibility or probability of an award being made to a particular Bidder, and other similar matters are NOT binding on the City. Bidders should not order materials, obtain financing or take other actions based on such comments and statements. Only authorization of a Contract by the City Council or issuance of a Purchase Order is conclusive and binding on the City with respect to this Bid and its resulting Contract or Purchase Order. However, prior to authorization by the City Council or issuance of the Purchase Order, Bidders may rely on: (1) approval of an "equal" or "substitute" item which will be issued in writing, and (2) written notice of intent to award by the City Council, which is often issued prior to the authorization by the City Council so that a Bidder can order materials that have a long lead time.

8. PAYMENT:

Payment terms are NET/30 unless Bidder otherwise quotes. All Cash Discounts shall be taken and computed from the date of delivery or completion and acceptance of the material, or from date of receipt of invoice, whichever occurs last. Invoices must be submitted as specified at the time of shipping authorization. Partial payments may be made by the City on delivery & acceptance of goods and on receipt of goods and on receipt of Contractor's invoice.

In the event the Contract to be awarded hereunder, including specifications and other documents incorporated therein by reference, provides for the withholding of moneys by the City to ensure performance of such Contract, Contractor may deposit with the City, as a substitute for said withheld moneys, securities listed in Section 16430 of the California Government Code or bank or savings and loan certificates of deposit, or both, equivalent to the amount withheld, provided Contractor requests permission to make such substitution and bears all expenses in connection therewith.

9. SAFETY APPROVAL:

Where required by City Regulations, any items delivered must carry Underwriters Laboratories Approval or City of Long Beach City Safety Officer approval. Failure to so comply will be cause to reject Bid. Also, any equipment must conform with the Safety Orders of the California Division of Industrial Safety and OSHA regulations.

10. BUSINESS LICENSE:

The Long Beach Municipal Code (LBMC) requires all businesses operating in the City of Long Beach to pay a business license tax. In some cases, the City may require a regulatory permit and/or evidence of a State or Federal license. Prior to issuing a business license, certain business types will require the business license application and/or business location to be reviewed by the Development Services, Fire, Health, and/or Police Departments. For more information, go to www.longbeach.gov/finance/business_license.

INSTRUCTIONS TO BIDDERS

11. PUBLIC WORK AND PREVAILING WAGES:

The Contractor to whom the contract is awarded, along with its subcontractors, shall pay not less than the general prevailing rate of per diem, holiday and overtime wages established by the Department of Industrial Relations (DIR) of the State of California for the locality in which the public work is to be performed for each craft, classification or type of worker needed to execute the contract. Refer to the California DIR's website, <http://www.dir.ca.gov/dlcr> for such prevailing wages and additional information.

Ethnic Factors of Ownership: (more than 51%)
Black () American Indian ()
Hispanic () Other Non-white ()
Asian () Caucasian (✓)

Certified by: _____
Valid thru: _____
Dollar value of participation: \$ _____

The Director of Public Works of the City by and on behalf of the City Council has obtained from the Director of the Department of Industrial Relations of the State of California the general prevailing rate of per diem wages and the general prevailing rate of holiday and overtime work in the locality in which the public work is to be performed for each craft, classifications or type of workers needed to execute the Contract, and the same is on file with the City Engineer, 5th floor, City Hall, 411 W. Ocean Boulevard, Long Beach, California 90802. It shall be mandatory upon the Contractor to whom the Contract is awarded, and his Subcontractors to pay not less than the said prevailing rate of wages to all workers employed by Contractor or said Subcontractors in the execution of the Contract.

16. BID SUBMITTAL AND WITHDRAWAL OF BIDS:

Electronic Bids shall be submitted via the City's secure online bidding system. All required sections of the Bid must be submitted via the website. Bidder is solely responsible for "on time" submission of their electronic bid. The Bid Management System will not accept late bids and no exceptions shall be made. Bidders will receive an e-bid confirmation number with a time stamp from the Bid Management System indicating their bid was submitted successfully. The City will only receive those bids that were transmitted successfully.

Pricing shall be submitted electronically on the Line Items tab and all pages of the bid document shall be uploaded as a general attachment.

Bids may be withdrawn at any time prior to the bid due date via the Bid Management System.

In addition to the electronic submission, bidders shall submit the following original document(s) with wet signature(s) in a sealed envelope to the address shown below:

- 1. Original bid cover page
- 2. A notarized California All-Purpose Acknowledgement Form (for companies located outside the State of California)

12. RIGHT TO REJECT:

The City reserves the right to reject at any time any or all Bids, or parts thereof, and to waive any variances, technicalities and informalities which do not impair the quality, utility, durability or performance of the items.

SUBMIT TO:
CITY OF LONG BEACH
CITY CLERK –
411 W OCEAN BLVD/LOBBY LEVEL
LONG BEACH CA 90802

13. SAMPLES:

Samples of items when requested or required must be furnished to the City free of expense to the City and, if not destroyed by tests, will upon request be returned at Bidder's expense.

14. PRICES:

Prices shall be in accordance with those extended to other governmental agencies. In case of error in extension of prices, unit price will govern. All prices must be firm for the Contract term unless the City specifically provides for adjustment.

BID DUE DATE: November 18, 2021
TIME: 11:00 am

15. CITY'S POLICY FOR MINORITY AND WOMEN-OWNED BUSINESSES:

The City of Long Beach is committed to providing maximum opportunities for Disadvantaged, Minority, Women and Long Beach Business Enterprises (DBEs, MBEs, WBEs and Local) to compete successfully in supplying our needs for products and services.

IF BIDDER HAS ANY QUESTIONS REGARDING THIS INVITATION TO BID PLEASE CONTACT THE FOLLOWING CITY PERSONNEL.

Christina Sarmiento 582-570-7082
BUYER TELEPHONE NUMBER

SUBCONTRACTORS

To assist the City in maintaining records of its Minority and Women Outreach Program, Bidder is requested to provide the following information. Answers are optional, and failure to answer will not disqualify Bid. If additional space is required, Bidder shall attach a separate sheet.

The following Minority- or Woman-owned subcontractors are to be utilized to provide equipment, material, supplies and/or services for this Contract requirement:

Company Name: No subcontractors

Address: _____

Commodity/Service Provided: _____

Circle appropriate designation: MBE WBE

17. BID OPENING PROCEDURES:

All bids are publicly opened and will be posted on the City's online system at the date and time noted on the invitation to Bid.

Bid results are posted on the City's online system as soon as they have been reviewed for responsiveness. Bids are awarded to the lowest responsible and responsive bidder meeting the City's specifications. Bid results will not be given out via telephone, City email, or facsimile.

CAUTION: Only the City Council has authority to make an award, and a contract is not in effect until the City Council makes an award and contract documents (including insurance and bonds) are signed, submitted and approved.

Bid protest procedures may be obtained from the Buyer. Protests

INSTRUCTIONS TO BIDDERS

must be submitted within five (5) business days following the electronic notification of intent to award.

18. INTER-AGENCY PARTICIPATION:

IF OTHER AGENCIES EXPRESS AN INTEREST IN PARTICIPATING IN THIS BID, WOULD YOU SUPPLY THE SAME ITEMS.

YES NO

(If yes, any agency electing to participate in this Bid will order its own requirements without regard to the City of Long Beach. The City of Long Beach assumes no liability or payment guarantee on any units sold to participating agencies.)

19. AMERICANS WITH DISABILITIES ACT:

Contractor shall have and be allocated the sole responsibility to comply with the Americans with Disabilities Act of 1990 ("ADA") with respect to performance hereunder and contractor shall defend, indemnify and hold the City, its officials and employees harmless from and against any and all claims of failure to comply with or violation of the ADA as said claim relates to this Contract.

20. EQUAL BENEFITS ORDINANCE:

Bidders/Proposers are advised that any contract awarded pursuant to this procurement process shall be subject to the applicable provisions of Long Beach Municipal Code section 2.73 et seq., the Equal Benefits Ordinance. Bidders/Proposers shall refer to Attachment/Appendix for further information regarding the requirements of the Ordinance.

All Bidders/Proposers shall complete and return, with their bid/proposal, the Equal Benefits Ordinance Compliance form contained in the Attachment/Appendix. Unless otherwise specified in this procurement package, Bidders/Proposers do not need to submit supporting documentation verifying with their bids/proposals. However, supporting documentation verifying that the benefits are provided equally shall be required if the Bidder/Proposer that is selected for award of a contract.

CONTRACT – GENERAL CONDITIONS

1. Acceptance of the offer contained in this Contract is expressly limited to the terms and conditions of such offer as herein stated.
2. No charges for taxes, transportation, boxing, packaging, crating or returnable containers will be allowed and paid by the City unless separately stated hereon. All sales, use, excise or similar taxes to be paid by the City must be itemized separately hereon and on invoices. The City is exempt from payment of Federal Excise Tax under Certificate No. 95-73 0502K and none shall be charged to the City.
3. The City's obligation to pay the sum herein stated for any one fiscal year shall be contingent upon the City Council of the City appropriating the necessary funds for such payment by the City in each fiscal year during the term of this Contract. For the purposes of this section a fiscal year commences on October 1 of the year and continues through September 30 of the following year. In the event that the City Council of the City fails to appropriate the necessary funds for any fiscal year, then, and in that event, the Contract will terminate at no additional cost or obligation to the City.
4. Contractor shall deliver the materials, equipment, supplies or services, or cause the work to be performed, within the time and in the manner specified in the Contract. Times and dates stated herein are of the essence. If at any time Contractor has reason to believe that deliveries will not be made as scheduled, written notice setting forth the cause of the anticipated delay shall be given immediately to the City. Deliveries must be prepaid. C.O.D. shipments will not be accepted.
5. The City reserves the right at any time to make changes in drawings and specifications, in methods of shipment and packaging and in place of delivery as to any articles covered by this Contract. In such event there will be made an equitable adjustment in price and time of performance mutually satisfactory to Contractor and the City; but any claim by Contractor for such an adjustment must be made within thirty (30) days of such change.
6. Contractor warrants that the goods, machinery or equipment delivered or the work performed hereunder shall conform to the specifications, drawings, samples or other description specified by the City and shall be fit and sufficient for the purpose intended, merchantable, of good material and workmanship, in good working order and free from defect or faulty workmanship for a period of ninety (90) days. When defective goods, machinery, or equipment or faulty workmanship is discovered which requires repair or replacement pursuant to this warranty, Contractor shall provide all labor, materials, parts and equipment to correct such defect at no expense to the City.
7. Contractor shall indemnify, protect and hold harmless City, its Boards, Commissions, and their officials, employees and agents ("Indemnified Parties"), from and against any and all liability, claims, demands, damage, loss, obligations, causes of action, proceedings, awards, fines, judgments, penalties, costs and expenses, including attorneys' fees, court costs, expert and witness fees, and other costs and fees of litigation, arising or alleged to have arisen, in whole or in part, out of or in connection with (1) Contractor's breach or failure to comply with any of its obligations contained in this Contract, including any obligations arising from the Contractor's compliance with or failure to comply with applicable laws, including all applicable federal and state labor requirements including, without limitation, the requirements of California Labor Code section 1770 et seq. or (2) negligent or willful acts, errors, omissions or misrepresentations committed by Contractor, its officers, employees, agents, subcontractors, or anyone under Contractor's control, in the performance of work or services under this Contract (collectively "Claims" or individually "Claim").

In addition to Contractor's duty to indemnify, Contractor shall have a separate and wholly independent duty to defend Indemnified Parties at Contractor's expense by legal counsel approved by City, from and against all Claims, and shall continue this defense until the Claims are resolved, whether by settlement, judgment or otherwise. No finding or judgment of negligence, fault, breach, or the like on the part of Contractor shall be required for the duty to defend to arise. City shall notify Contractor of any Claim, shall tender the defense of the Claim to Contractor, and shall assist Contractor, as may be reasonably requested, in the defense.

If a court of competent jurisdiction determines that a Claim was caused by the sole negligence or willful misconduct of Indemnified Parties, Contractor's costs of defense and indemnity shall be (1) reimbursed in full if the court determines sole negligence by the Indemnified Parties, or (2) reduced by the percentage of willful misconduct attributed by the court to the Indemnified Parties.

If the Contractor elects to use subcontractors, Contractor agrees to require its subcontractors to indemnify Indemnified Parties and to provide insurance coverage to the same extent as Contractor. The provisions of this Section shall survive the expiration or termination of this Contract.
8. The City reserves the right to terminate this Contract at any time in whole or in part even though Contractor is not in default hereunder. In such event there will be made an equitable adjustment of the terms that is mutually satisfactory to the City and Contractor. Upon receipt of any notice of such termination, Contractor shall, unless such notice otherwise directs, immediately discontinue all work on the Contract and deliver, if and as directed, to the City all completed and partially completed articles, work in process and materials purchased or acquired for performance of the Contract. The provisions of this section shall not limit or affect the right of the City to terminate this Contract immediately upon written notice of breach.

CONTRACT – GENERAL CONDITIONS

9. The City reserves the right to cancel this Contract or any part thereof and reject delivery of goods if delivery is not undertaken and completed when specified and in accordance with specifications. Contractor shall be charged for any direct losses, but not any consequential damages, sustained by the City by reason of such delay or failure, excepting losses caused by a delay for reasons beyond Contractor's reasonable control. Direct losses shall include any costs to the city in excess of the Contract price of obtaining goods from other sources similar to those cancelled or rejected hereunder.
10. The City shall pay to Contractor the price(s) specified in the Contract on delivery of the materials, equipment, supplies or services and acceptance thereof by the City Manager or his designee, or upon completion of the work to be performed and accepted thereof, as specified in the Contract. Defective articles or articles not in accordance with the City's specifications shall be held for Contractor's instructions at Contractor's risk, and if Contractor so directs will be returned at Contractor's expense.
11. No return or exchange of material, equipment or supplies shall be permitted without written approval of the City Purchasing Agent.
12. All royalties for patents, or changes for the use of patents, which may be involved in any article to be furnished under this Contract shall be included in the Contract price.
13. In cases where a price subject to escalation has been agreed upon, the price escalation shall be shown as a separate item on the invoice. Unless an escalator clause has been shown as a specific part of this Contract Contractor shall not be entitled to reimbursement for costs incurred due to escalation.
14. All materials, supplies and equipment provided under this Contract shall be in full compliance with the Safety Orders and Regulations of the Division of Industrial Safety of the State of California, Title 8, California Code of Regulations (CAL/OSHA) and all applicable OSHA regulations as well as all other applicable California Code of Regulations. Contractor shall indemnify and hold the City, its officials, and employees harmless for, of and from any and all loss, including but not limited to fines, penalties and corrective measures, the City may sustain by reason of Contractor's failure to comply with said laws, rules and regulations in connection with the performance of this Contract.
15. Contractor shall keep confidential and not disclose to others or use in any way to the detriment of the City confidential business or technical information that the City may disclose in conjunction with this Contract or Contractor may learn as a result of performing this Contract.
16. This Contract shall not be assigned in whole or in part, nor any duties delegated without the City's prior written approval.
17. The remedies herein reserved shall be cumulative and additional to any other remedies at law or in equity. The waiver of any breach of this Contract shall not be held to be a waiver of any other or subsequent breach. The City's failure to object to provisions contained in any communication from Contractor shall not be deemed an acceptance of such provisions or a waiver of the provisions of this Contract.
18. This Contract shall not be amended or modified, except by written agreement signed by the parties and expressly referring to this Contract.
19. Contractor shall indemnify, hold harmless and defend the City, its officials and employees from any damage, claim, loss, cost, liability, cause of action or expense, including reasonable attorney's fees, whether or not reduced to judgment, arising from any infringement or claimed infringement of any patent, trademark or copyright, or misappropriation of confidential information or trade secrets of any third party and based on the manufacture, sale or use of goods, machinery or equipment supplied hereunder.
20. Contractor shall furnish further itemization and breakdown of the Contract price when requested by the City.
21. Contractor, in the performance of any work or the furnishing of any labor under this Contract, shall be considered as an independent contractor. Contractor, his agents and employees shall not be considered as employees of the City.
22. Contractor and subcontractor(s) shall not discriminate against any person in the performance of this Contract and shall comply with applicable federal, state and city equal employment opportunity laws, ordinances, rules and regulations. Contractor and subcontractor(s) shall not discriminate against any employee or applicant for employment or against any subcontractor on the basis of race, color, religion, national origin, sex, sexual orientation, AIDS, HIV status, age, disability, or handicap, subject to federal and state laws, rules and regulations.
23. Contractor shall comply with all applicable federal, state and local laws pertaining to the subject matter hereof.
24. Contractor shall submit samples of all documents that Contractor may require the City to execute to complete this transaction. By accepting these samples as part of the bid or by awarding the Contract to a Contractor who has submitted said samples, the City

CONTRACT – GENERAL CONDITIONS

does not agree to the terms stated in said samples. This Invitation to Bid and Contractor's bid shall take priority over said samples and this Invitation and Contractor's bid shall become the Contract between the City and the Contractor.

25. All quantities stated herein are only ESTIMATES. The City reserves the right to increase or decrease these estimated quantities based on its actual needs and funds available.
26. The City reserves the right to exercise, at its option, an increase in expenditures by ten (10) percent annually, but the City does not guarantee such an increase.
27. Contractor shall cooperate with the City in all matters relating to taxation and the collection of taxes, particularly with respect to the self-accrual of use tax. Contractor shall cooperate as follows: (i) for all leases and purchases of materials, equipment, supplies or other tangible personal property totaling over \$100,000 shipped from outside California, a qualified Contractor shall complete and submit to the appropriate governmental entity the form in Appendix "A" attached hereto; and (ii) for construction contracts and subcontracts totaling \$5,000,000 or more, Contractor shall obtain a sub-permit from the California Board of Equalization for the Work site. "Qualified" means that the Contractor purchased at least \$500,000 in tangible personal property that was subject to sales or use tax in the previous calendar year.

In completing the form and obtaining the permit(s), Contractor shall use the address of the Work site as its business address and may use any address for its mailing address. Copies of the form and permit(s) shall also be delivered to the Purchasing Agent. The form must be submitted and the permit(s) obtained as soon as Contractor receives a notice of award. Contractor shall not order any materials or equipment over \$100,000 from vendors outside California until the form is submitted and the permit(s) obtained and, if Contractor does so, it shall be a material breach of the Agreement. In addition, Contractor shall make all purchases from its Long Beach sales office and the Long Beach sales office of its vendors if those vendors have a Long Beach office and all purchases made by Contractor under this Agreement which are subject to use tax of \$500,000 or more shall be allocated to the City of Long Beach. Contractor shall require the same form and permit(s) from its subcontractors.

Contractor shall not be entitled to and by signing this Contract waives any claim or damages for delay against City if Contractor does not timely submit these forms to the appropriate governmental entity. Contractor may contact Julissa Jose-Murray at 562-570-6869 for assistance with the form.

28. The California Integrated Waste Management Act (Public Resources Code, Sec. 40000 et seq.) requires governmental entities to achieve fifty (50) percent diversion of waste. In conjunction with the City's Integrated Resources Bureau, the City is currently developing an Environmentally Preferable Product (EPP) procurement plan. These guidelines enable the City Purchasing Agent to greatly expand procurement programs by moving beyond a singular consideration of "recycled-content". EPP procurement facilitates the purchase of products that qualify within a broad range of "environmentally preferable" criteria, such as: minimal packaging; energy savings; non-toxic; manufactured from sustainably-harvested materials. Contractor shall monitor products that fall within the EPP guidelines and document all criteria that qualifies the product as an EPP. Documentation from the manufacturer will be acceptable and may be required during the term of the Contract.
29. This Contract shall be construed in accordance with the laws of the State of California, and the venue for any legal actions brought by any party with respect to this Agreement shall be the County of Los Angeles, State of California for state actions and the Central District of California for any federal actions.
30. **NOTICE TO BIDDERS REGARDING THE PUBLIC RECORDS ACT:**
Responses to this Invitation to Bid become the exclusive property of the City of Long Beach. All Bids submitted in response to this Invitation to Bid are a matter of public record and shall be regarded as public records. Exceptions will be only those elements in each Bid that are defined by the Bidder as business or trade secrets and are marked as "Trade Secrets", "Confidential" or "Proprietary".

The City shall not be liable or responsible in any way for disclosure of any records not marked as "Trade Secrets", "Confidential" or "Proprietary". The City shall not be liable or responsible in any way for disclosure of any records so marked if disclosure is deemed to be required by law or by a court order.

31. **NOTE: FAILURE TO COMPLY WITH THESE ADDITIONAL CONDITIONS WILL DISQUALIFY A BIDDER. NOTICE OF INTENTION TO APPLY FOR WAIVER OF ALL OR A PORTION OF THESE INSURANCE REQUIREMENTS MUST BE IN COMPLIANCE WITH CITY OF LONG BEACH ADMINISTRATIVE REGULATION 8-27 (AR 8-27). NOTE THAT COMPLIANCE WITH THE CITY'S INDEMNIFICATION IS MANDATORY FOR A RESPONSIVE BIDDER.**

THE FOLLOWING ADDITIONAL CONDITIONS APPLY TO ALL BIDS:

INSURANCE: As a condition precedent to the effectiveness of this Contract, Contractor shall procure and maintain at its expense, until completion of performance and acceptance by City, from an insurer admitted (licensed) in the State of California with a current

CONTRACT – GENERAL CONDITIONS

financial responsibility rating of A (Excellent) or better and a current financial size category (FSC) of V (capital surplus and conditional surplus funds of greater than \$10 million) or greater rating as reported by A.M. Best Company or equivalent, unless waived in writing by City's Risk Manager, or non-admitted in the State of California with a current financial responsibility rating of A (Excellent) or better and a current financial size category (FSC) of VIII (capital surplus and conditional surplus funds of greater than \$100 million) or greater rating as reported by A.M. Best Company or equivalent, unless waived in writing by City's Risk Manager.

- (a) Commercial general liability insurance or self-insurance equivalent in coverage scope to ISO CG 00 01 10 93 naming the **City of Long Beach, and its boards, officials, employees, and agents** as additional insureds on a form equivalent in coverage scope to ISO CG 20 10 11 85 from and against claims, demands, causes of action, expenses, costs, or liability for injury to or death of persons, or damage to or loss of property arising out activities performed by or on behalf of the Contractor in an amount not less than One Million Dollars (US \$1,000,000) per occurrence and Two Million Dollars (US \$2,000,000) in general aggregate.
- (b) Workers' compensation coverage as required by the Labor Code of the State of California and Employer's liability insurance with minimum limits of One Million Dollars (US \$1,000,000) per accident or occupational illness. The policy shall be endorsed with a waiver of the insurer's right of subrogation against the **City of Long Beach, and its boards, officials, employees, and agents**.
- (c) Automobile liability insurance equivalent in coverage scope to ISO CA 00 01 06 92 in an amount not less than Five Hundred Thousand Dollars (US \$500,000) combined single limit (CSL) per accident for bodily injury and property damage covering Symbol 1 ("all autos").

Any self-insurance program or self-insurance retention must be approved separately in writing by the City's Risk Manager or designate and shall protect the **City of Long Beach, and its boards, officials, employees, and agents** in the same manner and to the same extent as they would have been protected had the policy or policies not contained retention provisions. Each insurance policy shall be endorsed to state that coverage shall not be suspended, voided, or canceled by either party except after thirty (30) days prior written notice to the City of Long Beach, and shall be primary and not contributing to any other insurance or self-insurance maintained by the City of Long Beach.

Any subcontractors of all tiers which Contractor may use in the performance of this Contract shall be required to maintain insurance in compliance with the provisions of this section. The additional insured endorsement form number applicable to subcontractors with respect to the general liability insurance shall be the ISO CG 20 26 11 85 form or its equivalent.

Contractor shall deliver to the City of Long Beach certificates of insurance and original endorsements for approval as to sufficiency and form prior to the start of performance hereunder. The certificates and endorsements for each insurance policy shall contain the original signature of a person authorized by that insurer to bind coverage on its behalf. "Claims-made" policies are not acceptable unless the City's Risk Manager determines that "Occurrence" policies are not available in the market for the risk being insured. In a "Claims-made" policy is accepted, it must provide for an extended reporting period of not less than one hundred eighty (180) days. Such insurance as required herein shall not be deemed to limit Contractor's liability relating to performance under this Contract. The City of Long Beach reserves the right to require complete certified copies of all said policies at any time. Any modification or waiver of the insurance requirements herein shall be made only with the approval of the City's Risk Manager. The procuring of insurance shall not be construed as a limitation on liability or as full performance of the Indemnification provisions of this Contract.

To the extent more stringent insurance requirements apply in accordance with the City of Long Beach's Administrative Regulation 8-27 (AR 8-27) and its amendments, the currently in-force AR 8-27 regulations and requirements supersede and replace any insurance requirements stated herein.

INDEMNITY: To the extent allowed by law, Contractor shall defend, indemnify, and hold harmless the City, its Commissions and Boards, and their officials, employees, and agents from and against any and all demands, claims, causes of action, liability, loss, liens, damage, costs, and expenses (including attorney's fees) arising from or in any way connected or alleged to be connected with Contractor's performance of the performance under the Contract or the work under or related to the Contract and from any act or omission, willful misconduct, or negligence (active or passive) by or alleged to be by Contractor, its employees, agents, or subcontractors either as a sole or contributory cause, sustained by any person or entity (including employees or representatives of City or Contractor). The foregoing shall not apply to claims or causes of action caused by the sole negligence or willful misconduct of the City, its Commissions and Boards, or their officials, employees, or agents.

In addition to Contractor's duty to indemnify, Contractor shall have a separate and wholly independent duty to defend Indemnified Parties at Contractor's expense by legal counsel approved by City, from and against all Claims, and shall continue this defense until the Claims are resolved, whether by settlement, judgment or otherwise. No finding or judgment of negligence, fault, breach, or the like on the part of Contractor shall be required for the duty to defend to arise. City shall notify Contractor of any Claim, shall tender the defense of the Claim to Contractor, and shall assist Contractor, as may be reasonably requested, in the defense.

If a court of competent jurisdiction determines that a Claim was caused by the sole negligence or willful misconduct of Indemnified Parties, Contractor's costs of defense and indemnity shall be (1) reimbursed in full if the court determines sole negligence by the Indemnified Parties, or (2) reduced by the percentage of willful misconduct attributed by the court to the Indemnified Parties.

CONTRACT – GENERAL CONDITIONS

The provisions of this Section shall survive the expiration or termination of this contract.

THE FOLLOWING ADDITIONAL CONDITIONS APPLY ONLY IN CASES WHERE CONTRACTOR IS TO PERFORM WORK FOR THE CITY OR ON CITY PROPERTY:

Before execution of a Contract, the bidder shall file two surety bonds with the City of Long Beach subject to the approval of the City Engineer and City Attorney. The bonds shall be on forms provided by the City or acceptable to the City Attorney. The Payment Bond (Material and Labor Bond) shall satisfy claims of material suppliers and mechanics and laborers employed by the contractor on the Work. This bond shall be maintained by the contractor in full force and effect until the work is accepted by the City of Long Beach and until all claims for materials and labor are paid, and shall otherwise comply with the Civil Code. The Performance Bond shall guarantee faithful performance of all work within the time and manner prescribed, free from original or developed defects. This bond shall remain in effect as prescribed within the Contract, until the end of all warranty periods.

If at any time during the progress of the Work, Contractor shall allow any indebtedness to accrue for labor, equipment or materials, or which may become a claim against the City, Contractor shall immediately upon request from the City pay such claim or indebtedness or cause such lien to be dissolved and discharged by giving a bond or otherwise and, in case of his failure so to do, the City may withhold any money due Contractor until such claim or indebtedness is paid or may apply such money toward the discharge thereof; or in such event the City may, at its option, declare this Contract to be terminated, take possession and control of the Work, and complete the same or cause the same to be completed according to the specifications. Contractor shall pay to the City the difference between the Contract price and the actual cost to the City in completing or causing the Work to be completed.

Contractor shall carry on the Work at its own risk until the same is fully completed and accepted and shall, in case of any accident, destruction or injury to the Work or materials before its final completion and acceptance, repair or replace the Work or materials so injured, damaged and destroyed, at his own expense and to the satisfaction of the City. When materials and equipment are furnished by others for installation or erection by Contractor, Contractor shall receive, unload, store and handle same at the Site and become responsible therefore as though such materials and equipment were being furnished by Contractor under the Contract.

Contractor shall list the name and location of the place of business of each Subcontractor who will perform work, labor or services for Contractor, or who specially fabricates and installs a portion of the Work or improvement in an amount in excess of one-half of one percent of Contractor's total contract cost. The Subcontractor list shall be submitted with Contractor's Bid.

PROJECT OVERVIEW

The City of Long Beach is soliciting bids for furnishing and delivering pool chemicals, supplies and services for the Department of Parks, Recreation and Marine, in accordance with Department needs and/or fund availability.

BID TIMELINE – All times are Pacific Time

Bid release date:	October 25, 2021
Questions due:	November 4, 2021
Response from City to bidder:	November 11, 2021
Bid due date:	November 18, 2021

BID SUBMISSION INSTRUCTIONS:

It is recommended that bidders visit the City's website www.longbeach.gov/purchasing on a regular basis for any addenda to the bid.

The following documents shall be submitted as general attachments. Bidders that do not include these items will be deemed non-responsive and their bids will be rejected.

Both Electronic and Hard Copies:

- _____ Bid Cover Page (signed and dated)
- _____ California All Purpose Acknowledgment, Notarized (if applicable)

Electronic Copies:

- _____ Debarment Certification Form (Attachment A)
- _____ Reference List (Attachment B)
- _____ W-9 Form (Attachment C) signed and dated
- _____ Equal Benefits Ordinance (EBO) (Attachment D) signed and dated
- _____ Insurance Requirement (Attachment E) signed and dated
- _____ Secretary of State Certification Print-Out (Attachment F)
- _____ Designation of Subcontractors Form (Attachment G)
- _____ Local Preference Form (Attachment H) signed and dated
- _____ Vendor Information Form (Pages 22-23)
- _____ Contractor's State License Board (CSLB) Print-Out (if applicable)
- _____ Current Price List (CPL) (if applicable)
- _____ Online ordering information (if applicable)
- _____ Material Safety Data Sheets (MSDS) (if applicable)
- _____ Any addenda (if applicable)

METHOD OF SUBMISSION:

Electronic Bids shall be submitted via the City's secure online bidding system. All required sections of the Bid must be submitted via the website. Bidder is solely responsible for "on time" submission of their electronic bid. The Bid Management System will not accept late bids and no exceptions shall be made. Bidders will receive an e-bid confirmation number with a time stamp from the Bid Management System

BID NUMBER ITB PR 22-001

indicating that their bid was submitted successfully. The City will only receive those bids that were transmitted successfully.

When bids on certain items are labeled "optional", bidders shall indicate "no bid" or "N/A" in the space provided for an item for which no bid is being offered.

Bid cover page shall be signed in ink and included with all pages of the electronic bid submission as a general attachment. Digital and stamped signatures shall not be accepted. Please see Instructions Concerning Signatures on page 2.

Pricing shall be submitted electronically on the Line Items tab.

Submit bid online at: <http://www.planetbids.com/portal/portal.cfm?CompanyID=15810>

In addition to the electronic submission, bidders shall submit the following original document(s) with wet signature(s) in a sealed envelope to the address shown below, BY MAIL ONLY:

1. Original bid cover page
2. A notarized California All-Purpose Acknowledgement Form (for all companies located outside the State of California)

City of Long Beach
C/O City Clerk
Attn: Christina Sarmiento
411 West Ocean Boulevard, Lobby Level
Long Beach, CA 90802

Documents shall be clearly labeled in a sealed envelope or box as follows:

ITB PR 22-001 Pool Chemicals, Supplies & Services

Electronic Bids and required hard copy forms must be received by 11:00 AM Pacific Time, November 18, 2021. Bids and required hard copy forms that do not arrive by the specified date and time WILL NOT BE ACCEPTED. Bidders may submit their bid any time prior to the above stated deadline.

Note: E-Bids are sealed and cannot be viewed by the City until the closing date and time. If you need to withdraw your bid, you may do so any time before the bid deadline, by going back into the system and selecting "withdraw".

All questions must be submitted in writing and emailed to purchasingbids@longbeach.gov ATTN: Christina Sarmiento with the bid number in the subject line of the email message. Questions are due in writing by 11:00 AM PT on November 4, 2021.

REFERENCES

Bidder shall furnish a list of five (5) current customers, including company name, street address, telephone number and contact person, for whom Bidder has provided similar items and quantities. The City intends to contact these customers to determine product reliability, performance and other

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information. Failure to include customer's references will result in rejection of bids. See Reference Information Form (**Attachment B**).

AWARD

The City prefers to award to a single contractor but reserves the right to award contracts to multiple vendors. The City reserves the right in its sole discretion to award all items to one bidder, or to award separate items or groups of items to various bidders, or to increase or decrease the quantities of any item. The City reserves the right to reject at any time any or all bids.

RIGHT TO REJECT BID

The City reserves the right, in its discretion, to reject any and all Bids and, to the extent not prohibited by law, to waive any minor irregularity or informality in any Bid that does not affect the validity of the Bid or does not give the bidder a competitive advantage over other bidders.

BID PROTEST PROCEDURES

Who May Protest

Only a bidder who has actually submitted a bid proposal is eligible to protest a bid. The City will not accept or entertain bid protests from manufacturers, vendors, suppliers, subcontractors or the like. A bidder may not rely on the bid protest submitted by another bidder, but must timely pursue its own protest.

Time for Protest

A bidder desiring to protest a bid shall file the protest within five (5) business days of the electronic notification of intent to award. The City Purchasing Agent must receive the protest by the close of the business on the fifth (5th) business day following posting of notification of intent to award the contract.

Form of Protest

The protest must be in writing and signed by the individual who signed the bid or, if the bidder is a corporation, by an officer of the corporation, and addressed to the City Purchasing Agent. A protest shall not be made by e-mail or fax and the City will not accept such. A protest must set forth a complete and detailed statement of the grounds for the protest and include all relevant information to support the grounds stated, must refer to the specific portion(s) of the contract documents upon which the protest is based, and shall include a valid e-mail address, street address, and phone number sufficient to ensure the City's response will be received.

Once the protest is received by the City Purchasing Agent, the City will not accept additional information on the protest unless the City itself requests it. In that case, the additional information must be submitted within three (3) business days after the request is made and must be received by the City Purchasing Agent by the close of the business on the third (3rd) business day.

The City Purchasing Agent or designee will respond, by e-mail or regular mail to the addresses provided in the protest, with a decision regarding the protest within five (5) business days following receipt of the protest or, if applicable, the receipt of requested additional information.

The decision of the City Purchasing Agent shall be final and conclusive.

BID NUMBER ITB PR 22-001

The procedure and time limits set forth herein are mandatory and are the bidder's sole and exclusive remedy in the event of bid protest. The bidder's failure to comply with these procedures shall constitute a waiver of any right to further pursue a bid protest, including filing a Government Code Claim or initiation of legal proceedings.

BOND PROVISIONS

Not applicable.

ADDITIONAL REQUIREMENTS FROM FUNDING SOURCE

Not applicable.

EQUAL BENEFITS ORDINANCE

The City of Long Beach's Equal Benefits Ordinance (EBO) shall apply to this bid. Please visit the City's website at http://www.longbeach.gov/finance/business_relations/default.asp for additional details, or to obtain a copy of the ordinance. EBO is applicable for contracts over \$100,000. See **Attachment D**.

REGISTRATION WITH CALIFORNIA SECRETARY OF STATE WEBSITE

Awarded vendors/contractors must be registered with the California Secretary of State prior to contract execution, see **Attachment F**. Submission of Attachment F with the bid is not mandatory; however, if the vendor has already filed, a printout of your business entity from the website may be included. For more information, please consult: <https://businesssearch.sos.ca.gov/>.

INSURANCE

See Requirements on page 9, Section 31 and **Attachment E**.

LOCAL PREFERENCE

Local preference shall apply to this bid, see **Attachment H**.

LICENSES

Contractor's License

The undersigned hereby declares that he/she is a Contractor and has been in business for 57 years; has a valid State of California Contractor's License sufficient to qualify as a Contractor in this case and a current City of Long Beach Business License.

Those Contractors bidding on **Option 3 – Services** shall hold a valid **C-61/D-35 Pool and Spa Maintenance** Contractor's license at the time of bid submission.

California's Contractor's License No.: 263844 Expires 12/22

Classification(s) C53 C61/D35

Bidder shall include a copy of their Contractor's license or printout from the California Contractor's website showing a valid license at www.cslb.ca.gov with their bid.

All permits and licenses necessary to the performance of installation of maintenance pool parts and equipment shall be secured by the Contractor at the Contractor's own expense.

Long Beach Business License

The Long Beach Municipal Code (LBMC) requires all businesses operating in the City of Long Beach to pay a business license tax. In some cases, the City may require a regulatory permit and/or evidence of a State or Federal license. Prior to issuing a business license, certain business types will require the business license application and/or business location to be reviewed by the Development Services, Fire, Health, and/or Police Departments.

For more information, go to: www.longbeach.gov/finance/business_license.

In accordance with Municipal Code (Section 3.80.210) a business license is required under the following conditions:

- A) If you are providing a service in Long Beach
- B) If you are providing and delivering a product in Long Beach,

For more information, contact the Business License Section at 562-570-6211 or by e-mail to lbbiz@longbeach.gov.

Long Beach Business License Number:

BU20308370

(Only Required Upon Notification of Award)

CONTRACT PERIOD

The Contract term shall be twenty-four (24) months from the date of award unless the City determines, in its sole discretion, that a later commencement date is necessary, in which case the City will notify the Bidder of such date upon award of the Contract. This Contract may be extended by mutual agreement for up to three additional one (1) year periods each in accordance with terms and conditions stated herein.

RENEWALS/EXTENSION OPTION

This Contract is subject to extension for three additional one (1) year periods from the date of expiration of this Contract, at the option of the City in accordance with the option granted in your bid. It is agreed that, if the City intends to renew this Contract, the City shall so notify the Contractor 90 days prior to the expiration date. The Contractor shall be required to submit any proposed price increases to the City Purchasing Agent for approval at least 60 days prior to expiration of the Contract. Said notice shall show the item number, description, current price, new price, and percentage change in price for each line item. The City reserves the right to accept or reject any price increase, and to cancel the renewal notice if price increases are not acceptable.

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Requests for rate changes shall be considered at the time of each renewal but shall not exceed the most recent available month for the Los Angeles-Long Beach Beach/Anaheim, CA Consumer Price Index (CPI) for All Urban Consumers.

PRICING

No "minimum orders" will be permitted. Bids indicating a minimum order will be rejected.

Pricing shall be fixed during the first 24 months of the Contract, with the option for a price increase during the renewal periods.

ADDITIONAL CHARGES

Bidder shall not charge any fees or charges for restocking or service fees for incorrect items, defective items, minimum orders, deliveries, pick-ups, disposals, environmental fees, fuel surcharges, etc.

FUTURE AMENDMENTS

The City reserves the right to change any portion of the work required, to add and/or delete items, or amend such other terms and conditions that may become necessary. Any such revisions shall be accomplished by written amendment to the contract and executed by the Contractor and the City.

VALIDITY

The invalidity, unenforceable or illegality of any provision of the contract shall not render the other provisions invalid, unenforceable, or illegal.

ADEQUATE STOCK

A positive guarantee must be made by the awarded Contractor that a complete stock of materials will be available at their facility in or near the City of Long Beach for immediate pick-up by authorized City personnel or delivery to any determined site within the City.

DELIVERY REQUIREMENT

Contractor must be able to provide bulk delivery of liquid chlorine and muriatic acid to the City's storage containers in quantities up to 300 gallons each on an as-needed basis (i.e. weekly, bi-weekly, monthly). **Bulk quantities shall be delivered by tanker.** All delivery points are accessible by truck.

Chemicals and supplies shall be delivered to the locations listed below between the hours of 7:30 am and 4:00 pm, Monday through Friday, **FOB Destination** City of Long Beach. Delivery locations and City contacts will be specified in each purchase order. On-site supervision may coordinate with Contractor to adjust delivery schedule when and if necessary.

Pool 1 – Belmont Plaza Pool

Address: 4320 Olympic Plaza, Long Beach, CA 90803

Phone: (562) 570-1809

Tanks: One (1) 500-gallon chlorine tank & one (1) 100-gallon chlorine tank

Delivery Schedule:

- Chlorine every Thursday
- Acid on request, as-needed

Pool 2 – King Park Pool

Address: 1910 Lemon Avenue, Long Beach, CA 90806

Phone: (562) 570-1718

Tanks: One (1) 200-gallon chlorine tank

Delivery Schedule:

- Chlorine on Wednesdays, as requested
- Acid (15-gallon carboys) on request, as-needed

Pool 3 – Silverado Pool

Address: 1540 W 32nd Street, Long Beach, CA 90810

Phone: (562) 570-1885

Tanks: One (1) 200-gallon chlorine tank

Delivery Schedule:

- Chlorine on Mondays, as requested
- Acid on request, as-needed

Contractor shall deliver all chemicals and/or maintenance parts within five (5) business days after receipt of order. The City reserves the right to determine award based on delivery time quoted.

SUBCONTRACTING

No performance of this contract or any portion thereof may be assigned or subcontracted by Contractor without the express written consent of the City. Any attempt by the Contractor to assign or subcontract any performance of the terms of this contract without said consent shall be null and void and shall constitute a default under this contract. In the event of such a default, the City may immediately terminate this contract.

In the event the City consents to assignment or subcontracting, each term and condition of this contract shall be binding on the assigns, successors or administrators of the respective parties.

In the event the City consents to subcontracting, the Contractor shall include in all subcontracts the following provision: "This contract is a subcontract under the terms of a prime contract with the City of Long Beach. All provisions of that prime contract shall apply to this subcontract."

The Contractor and all subcontractors must obtain and maintain in effect a valid City of Long Beach Business License prior to commencement of work, and during the entire time that work is being performed under the contract. All permits and licenses necessary to the performance of carpet replacement shall be secured by the Contractor at the Contractor's own expense. The Contractor shall pay all taxes properly assessed against any equipment or property used or required in connection with the performance of security services.

Bidder shall list the name and location of the place of business of each Subcontractor who will be a supplier/perform work for the bidder in an amount in excess of one-half of one percent of the bidder's total Purchase Order cost. The Subcontractor list of all known Subcontractors shall be submitted with the bidder's bid (**Attachment G**).

Does this bid include the use of subcontractors?

Yes _____ No Initials TRB

If Yes, vendor must:

- a) Identify specific subcontractors and the specific requirements of this bid for which each proposed subcontractor will perform services in **Attachment G**.
- b) References as specified on **Attachment B** must also be provided for any proposed subcontractors.
- c) The City requires that the awarded vendor provide proof of payment of any subcontractors used for this project. Bids shall include a plan by which the City will be notified of such payments.
- d) Primary Contractor shall not allow any subcontractor to commence work until all insurance required of subcontractor is obtained. Subcontractors shall abide by the same Insurance Requirements on Page 9, Section 31 and **Attachment E**.

Contractor shall indemnify, defend, and hold harmless the City and its employees and agents from any and all liability arising or resulting from the employment of any subcontractors and their employees in the same manner as for Contractor's own employees.

COMPLIANCE WITH LAWS

Contractor shall keep fully informed, and shall at all times observe and comply with all laws, ordinances, regulations, orders, and decrees of bodies or tribunals having any jurisdiction or authority that affect those employed hereunder, and the Contractor's performance.

If any discrepancy or inconsistency in relation to any such law, ordinance, regulation, order, or decree should be discovered in the contract, or which may become effective before the expiration of the contract, the Contractor shall report the same in writing to the City.

INDEPENDENT CONTRACTOR

The Contract between City and Contractor is not intended and shall not be construed to create the relationship of principal agent, servant, employee, partnership, joint venture, or other association, as between the City and Contractor. The Contractor understands and agrees that all persons furnishing services to the City pursuant to this Contract are, for purposes of worker's compensation, employees solely of Contractor and not of the City. The Contractor shall bear the sole liability for furnishing worker's compensation benefits to any person for injuries arising from or connected with services provided to the City hereunder.

NON-INTERFERENCE

The Contractor shall not interfere with the public use of the sites and shall conduct its operations so as to offer the least possible obstruction and inconvenience to City employees and the public or disruption to the peace and quiet of the area within which the services are performed.

CONTRACTOR PERFORMANCE

Contractor may be ruled "non-responsible" based upon contractor's unacceptable past performance which may include, but is not limited to: late/non deliveries; partial deliveries; delivery of wrong materials; products not meeting specifications; substitution of product without authorization; providing incorrect prices; or invoicing problems.

UNIFORMS

Contractor's employees shall be required to wear uniforms bearing the company name while on the premises. Contractor shall be responsible for the cost of providing each employee with complete uniforms to include pants, shirts and shoes.

SAFETY PRECAUTIONS

Contractor shall provide, at its own cost and expense, all other equipment for performing work at all job sites. Contractor shall at all times ensure the safety of the public, City employees, elected and appointed officials, and others, by posting safety warning signs, safety tape, barricades, traffic cones, or other warning devices around job sites prior to and during the performance of work. Contractor's personnel must wear personal protective equipment at all times when performing work. In all situations, the Contractor must conform to all Occupational Safety and Health Administration (OSHA) and Industrial Safety Order rules and regulations while performing services.

DAMAGE CAUSED BY THE CONTRACTOR

If the Contractor, its employees, subcontractors, or anyone performing work under the Contract on the Contractor's behalf causes damage to any City facility, then the Contractor shall repair such damage at its own cost within a reasonable time or the City may repair or cause the repair of such damage and the cost thereof shall be deducted from monies due to the Contractor from the City.

DEFAULT BY VENDOR / TERMINATION

Notwithstanding anything to the contrary in these Specifications or in the Purchase Order, the City may terminate this Contract without liability for damages when, in the City's sole opinion, the Vendor is not diligently performing or otherwise not complying in good faith with the Contract, has become insolvent, has assigned or subcontracted any part of the work without the consent of the City, or has otherwise defaulted in performance of the Contract.

BLANKET PURCHASE ORDER (BPO)/AUTHORIZED PERSONNEL

A Blanket Purchase Order (BPO) will be sent to the Contractor by the City Purchasing Agent. City personnel authorized to make releases (purchase orders) against the BPO will be indicated on the BPO. Shipment shall be made against the BPO release number. The Contractor must reference the BPO release number and not the BPO number on all invoices.

BILLING

The Contractor shall submit upon completion of each order either an electronic invoice (preferred) or a hard copy invoice describing each service or items purchased. Itemization of invoices to include a detailed, description/summary of product or service performed (such as type of work performed, list of

BID NUMBER ITB PR 22-001

materials with part numbers, labor hours charged listing tasks performed, authorizing authority of purchase, and the release purchase order number) and all applicable taxes on all invoices.

The Contractor shall submit via email (preferred) or mail a Monthly Summary Invoice directly to the City Department contact at the "Bill To" address specified in the agreement. At a minimum, Monthly Summary Invoices shall be prepared on the Contractor's business stationery and shall be submitted by the seventh working day of each calendar month for orders completed during the previous month and that month only. It shall list the Contractor's individual invoice number(s) and cost for each invoice, along with a total cost for the month. One copy of the individual invoices in numeric sequential order shall correspond to the monthly summary invoice listing order exactly.

The City will inspect summary invoice costs, after which the City shall process the monthly summary invoice for payment.

The Contractor shall not invoice for goods, materials, or supplies before merchandise has been shipped or delivered. Payment will not be authorized until merchandise has been received.

CONFLICT OF INTEREST

Contractor represents and warrants that no City employee whose position in the City enables him/her to influence the award of the Contract or any competing Contract, and no spouse or economic dependent of such employee is or shall be employed in any capacity by the Contractor herein, or does or shall have any direct or indirect financial interest in this Contract.

VENDOR CONTACT INFORMATION

Name of a person that will be the City's contact for order placement, order problems or special needs, etc. (must have a person's name).

Contact Name: Thomas R Berrey
Contact Direct Phone: 714-561-5121
Contact Fax: 714-564-9700
Contact E-mail: tberrey@waterlinetech.com

VENDOR'S EMPLOYEES

For statistical purposes only, please provide the following information below regarding your company's employees.

Specify the number of current full-time employees residing in Long Beach: 3.

Specify the number of current part-time employees residing in Long Beach: 0.

WILL CALL

Do you have Will Call capabilities (optional)? YES NO

If so, what is your Will Call address?

620 Santiago Street Santa Ana, CA 92701

ONLINE ORDERING

Does your company currently have online ordering?
(Online pricing must be the same as the bid price or less.) YES NO

If the answer is no, does your company plan to have online ordering within the next twelve (12) months?

YES NO

If your company currently provides online ordering, Contractor shall provide with the bid as a separate attachment any information pertaining to the Contractor's online ordering (including the web address/URL).

MISCELLANEOUS ITEMS

City employees shall be authorized to purchase miscellaneous items not listed herein up to a maximum of \$500.00 per order.

BID NUMBER ITB PR 22-001

Please specify percentage discount the City will receive from items not separately listed below:

18 % discount will be allowed from vendor's price list dated 10/01/2021

Contractor shall deliver all chemicals and/or maintenance parts within five (5) business days after receipt of order. The City reserves the right to determine award based on delivery time quoted.

Please state delivery time: 4 calendar days after receipt of order.

PAYMENT TERMS

Net 30 ; 0 % discount in 30 days.

WARRANTY

WARRANTY: 12 MONTHS (specify days/months/years)
(If other than the manufacturer's standard warranty).

Bidder shall replace any and all unacceptable orders as defined by the City within 48 hours. In the case that a defective item is supplied, bidder shall provide full replacement at **no cost** to the City.

Items that have been received by the City that cannot be used, have not been used and/or are not damaged shall be accepted for return by the Contractor with no restocking fee.

SPECIFICATIONS

Contractors may bid on pool chemicals, maintenance parts or services, or any combination of those options. The City reserves the right to award to multiple contractors.

OPTION 1: POOL CHEMICALS

Each pool facility uses liquid chemical feed systems as the primary application of chlorine and acid.

Contractor shall be responsible for transporting and off-loading the chemicals in accordance with all applicable local, state and federal health and safety laws and regulations, and shall be required to maintain adequate insurance for the transportation of the chemicals. Contractor must be able to provide delivery of bulk liquid chemicals to existing storage tanks located at the pools via tanker truck. Contractor shall deliver all required chemicals to each pool facility's designated storage tank, storage space or storage area on the pre-determined schedule or as requested. All delivery application equipment shall be provided by Contractor. Contractor shall provide their own hose to make chemical deliveries, which should be at least 80 feet in length.

Contractor shall provide visual inspection of the chemical tanks during deliveries, and shall report any and all hazards to pool supervision directly upon discovery.

Contractor shall be responsible for any and all cleanup and/or repair of spills and/or damage caused in the execution of contracted activities.

The City may require certificates of analysis at regular (or irregular) intervals.

MATERIAL SAFETY DATA SHEETS

In compliance with Title 8 of the California Code of Regulations (OSHA), the City requires two (2) copies of the current US Department of Labor Materials Safety Data Sheet (MSDS) for items shown on the purchase order.

Contractor shall furnish the MSDS documents for each product designated for delivery to each pool facility as a general attachment with the submitted bid; failure to submit these MSDS documents may disqualify the bid.

OPTION 2: MAINTENANCE PARTS

Items will be purchased on an as-needed or preventative maintenance basis.

Contractor shall furnish parts as listed in current manufacturers' catalogs and/or price lists.

Contractor shall furnish the current manufacturer's price list as a general attachment with the submitted bid; failure to submit price lists may disqualify the bid.

OPTION 3: SERVICES

The services to be performed, on an as-needed basis, include installation of established maintenance parts and equipment at each pool facility upon request of the pool supervisor.

BID SECTION

It is understood by the Contractor that all quantities listed are annual estimates and that the City of Long Beach may purchase an amount above or below the estimates according to the requirements and needs of the City. The City does not guarantee that it will place a minimum quantity or dollar amount of orders.

Prices quoted shall include all inside delivery, handling, freight, unloading, and pick-up charges to the location designated at time of order. Prices quoted shall be net, including all trade discounts.

PRICING SHALL BE ENTERED ELECTRONICALLY IN PLANETBIDS.

OPTION 1

ITEM	SECTION	DESCRIPTION	QTY	UOM
1	Pool Chemicals	12.5% Sodium Hypochlorite (Chlorine) – 1-gallon bottle	500	GAL
2	Pool Chemicals	12.5% Sodium Hypochlorite (Chlorine) – 15-gallon drum	1	DRUM
3	Pool Chemicals	12.5% Sodium Hypochlorite (Chlorine) – 53-gallon drum	200	DRUM
4	Pool Chemicals	12.5% Sodium Hypochlorite (Chlorine) – per gallon bulk	35000	GAL
5	Pool Chemicals	Muriatic Acid (20 Degree Baume) – 1-gallon bottle	250	GAL
6	Pool Chemicals	Muriatic Acid (20 Degree Baume) – 15-gallon drum	100	DRUM
7	Pool Chemicals	Muriatic Acid (20 Degree Baume) – 50-gallon drum	100	DRUM
8	Pool Chemicals	Muriatic Acid (20 Degree Baume) – per gallon bulk	15000	GAL
9	Pool Chemicals	Chlorinating Concentrate, 62% available Chlorine – 50-lb bucket	10	BUCKET
10	Pool Chemicals	Granular Chloride; Calcium Hypochlorite (69%) – 100-lb drum	5	DRUM
11	Pool Chemicals	Calcium Chloride – 50-lb bag	200	BAG
12	Pool Chemicals	Soda Ash; light – 50-lb bag	10	BAG
13	Pool Chemicals	Sodium Bicarbonate – 50-lb bag	500	BAG
14	Pool Chemicals	Sodium Thiosulfate – 50-lb bag	10	BAG
15	Pool Chemicals	1" Bromine Tablets 50-lb bucket	20	BUCKET
16	Pool Chemicals	3" Chlorine tablets 50-lb bucket	20	BUCKET
17	Pool Chemicals	Drum Deposit	1	EA
18	Pool Chemicals	Drum Refund	1	EA

OPTION 2

ITEM	SECTION	DESCRIPTION	QTY	UOM
19	Maintenance Parts	1/2" White Poly Tubing	500	FT
20	Maintenance Parts	3/8" White Poly Tubing	500	FT
21	Maintenance Parts	5/8" White Poly Tubing	500	FT
22	Maintenance Parts	LMI 1/2" Injection Check	10	EA
23	Maintenance Parts	LMI 1/2" SP 1/2" Injector	10	EA
24	Maintenance Parts	LMI SP U17 Repair Kit	10	EA
25	Maintenance Parts	LMI Repair Kit RPM – 362/368	10	EA
26	Maintenance Parts	LMI – 3/8" Clamp Ring	10	EA
27	Maintenance Parts	LMI – 3/8" PVDF Injection Valve Assembly	10	EA
28	Maintenance Parts	4 Function Valve	10	EA

BID SECTION

29	Maintenance Parts	LIMI - PVC 4 Function Valve Discharge Assembly	10	EA
30	Maintenance Parts	Schedule 80 1/2" Female Adapter - 25/box	5	BOX
31	Maintenance Parts	Schedule 80 1/2" 90 ELL - 20/box	5	BOX
32	Maintenance Parts	Schedule 80 1/2" Coupling - 25/box	5	BOX
33	Maintenance Parts	Schedule 80 1/2" NX Close Nipple	10	EA
34	Maintenance Parts	1/2" Ball Valve Thd	10	EA
35	Maintenance Parts	Kool Rod 5/8"	10	EA
36	Maintenance Parts	Decoseal 96 oz. Kit - Grey	5	EA
37	Maintenance Parts	Starite PTM Upper Clamp	5	EA
38	Maintenance Parts	PTM Tank Clamp Lower S	5	EA
39	Maintenance Parts	STA-Rite Original Basket	5	EA
40	Maintenance Parts	HWD VGB 12"x12" Replacement Covers & Frames	6	EA
41	Maintenance Parts	Aladdin B-37 Filter Basket	150	EA
42	Maintenance Parts	Clamp Knob	5	EA
43	Maintenance Parts	Tank Clamp Nut	5	EA
44	Maintenance Parts	Air Release VLV Assembly	5	EA
45	Maintenance Parts	Durafirm Hinge Assembly	4	EA
46	Maintenance Parts	Durafirm Fulcrum Kit	4	EA
47	Maintenance Parts	Paragon Delux Deck Caps	4	EA
48	Maintenance Parts	Maxisweep 75 Square Foot 23.25 OL	4	EA
49	Maintenance Parts	Anti-Wave Lane Line Cable	50	EA
50	Maintenance Parts	Anti-Wave Super Tensioners	50	EA
51	Maintenance Parts	Anti-Wave Lane Lines 25yd	50	EA
52	Maintenance Parts	Anti-Wave Lane Lines 25m	50	EA
53	Maintenance Parts	Anti-Wave Lane Lines 50m	50	EA
54	Maintenance Parts	Anti-Wave Water Polo Goals	4	EA
55	Maintenance Parts	Anti-Wave Water Polo Netting	4	EA
56	Maintenance Parts	Colorado Timing 6-digit Slim Digital Pace Clock	4	EA
57	Maintenance Parts	Colorado Timing Underwater Speaker	2	EA
58	Maintenance Parts	Stenner Pump - Single Head Adjustable Chemical Feed	6	EA
59	Maintenance Parts	Double Head Adjustable Chemical Feed	6	EA

OPTION 3

ITEM	SECTION	DESCRIPTION	QTY	UOM
60	Services	Rate - Straight Time	1	HR
61	Services	Rate - Overtime	1	HR
62	Services	Rate - Double Time/Weekends and Holidays	1	HR

ATTACHMENT A

**Debarment, Suspension, Ineligibility and Voluntary Exclusion
Certification**

Debarment, Suspension, Ineligibility and Voluntary Exclusion Certification

Please read Acceptance of Certification and Instructions for Certification before completing

As a current or potential vendor for the City of Long Beach (City) your firm, through its business relationship with the City, may be the recipient of federal grant funds. As such, the City is required to document that neither your business entity or organization, nor any of your principals are debarred, suspended, ineligible, or have voluntarily been excluded from receiving federal grant funds. Consistent with Executive Order No. 12549 Title 2 CFR Part 18 Subpart C, all potential recipients of federal grant funds are required to comply with the requirements specified below. By submission of proposal/bid/agreement, the undersigned, under penalty of perjury, certifies that the participant, nor any of its principals in the capacity of owner, director, partner, officer, manager, or other person with substantial influence in the development or outcome of a covered transaction, whether or not employed by the participant:

- Are not currently under suspension, debarment, voluntary exclusion, or determination of ineligibility by any Federal department or agency;
- Have not, within a three (3) year period preceding this bid/agreement/proposal, been suspended, debarred, voluntarily excluded or declared ineligible by a federal agency;
- Do not presently have a proposed debarment proceeding pending;
- Have not, within a three (3) year period preceding this bid/agreement/proposal, been indicted or convicted, or had a civil judgment rendered against it by a court of competent jurisdiction in any matter involving fraud or official misconduct;
- Have not, within a three (3) year period preceding this bid/agreement/proposal, had one or more public transactions (Federal, State, or local) terminated for cause or default.

If reorganization, management turnover, or a shift or change of principals' status occurs, written notice must be submitted within 21 days. Subsequent disclosure of unfavorable information will be subject to thorough review and remedial action. Updated versions of this certification may be requested on a routine basis.

Where the potential prospective recipient of Federal assistance funds is unable to certify to any of the statement in this certification, such prospective participant shall attach an explanation to the applicable bid/agreement/proposal.

Waterline Technologies Inc.

Business/Contractor/Agency

Thomas R Berrey

GM

Name of Authorized Representative

Title of Authorized Representative

Thomas R Berrey

10/29/2021

Signature of Authorized Representative

Date

r21411

Acceptance of Certification

1. This bid/agreement/proposal or like document has the potential to be a recipient of Federal funds. In order to be in compliance with Code of Federal Regulations, the City requires this completed form. By signing and submitting this document, the prospective bidder/proposer is providing the certification and acknowledgement as follows:
2. The terms "covered transaction," "debarred," "suspended," "ineligible," "lower tier covered transaction," "participant," "person," "primary covered transaction," "principal," "proposal," and "voluntarily excluded," as used in this clause, have the meanings set out in the Definitions and Coverage sections of rules implementing Executive Order 12549.
3. The certification in this clause is a material representation of fact upon which reliance was placed when this transaction was entered into. If it is later determined that the prospective recipient of Federal assistance funds knowingly rendered an erroneous certification, in addition to other remedies available to the Federal Government, the department or agency with which this transaction originated may pursue available remedies, including suspension and/or debarment.
4. The potential recipient of Federal assistance funds agrees by submitting this bid/agreement/proposal or like document that, should the proposed covered transaction be entered into, it shall not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by the department or agency with which this transaction originated.

Instructions for completing the form, Attachment –Debarment Certification

1. The City of Long Beach sometimes receives Federal funding on certain purchases/projects. To ensure that the City is in compliance with Federal regulations we require this form to be completed.
2. The City of Long Beach checks the System for Award Management at www.sam.gov to make sure that Contractors who are awarded City contracts and/or purchase orders are not debarred or suspended. Prospective contractors should perform a search on this website for your company and or persons associated with your business.
3. If your business is in compliance with the conditions in the form, please have the appropriate person complete and sign this form and return with your bid/proposal/agreement.
4. If at any time, your business or persons associated with your business become debarred or suspended, we require that you inform us of this change in status.
5. If there are any exceptions to the certification, please include an attachment. Exceptions will not necessarily result in denial of award, but will be considered in determining bidder responsibility. For any exception, indicate to whom it applies, initiating agency and dates of action.
6. Note: Providing false information may result in criminal prosecution or administrative sanctions.

If you have any questions on how to complete this form, please contact the Purchasing Division in the City of Long Beach Business Relations Bureau at 562-57-6200

ATTACHMENT B

REFERENCE LIST



City of Long Beach
 Purchasing Division
 411 W Ocean Blvd, 6th Floor
 Long Beach CA 90802

Reference Information Form

Client/Contractor Name Irvine Ranch Water

Project Manager/Contact Name Scott Beltran E-mail beltran@irwd.com Ph. No. 949-453-5300

Address PO Box 19575 Irvine CA 92623

Project Description Delivery of Swimming Pool Chemicals, Equipment, Service

Project Dates (Start and End) 8/2012 to present Contract Term(s) Net 30 Contract Amount \$40,000.00

Client/Contractor Name Riverside Unified School District

Project Manager/Contact Name Joe Baglio E-mail _____ Ph. No. 951-368-7353

Address Various High School Swimming Pools

Project Description Delivery of Swimming Pool Chemicals, Equipment, Service

Project Dates (Start and End) 7/2012 to present Contract Term(s) Net 30 Contract Amount \$55,000.00

Client/Contractor Name La County Parks

Project Manager/Contact Name Stephanie Lopez E-mail _____ Ph. No. 626-349-5126

Address Various Regional Swimming Pools - LA County

Project Description Delivery of Swimming Pool Chemicals, Equipment, Service

Project Dates (Start and End) 7/2017 to present Contract Term(s) Net 30 Contract Amount \$500,000.00

Client/Contractor Name Corona-Norco Unified School District

Project Manager/Contact Name Terry Long E-mail _____ Ph. No. 951-736-5050

Address Various High School Swimming Pools

Project Description Delivery of Swimming Pool Chemicals, Equipment, Service

Project Dates (Start and End) 7/2017 to present Contract Term(s) Net 30 Contract Amount \$75,000.00

Client/Contractor Name LA City Parks

Project Manager/Contact Name James Muff E-mail james.muff@lacity.org Ph. No. _____

Address 64 Various City Swimming Pools

Project Description Delivery of Swimming Pool Chemicals, Equipment, Service

Project Dates (Start and End) 1988 to present Contract Term(s) Net 30 Contract Amount \$475,000.00

ATTACHMENT C

**W-9 REQUEST FOR TAXPAYER IDENTIFICATION NUMBER
AND CERTIFICATION**

Form-Fillable PDF available at <http://www.irs.gov/pub/irs-pdf/fw9.pdf>

Request for Taxpayer Identification Number and Certification

**Give Form to the
requester. Do not
send to the IRS.**

▶ Go to www.irs.gov/FormW9 for instructions and the latest information.

Print or type.
See Specific Instructions on page 3.

1 Name (as shown on your income tax return). Name is required on this line; do not leave this line blank.	
2 Business name/disregarded entity name, if different from above Waterline Technologies Inc.	
3 Check appropriate box for federal tax classification of the person whose name is entered on line 1. Check only one of the following seven boxes. <input type="checkbox"/> Individual/sole proprietor or single-member LLC <input type="checkbox"/> C Corporation <input checked="" type="checkbox"/> S Corporation <input type="checkbox"/> Partnership <input type="checkbox"/> Trust/estate <input type="checkbox"/> Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=Partnership) ▶ _____ <small>Note: Check the appropriate box in the line above for the tax classification of the single-member owner. Do not check LLC if the LLC is classified as a single-member LLC that is disregarded from the owner unless the owner of the LLC is another LLC that is not disregarded from the owner for U.S. federal tax purposes. Otherwise, a single-member LLC that is disregarded from the owner should check the appropriate box for the tax classification of its owner.</small> <input type="checkbox"/> Other (see instructions) ▶ _____	4 Exemptions (codes apply only to certain entities, not individuals; see instructions on page 3): Exempt payee code (if any) _____ Exemption from FATCA reporting code (if any) _____ <small>(Applies to accounts maintained outside the U.S.)</small>
5 Address (number, street, and apt. or suite no.) See instructions. 620 Santiago Street	Requester's name and address (optional)
6 City, state, and ZIP code Santa Ana, CA 92701	
7 List account number(s) here (optional)	

Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on line 1 to avoid backup withholding. For individuals, this is generally your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the instructions for Part I, later. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN*, later.

Note: If the account is in more than one name, see the instructions for line 1. Also see *What Name and Number To Give the Requester* for guidelines on whose number to enter.

Social security number																				
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Part II Certification

Under penalties of perjury, I certify that:

1. The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me); and
2. I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding; and
3. I am a U.S. citizen or other U.S. person (defined below); and
4. The FATCA code(s) entered on this form (if any) indicating that I am exempt from FATCA reporting is correct.

Certification instructions. You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions for Part II, later.

Sign Here	Signature of U.S. person ▶ <i>Thomas R Berrey</i>	Date ▶ 10-29/2021
------------------	---	--------------------------

General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.

Future developments. For the latest information about developments related to Form W-9 and its instructions, such as legislation enacted after they were published, go to www.irs.gov/FormW9.

Purpose of Form

An individual or entity (Form W-9 requester) who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) which may be your social security number (SSN), individual taxpayer identification number (ITIN), adoption taxpayer identification number (ATIN), or employer identification number (EIN), to report on an information return the amount paid to you, or other amount reportable on an information return. Examples of information returns include, but are not limited to, the following.

- Form 1099-INT (interest earned or paid)

- Form 1099-DIV (dividends, including those from stocks or mutual funds)
- Form 1099-MISC (various types of income, prizes, awards, or gross proceeds)
- Form 1099-B (stock or mutual fund sales and certain other transactions by brokers)
- Form 1099-S (proceeds from real estate transactions)
- Form 1099-K (merchant card and third party network transactions)
- Form 1098 (home mortgage interest), 1098-E (student loan interest), 1098-T (tuition)
- Form 1099-C (canceled debt)
- Form 1099-A (acquisition or abandonment of secured property)

Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN.

If you do not return Form W-9 to the requester with a TIN, you might be subject to backup withholding. See What is backup withholding, later.

ATTACHMENT D
EQUAL BENEFITS ORDINANCE (EBO) FORM

EQUAL BENEFITS ORDINANCE DISCLOSURE FORM

As a condition of being awarded a contract with the City of Long Beach ("City"), the selected Contractor/Vendor ("Contractor") may be required during the performance of the Contract, to comply with the City's nondiscrimination provisions of the Equal Benefits Ordinance ("EBO") set forth in the Long Beach Municipal Code section 2.73 et seq. The EBO requires that during the performance of the contract, the Contractor shall provide equal benefits to its employees with spouses and employees with domestic partners. Benefits include but are not limited to, health benefits, bereavement leave, family medical leave, membership and membership discounts, moving expenses, retirement benefits and travel benefits. A cash equivalent payment is permitted if an employer has made all reasonable efforts to provide domestic partners with access to benefits but is unable to do so. A situation in which a cash equivalent payment might be used if where the employer has difficulty finding an insurance provider that is willing to provide domestic partner benefits.

The EBO is applicable to the following employers:

- For-profit employers that have a contract with the City for the purchase of goods, services, public works or improvements and other construction projects in the amount of \$100,000 or more
- For-profit entities that generate \$350,000 or more in annual gross receipts leasing City property pursuant to a written agreement for a term exceeding 29 days in any calendar year

Contractors who are subject to the EBO must certify to the City before execution of the contract that they are in compliance with the EBO by completing the EBO Certification Form, attached, or that they have been issued a waiver by the City. Contractors must also allow authorized City representatives access to records so the City can verify compliance with the EBO.

The EBO includes provisions that address difficulties associated with implementing procedures to comply with the EBO. Contractors can delay implementation of procedures to comply with the EBO in the following circumstances

- 1) By the first effective date after the first open enrollment process following the contract start date, not to exceed two years, if the Contractor/vendor submits evidence of taking reasonable measures to comply with the EBO; or
- 2) At such time that the administrative steps can be taken to incorporate nondiscrimination in benefits in the Contractor/vendor's infrastructure, not to exceed three months; or
- 3) Upon expiration of the contractor's current collective bargaining agreement(s).

Compliance with the EBO

If a contractor has not received a waiver from complying with the EBO and the timeframe within which it can delay implementation has expired but it has failed to comply with the EBO, the

Contractor may be deemed to be in material breach of the Contract. In the event of a material breach, the City may cancel, terminate or suspend the City agreement, in whole or in part. The City also may deem the Contractor an irresponsible bidder and disqualify the Contractor from contracting with the City for a period of three years. In addition, the City may assess liquidated damages against the Contractor which may be deducted from money otherwise due the Contractor. The City may also pursue any other remedies available at law or in equity.

By my signature below, I acknowledge that the Contractor understands that to the extent it is subject to the provisions of the Long Beach Municipal Code section 2.73, the Contractor shall comply with this provision.

Printed Name: Thomas R Berrey Title: GM

Signature: *Thomas R Berrey* Date: 10/29/2021

Business Entity Name: Waterline Technologies Inc.

**CERTIFICATION OF COMPLIANCE WITH THE
EQUAL BENEFITS ORDINANCE**

Section 1. CONTRACTOR/VENDOR INFORMATION

Name: Waterline Technologies Inc. Federal Tax ID No. [REDACTED]
Address: 620 Santiago Street
City: Santa Ana State: CA ZIP: 92701
Contact Person: Tom Berrey Telephone: 714-564-9100
Email: tberrey@waterlinetech.com Fax: 714-564-9700

Section 2. COMPLIANCE QUESTIONS

- A. The EBO is inapplicable to this Contract because the Contractor/Vendor has no employees. Yes ✓ No
- B. Does your company provide (or make available at the employees' expense) any employee benefits? ✓ Yes No
(If "yes," proceed to Question C. If "no," proceed to section 5, as the EBO does not apply to you.)
- C. Does your company provide (or make available at the employees' expense) any benefits to the spouse of an employee?
 ✓ Yes No
- D. Does your company provide (or make available at the employees' expense) any benefits to the domestic partner of an employee?
 ✓ Yes No (If you answered "no" to both questions C and D, proceed to section 5, as the EBO is not applicable to this contract. If you answered "yes" to both Questions C and D, please continue to Question E. If you answered "yes" to Question C and "no" to Question D, please continue to section 3.)
- E. Are the benefits that are available to the spouse of an employee identical to the benefits that are available to the domestic partner of an employee? ✓ Yes
 No
(If "yes," proceed to section 4, as you are in compliance with the EBO. If "no," continue to section 3.)

Section 3. PROVISIONAL COMPLIANCE

- A. Contractor/vendor is not in compliance with the EBO now but will comply by the following date:

 By the first effective date after the first open enrollment process following the contract start date, not to exceed two years, if the Contractor/vendor submits evidence of taking reasonable measures to comply with the EBO; or

 At such time that the administrative steps can be taken to incorporate nondiscrimination in benefits in the Contractor/vendor's infrastructure, not to exceed three months; or

_____ Upon expiration of the contractor's current collective bargaining agreement(s).

- B. If you have taken all reasonable measures to comply with the EBO but are unable to do so, do you agree to provide employees with a cash equivalent? (The cash equivalent is the amount of money your company pays for spousal benefits that are unavailable for domestic partners.)
____ Yes ____ No

Section 4. REQUIRED DOCUMENTATION

At time of issuance of purchase order or contract award, you may be required by the City to provide documentation (copy of employee handbook, eligibility statement from your plans, insurance provider statement, etc.) to verify that you do not discriminate in the provision of benefits.

Section 5. CERTIFICATION

I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct and that I am authorized to bind this entity contractually. By signing this certification, I further agree to comply with all additional obligations of the Equal Benefits Ordinance that are set forth in the Long Beach Municipal Code and in the terms of the contract of purchase order with the City.

Executed this 29 day of October, 2021, at Santa Ana, California

Name Thomas R Berrey Signature Thomas R Berrey
Title GM Federal Tax ID No. ██████████

ATTACHMENT E

INSURANCE REQUIREMENTS



City of Long Beach
Purchasing Division
411 West Ocean Boulevard, 6th Floor
Long Beach, CA 90802

INSURANCE: As a condition precedent to the effectiveness of this Contract, Contractor shall procure and maintain at its expense, until completion of performance and acceptance by City, from an insurer admitted (licensed) in the State of California with a current financial responsibility rating of A (Excellent) or better and a current financial size category (FSC) of V (capital surplus and conditional surplus funds of greater than \$10 million) or greater rating as reported by A.M. Best Company or equivalent, unless waived in writing by City's Risk Manager, or non-admitted in the State of California with a current financial responsibility rating of A (Excellent) or better and a current financial size category (FSC) of VIII (capital surplus and conditional surplus funds of greater than \$100 million) or greater rating as reported by A.M. Best Company or equivalent, unless waived in writing by City's Risk Manager.

- (a) Commercial general liability insurance or self-insurance equivalent in coverage scope to ISO CG 00 01 10 93 naming the **City of Long Beach, and its boards, officials, employees, and agents** as additional insureds on a form equivalent in coverage scope to ISO CG 20 10 11 85 from and against claims, demands, causes of action, expenses, costs, or liability for injury to or death of persons, or damage to or loss of property arising out activities performed by or on behalf of the Contractor in an amount not less than One Million Dollars (US \$1,000,000) per occurrence and Two Million Dollars (US \$2,000,000) in general aggregate.
- (b) Workers' compensation coverage as required by the Labor Code of the State of California and Employer's liability insurance with minimum limits of One Million Dollars (US \$1,000,000) per accident or occupational illness. The policy shall be endorsed with a waiver of the insurer's right of subrogation against the **City of Long Beach, and its boards, officials, employees, and agents**.
- (c) Automobile liability insurance equivalent in coverage scope to ISO CA 00 01 06 92 in an amount not less than Five Hundred Thousand Dollars (US \$500,000) combined single limit (CSL) per accident for bodily injury and property damage covering Symbol 1 ("all autos").

Any self-insurance program or self-insurance retention must be approved separately in writing by the City's Risk Manager or designate and shall protect the **City of Long Beach, and its boards, officials, employees, and agents** in the same manner and to the same extent as they would have been protected had the policy or policies not contained retention provisions. Each insurance policy shall be endorsed to state that coverage shall not be suspended, voided, or canceled by either party except after thirty (30) days prior written notice to the City of Long Beach, and shall be primary and not contributing to any other insurance or self-insurance maintained by the City of Long Beach.

Any subcontractors of all tiers which Contractor may use in the performance of this Contract shall be required to maintain insurance in compliance with the provisions of this section. The additional insured endorsement form number applicable to subcontractors with respect to the general liability insurance shall be the ISO CG 20 26 11 85 form or its equivalent.

Contractor shall deliver to the City of Long Beach certificates of insurance and original endorsements for approval as to sufficiency and form prior to the start of performance hereunder. The certificates and endorsements for each insurance policy shall contain the original signature of a person authorized by that insurer to bind coverage on its behalf. "Claims-made" policies are not



City of Long Beach
Purchasing Division
411 West Ocean Boulevard, 6th Floor
Long Beach, CA 90802

acceptable unless the City's Risk Manager determines that "Occurrence" policies are not available in the market for the risk being insured. In a "Claims-made" policy is accepted, it must provide for an extended reporting period of not less than one hundred eighty (180) days. Such insurance as required herein shall not be deemed to limit Contractor's liability relating to performance under this Contract. The City of Long Beach reserves the right to require complete certified copies of all said policies at any time. Any modification or waiver of the insurance requirements herein shall be made only with the approval of the City's Risk Manager. The procuring of insurance shall not be construed as a limitation on liability or as full performance of the indemnification provisions of this Contract.

To the extent more stringent insurance requirements apply in accordance with the City of Long Beach's Administrative Regulation 8-27 (AR 8-27) and its amendments, the currently in-force AR 8-27 regulations and requirements supersede and replace any insurance requirements stated herein.

INDEMNITY: To the extent allowed by law, Contractor shall defend, indemnify, and hold harmless the City, its Commissions and Boards, and their officials, employees, and agents from and against any and all demands, claims, causes of action, liability, loss, liens, damage, costs, and expenses (including attorney's fees) arising from or in any way connected or alleged to be connected with Contractor's performance of the performance under the Contract or the work under or related to the Contract and from any act or omission, willful misconduct, or negligence (active or passive) by or alleged to be by Contractor, its employees, agents, or subcontractors either as a sole or contributory cause, sustained by any person or entity (including employees or representatives of City or Contractor). The foregoing shall not apply to claims or causes of action caused by the sole negligence or willful misconduct of the City, its Commissions and Boards, or their officials, employees, or agents.

In addition to Contractor's duty to indemnify, Contractor shall have a separate and wholly independent duty to defend Indemnified Parties at Contractor's expense by legal counsel approved by City, from and against all Claims, and shall continue this defense until the Claims are resolved, whether by settlement, judgment or otherwise. No finding or judgment of negligence, fault, breach, or the like on the part of Contractor shall be required for the duty to defend to arise. City shall notify Contractor of any Claim, shall tender the defense of the Claim to Contractor, and shall assist Contractor, as may be reasonably requested, in the defense.

If a court of competent jurisdiction determines that a Claim was caused by the sole negligence or willful misconduct of Indemnified Parties, Contractor's costs of defense and indemnity shall be (1) reimbursed in full if the court determines sole negligence by the Indemnified Parties, or (2) reduced by the percentage of willful misconduct attributed by the court to the Indemnified Parties. The provisions of this Section shall survive the expiration or termination of this contract.

THE FOLLOWING ADDITIONAL CONDITIONS APPLY ONLY IN CASES WHERE CONTRACTOR IS TO PERFORM WORK FOR THE CITY OR ON CITY PROPERTY:

Before execution of a Contract, the bidder shall file two surety bonds with the City of Long Beach subject to the approval of the City Engineer and City Attorney. The bonds shall be on forms provided



City of Long Beach
 Purchasing Division
 411 West Ocean Boulevard, 6th Floor
 Long Beach, CA 90802

by the City or acceptable to the City Attorney. The Payment Bond (Material and Labor Bond) shall satisfy claims of material suppliers and mechanics and laborers employed by the contractor on the Work. This bond shall be maintained by the contractor in full force and effect until the work is accepted by the City of Long Beach and until all claims for materials and labor are paid, and shall otherwise comply with the Civil Code. The Performance Bond shall guarantee faithful performance of all work within the time and manner prescribed, free from original or developed defects. This bond shall remain in effect as prescribed within the Contract, until the end of all warranty periods.

If at any time during the progress of the Work, Contractor shall allow any indebtedness to accrue for labor, equipment or materials, or which may become a claim against the City, Contractor shall immediately upon request from the City pay such claim or indebtedness or cause such lien to be dissolved and discharged by giving a bond or otherwise and, in case of his failure so to do, the City may withhold any money due Contractor until such claim or indebtedness is paid or may apply such money toward the discharge thereof; or in such event the City may, at its option, declare this Contract to be terminated, take possession and control of the Work, and complete the same or cause the same to be completed according to the specifications. Contractor shall pay to the City the difference between the Contract price and the actual cost to the City in completing or causing the Work to be completed.

Contractor shall carry on the Work at its own risk until the same is fully completed and accepted and shall, in case of any accident, destruction or injury to the Work or materials before its final completion and acceptance, repair or replace the Work or materials so injured, damaged and destroyed, at his own expense and to the satisfaction of the City. When materials and equipment are furnished by others for installation or erection by Contractor, Contractor shall receive, unload, store and handle same at the Site and become responsible therefore as though such materials and equipment were being furnished by Contractor under the Contract.

Contractor shall list the name and location of the place of business of each Subcontractor who will perform work, labor or services for Contractor, or who specially fabricates and installs a portion of the Work or improvement in an amount in excess of one-half of one percent of Contractor's total contract cost. The Subcontractor list shall be submitted with Contractor's Bid.

Printed Name: Thomas R Berrey Title: GM
 Signature: *Thomas R Berrey* Date: 10/29/2021



**California Secretary of State
Electronic Filing**

FILED

Secretary of State
State of California

Corporation - Statement of Information

Entity Name: WATERLINE TECHNOLOGIES, INC.

Entity (File) Number: C0338283

File Date: 03/08/2021

Entity Type: Corporation

Jurisdiction: CALIFORNIA

Document ID: GR42312

Detailed Filing Information

1. **Entity Name:** WATERLINE TECHNOLOGIES, INC.

2. **Business Addresses:**
 - a. **Street Address of Principal Office in California:**
620 N Santiago St
Santa Ana, California 92701
United States of America

 - b. **Mailing Address:**
620 N Santiago St
Santa Ana, California 92701
United States of America

 - c. **Street Address of Principal Executive Office:**
620 N Santiago St
Santa Ana, California 92701
United States of America

3. **Officers:**
 - a. **Chief Executive Officer:**
Kirk Thomas Buttermore
410 Santa Ana Ave
Newport Beach, California 92663
United States of America

 - b. **Secretary:**
Mary Cathy Buttermore
410 Santa Ana Ave
Newport Beach, California 92663
United States of America

Document ID: GR42312



California Secretary of State Electronic Filing

Officers (cont'd):

- c. Chief Financial Officer:
- Kirk Thomas Buttermore
410 Santa Ana Ave
Newport Beach, California 92663
United States of America
4. Director:
- Kirk Thomas Buttermore
620 N Santiago St
Santa Ana, California 92701
United States of America
- Number of Vacancies on the Board of
Directors:
- 0
5. Agent for Service of Process:
- Kathy Lylla LaVoie
620 N Santiago St
Santa Ana, California 92701
United States of America
6. Type of Business:
- swimming pool, water treatment,
chemicals and equipment

By signing this document, I certify that the information is true and correct and that I am authorized by California law to sign.

Electronic Signature: Kathy LaVoie

Use bizfile.sos.ca.gov for online filings, searches, business records, and resources.

Document ID: GR42312

ATTACHMENT F

SECRETARY OF STATE CERTIFICATION

Please provide print out showing your business is registered with the California Secretary of State.

Awarded vendors/consultants must be registered with the California Secretary of State prior to contract execution. For more information, please consult:

<https://businesssearch.sos.ca.gov/>

Dr. Shirley N. Weber
California Secretary of State

Business Search

This search provides access to available information for corporations, limited liability companies and limited partnerships of record with the California Secretary of State, with free PDF copies of Images of Business Entity Documents, including the most recent Images of Statements of Information, filed for corporations and limited liability companies.

Currently, information for limited liability partnerships (e.g. law firms, architecture firms, engineering firms, public accountancy firms, and land survey firms), general partnerships, associations, and other entity types are not contained in the Business Search. If you wish to obtain information about these entity types, download, complete, and submit a [Business Entity Records Request Form](#) to request copies of filings for these entity types.

Note: This search is not intended to serve as a name reservation search. For information on reserving a name, refer to [Name Reservations](#) to conduct a search:

- Select the applicable search type.
- In the "Search Criteria" box, enter the entity name or number you wish to search. Note: If entering the entity number of a corporation, the number must begin with the letter C.
- Select the search type you wish to use to locate the entity if searching for an entity name.
- Select the search button.
- For help with specifying an entity name or number, refer to [Search Tips](#).

All fields marked with an asterisk (*) are required.

Search Type: Corporation Name LP/LLC Name Entity Number

Search Criteria: Search Filter:

The Search Criteria field is required.

Search:

Disclaimer: This tool allows you to search the Secretary of State's California Business Search database for abstracts of information for domestic stock, domestic nonprofit and qualified foreign corporations, limited liability companies and limited partnerships that have filed with this office. This search tool groups corporations separately from limited liability companies and limited partnerships and returns an output for the search criteria in the respective groups regardless of the current status.

Although every attempt has been made to ensure that the information contained in the database is accurate, the Secretary of State's office is not responsible for any loss, consequence, or damage resulting directly or indirectly from reliance on the accuracy, reliability, or timeliness of the information that is provided. All such information is provided "as is." For information on ordering copies of the official business entity records for a particular entity, please refer to [Information Requests](#).

ATTACHMENT G
DESIGNATION OF SUBCONTRACTOR FORM



City of Long Beach
 Purchasing Division
 411 West Ocean Boulevard, 6th Floor
 Long Beach, CA 90802

DESIGNATION OF SUBCONTRACTOR FORM

Contractor's Company Name Waterline Technologies Inc.

Contractor's License No. 263844

Contractor's License Classifications C53 C61/D35

Contractor's DIR Registration No. 1000006327 Exp. Date 06/30/2022

List all proposed subcontractors for this bid.

Check this box if no subcontractors are to be used for any of the proposed work.

Name of Subcontractor _____

Address _____

License No. _____

License Class. _____

DIR Registration No. _____ Exp. Date _____

Description & Portion of Work _____

Name of Subcontractor _____

Address _____

License No. _____

License Class. _____

DIR Registration No. _____ Exp. Date _____

Description & Portion of Work _____

Name of Subcontractor _____

Address _____

License No. _____

License Class. _____

DIR Registration No. _____ Exp. Date _____

Description & Portion of Work _____

Duplicate this form as necessary to complete subcontractor list.

ATTACHMENT H
LOCAL PREFERENCE

ATTENTION LONG BEACH BUSINESS OWNERS:

In order to help support the success of businesses in Long Beach such as yours along with local jobs, the City of Long Beach has a local preference provision.

In bids for materials, equipment, supplies and nonprofessional services, Long Beach-based businesses meeting the criteria set forth below may have their bid price reduced by ten percent solely for the purpose of determining the lowest responsible bid (if selected as the winning bid, you would be paid based upon your actual bid price, not the reduced price).

The maximum preference a bidder may be awarded pursuant to this Section and any other provision of law shall be ten percent (10%). However, in no case shall the maximum preference cost under this Section exceed ten thousand dollars (\$10,000.00) for any bid.

The City Purchasing Agent has determined that the local preference is applicable to this Invitation to Bid. (The local preference does not apply to bids for all purchases funded in full or a fraction thereof by any tidelands fund, by any grant funds, nor by any funds received from the State of California. This section shall not apply to purchases made pursuant to Section 1801 and 1807 of the City Charter and to bids for public works, as that term is defined in Section 1720(a) of the California Labor Code.)

If your business qualifies for the local preference, please certify your eligibility by signing on the space provided below and attaching copies of the following documents to your bid package:

1. A current, valid business license from the City of Long Beach showing a place of business within the city limits; and
2. A current, valid seller's permit (also known as a sales tax permit) showing a place of business within the city limits.

CERTIFICATION

I certify that I possess a current valid City of Long Beach business license and a current valid seller's permit, both showing a place of businesses in the City of Long Beach, and that I am eligible for the City of Long Beach local preference.

Signature

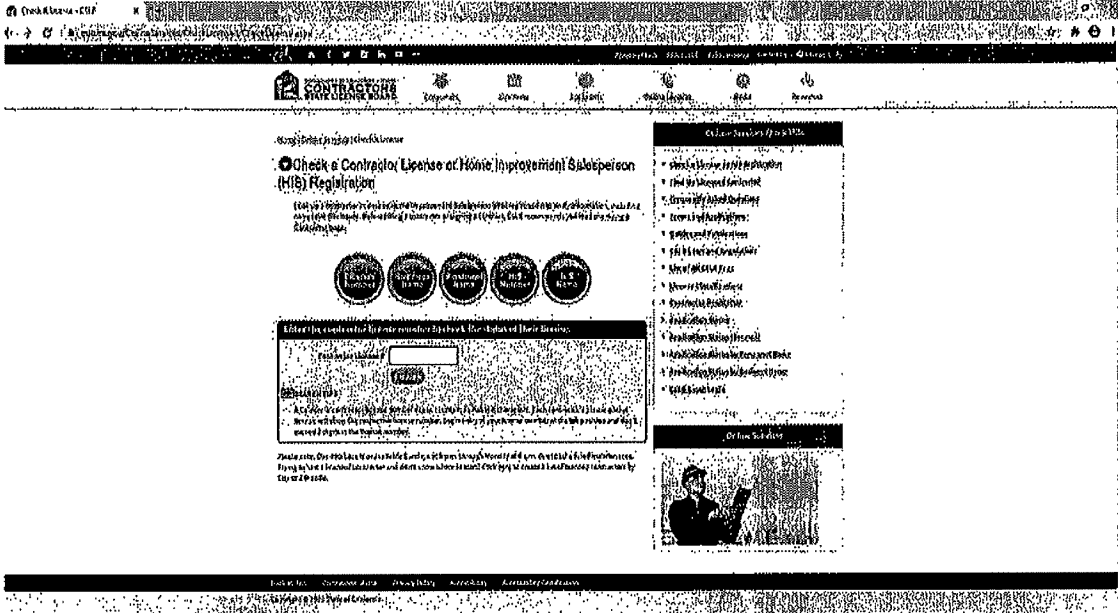
Printed Name

Date

Title

CONTRACTOR'S STATE LICENSE BOARD PRINTOUT

<https://www.cslb.ca.gov>



Please include a print-out from this website with your bid. (If applicable)

Contractor's License Detail for License # 263844



DISCLAIMER: A license status check provides information taken from the CSLB license database. Before relying on this information, you should be aware of the following limitations.

- CSLB complaint disclosure is restricted by law ([B&P 7124.6](#)) If this entity is subject to public complaint disclosure click on link that will appear below for more information. Click [here](#) for a definition of disclosable actions.
- Only construction related civil judgments reported to CSLB are disclosed ([B&P 7071.17](#)).
- Arbitrations are not listed unless the contractor fails to comply with the terms.
- Due to workload, there may be relevant information that has not yet been entered into the board's license database.

Business Information

WATERLINE TECHNOLOGIES INC
620 N SANTIAGO ST
SANTA ANA, CA 92701
Business Phone Number:(714) 564-9100

Entity Corporation
Issue Date 07/02/1970
Expire Date 12/31/2022

License Status

This license is current and active.

All information below should be reviewed.

Classifications

- [C53 - SWIMMING POOL](#)
- [C-61 / D35 - POOL AND SPA MAINTENANCE](#)

Bonding Information

Contractor's Bond

This license filed a Contractor's Bond with [FEDERATED MUTUAL INSURANCE COMPANY](#).

Bond Number: 624309

Bond Amount: \$15,000

Effective Date: 01/01/2016

Contractor's Bond History

Bond of Qualifying Individual

The qualifying individual KIRK THOMAS BUTTERMORE certified that he/she owns 10 percent or more of the voting stock/membership interest of this company; therefore, the Bond of Qualifying Individual is not required.

Effective Date: 12/23/2010

BQI's Bond History

Workers' Compensation

This license has workers compensation insurance with the SERVICE AMERICAN INDEMNITY COMPANY

Policy Number: SAMTWC0031501

Effective Date: 07/01/2021

Expire Date: 07/01/2022

Workers' Compensation History

WATERLINE TECHNOLOGIES, INC.



**SANTA ANA
BRANCH**
620 SANTIAGO STREET
SANTA ANA, CA 92701
714.564.9100

**PALM DESERT
BRANCH**
52-570 MELANIE PLACE
PALM DESERT, CA 92211
760.674.0995

City of Long Beach Bid No. : ITB PR22-001

Attachment: Online Ordering

Waterline Technologies does allow customers to order from our website. The website URL is waterlinetechnologies.com. Our website is not connected to bid prices. If customer chooses to order online we will respond with a quote at contract pricing.

Our website offers many products that are not on bid listing. This will allow our customers to see the many products we can provide.

 WATERLINE TECHNOLOGIES, INC.

Search the store

COMMERCIAL POOLS & SPAS ▾ RESIDENTIAL POOLS & SPAS ▾ ENERGY EFFICIENT PRODUCTS ▾ WATER

✓ Our Chemicals are Certified to NSF/ANSI

✓ We Offer Competitive Pricing and Fast Shipping

Thank you

Tom Berrey
November 29, 2021



SAFETY DATA SHEET

OLIN CORPORATION

Product name: Sodium Hypochlorite, 5 - 17%

Issue Date: 04/08/2019

Print Date: 04/08/2019

OLIN CORPORATION 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.

1. IDENTIFICATION

Product name: Sodium Hypochlorite, 5 - 17%

Recommended use of the chemical and restrictions on use

Identified uses: Disinfectant. Paper bleaching agent Water treatment chemicals Biocidal product Bleaching agents, activators and stabilisers Textile bleaching agent

COMPANY IDENTIFICATION

OLIN CORPORATION
190 CARONDELET PLAZA
CLAYTON MO 63105
UNITED STATES

Customer Information Number:

+1 844-238-3445
INFO@OLINBC.com

EMERGENCY TELEPHONE NUMBER

Local Emergency Contact: 1 800-424-9300

2. HAZARDS IDENTIFICATION

Hazard classification

GHS classification in accordance with 29 CFR 1910.1200

Corrosive to metals - Category 1

Skin corrosion - Category 1B

Serious eye damage - Category 1

Label elements

Hazard pictograms



Signal word: DANGER

Hazards

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

Precautionary statements

Prevention

Keep only in original container.
Wash skin thoroughly after handling.
Wear protective gloves/ protective clothing/ eye protection/ face protection.

Response

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/doctor.
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.
Wash contaminated clothing before reuse.
Absorb spillage to prevent material damage.

Storage

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

Disposal

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

Other hazards

Contact with acids liberates toxic gas.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms: Sodium Hypochloride

This product is a substance.

Component	CASRN	Concentration
Sodium hypochlorite	7681-52-9	>= 5.0 - <= 17.0 %
Water	7732-18-5	>= 83.0 - <= 95.0 %
Sodium hydroxide	1310-73-2	>= 0.1 - <= 4.5 %

4. FIRST AID MEASURES

Description of first aid measures

General advice:

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.

Inhalation: Move person to fresh air; if effects occur, consult a physician.

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.

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.

Ingestion: Do not induce vomiting. Give one cup (8 ounces or 240 ml) of water or milk if available and transport to a medical facility. Do not give anything by mouth unless the person is fully conscious.

Most important symptoms and effects, both acute and delayed:

Aside from the information found under Description of first aid measures (above) and Indication of immediate medical attention and special treatment needed (below), any additional important symptoms and effects are described in Section 11: Toxicology Information.

Indication of any immediate medical attention and special treatment needed

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.

5. FIREFIGHTING 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.

Special hazards arising from the substance or mixture

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.

Unusual Fire and Explosion Hazards: No data available

Advice for firefighters

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

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

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Evacuate area. Only trained and properly protected personnel must be involved in clean-up operations. Wear suitable protective equipment. Keep upwind of spill. Avoid breathing vapor. Ventilate area of leak or spill. Avoid all contact. Keep people away from and upwind of spill/leak. Wear suitable protective clothing. Use appropriate safety equipment. For additional information, refer to Section 8, Exposure Controls and Personal Protection.

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

Methods and materials for containment and cleaning up: Contain spilled material if possible. 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. Soak up with inert absorbent material (e.g. sand, silica gel, polypropylene absorbent).

7. HANDLING AND STORAGE

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

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

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure limits are listed below, if they exist.

Component	Regulation	Type of listing	Value/Notation
Sodium hypochlorite	US WEEL	STEL	2 mg/m ³
Sodium hydroxide	ACGIH	C	2 mg/m ³
	OSHA Z-1	TWA	2 mg/m ³
	OSHA P0	C	2 mg/m ³

Exposure controls

Engineering controls: Use local exhaust ventilation, or other engineering controls to maintain airborne levels below exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, general ventilation should be sufficient for most operations. Local exhaust ventilation may be necessary for some operations.

Individual protection measures

Eye/face protection: Use chemical goggles.

Skin protection

Hand protection: 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.

Other 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.

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. The following should be effective types of air-purifying respirators: Particulate filter.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Physical state	liquid
Color	Not available
Odor	pungent
Odor Threshold	No data available
pH	12 - 14
Melting point/range	-20 °C (-4 °F) <i>Literature</i>
Freezing point	-20 °C (-4 °F) <i>Literature</i>
Boiling point (760 mmHg)	No data available
Flash point	Not applicable
Evaporation Rate (Butyl Acetate = 1)	No data available
Flammability (solid, gas)	Not expected to form explosive dust-air mixtures.
Lower explosion limit	Not applicable
Upper explosion limit	Not applicable
Vapor Pressure	12 mmHg
Relative Vapor Density (air = 1)	Not available
Relative Density (water = 1)	1.082 - 1.275 at 20 °C (68 °F)

Water solubility	completely miscible
Partition coefficient: n-octanol/water	No data available
Auto-ignition temperature	Not applicable
Decomposition temperature	No data available No test data available
Kinematic Viscosity	No data available
Explosive properties	Not applicable
Oxidizing properties	No information available. Not applicable
Softening point	No data available
Molecular weight	74.5 g/mol
Pour point	No data available

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

10. STABILITY AND REACTIVITY

Reactivity: No data available

Chemical stability: No data available

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.

Incompatible materials: No data available

Hazardous decomposition products: Oxygen.

11. TOXICOLOGICAL INFORMATION

Toxicological information appears in this section when such data is available.

Acute toxicity

Acute oral toxicity

Very low toxicity if swallowed. Swallowing may result in burns of the mouth and throat. Swallowing may result in gastrointestinal irritation or ulceration. May cause nausea and vomiting. May cause abdominal discomfort or diarrhea.

LD50, Rat, > 5,000 mg/kg

Acute dermal toxicity

Prolonged skin contact is unlikely to result in absorption of harmful amounts.

LD50, Rabbit, > 5,000 mg/kg

Acute inhalation toxicity

Excessive exposure may cause irritation to upper respiratory tract (nose and throat) and lungs.

LC50, Rat, dust/mist, > 10.5 mg/l

Skin corrosion/irritation

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

Prolonged contact may cause severe skin burns. Symptoms may include pain, severe local redness, swelling, and tissue damage.

Serious eye damage/eye irritation

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

Sensitization

Did not cause allergic skin reactions when tested in guinea pigs.

For respiratory sensitization:

No relevant data found.

Specific Target Organ Systemic Toxicity (Single Exposure)

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

Specific Target Organ Systemic Toxicity (Repeated Exposure)

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.

Carcinogenicity

Did not cause cancer in laboratory animals.

Teratogenicity

For similar material(s): Has been toxic to the fetus in laboratory animal tests.

Reproductive toxicity

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

Mutagenicity

In vitro genetic toxicity studies were negative in some cases and positive in other cases. Animal genetic toxicity studies were predominantly negative.

Aspiration Hazard

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

12. ECOLOGICAL INFORMATION

Ecotoxicological information appears in this section when such data is available.

Toxicity

Acute toxicity to fish

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), 96 Hour, 0.22 - 0.62 mg/l, Method Not Specified.

Acute toxicity to aquatic invertebrates

EC50, Daphnia magna (Water flea), flow-through test, 48 Hour, 0.035 mg/l, OECD Test Guideline 202

Toxicity to bacteria

EC50, activated sludge, 28.7 mg/l

Long-term (chronic) aquatic hazard

Chronic toxicity to fish

NOEC, Menidia peninsulae (tidewater silverside), flow-through test, 28 d, 0.04 mg/l

Persistence and degradability

Biodegradability: Biodegradation is not applicable.

Bioaccumulative potential

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

Mobility in soil

No relevant data found.

13. DISPOSAL CONSIDERATIONS

Disposal methods: 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.

14. TRANSPORT INFORMATION

DOT

Proper shipping name	Hypochlorite solutions
UN number	UN 1791
Class	8
Packing group	II
Marine pollutant	Sodium hypochlorite
Reportable Quantity	Sodium hypochlorite, Sodium hydroxide

Classification for SEA transport (IMO-IMDG):

Proper shipping name	HYPOCHLORITE SOLUTION
UN number	UN 1791
Class	8
Packing group	II
Marine pollutant	Sodium hypochlorite
Transport in bulk according to Annex I or II of MARPOL 73/78 and the IBC or IGC Code	Consult IMO regulations before transporting ocean bulk

Classification for AIR transport (IATA/ICAO):

Proper shipping name	Hypochlorite solution
UN number	UN 1791
Class	8
Packing group	II

This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations. Additional transportation system information can be obtained through an authorized sales or customer service representative. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

15. REGULATORY INFORMATION

Superfund Amendments and Reauthorization Act of 1986 Title III (Emergency Planning and Community Right-to-Know Act of 1986) Sections 311 and 312

Corrosive to metals
Skin corrosion or irritation
Serious eye damage or eye irritation

Superfund Amendments and Reauthorization Act of 1986 Title III (Emergency Planning and Community Right-to-Know Act of 1986) Section 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.

Pennsylvania Right To Know

The following chemicals are listed because of the additional requirements of Pennsylvania law:

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

California Prop. 65

This product contains no listed substances known to the State of California to cause cancer, birth defects or other reproductive harm, at levels which would require a warning under the statute.

United States TSCA Inventory (TSCA)

All components of this product are in compliance with the inventory listing requirements of the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

16. OTHER INFORMATION**Product Literature**

Additional information on this product may be obtained by calling your sales or customer service contact. Ask for a product brochure. Additional information on this and other products may be obtained by visiting our web page.

Hazard Rating System**NFPA**

Health	Flammability	Instability
3	0	0

Revision

Identification Number: 10000001223 / A619 / Issue Date: 04/08/2019 / Version: 2.0

Most recent revision(s) are noted by the bold, double bars in left-hand margin throughout this document.

Legend

ACGIH	USA. ACGIH Threshold Limit Values (TLV)
C	Ceiling limit
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
STEL	Short-Term TWA
TWA	8-hour time weighted average
US WEEL	USA. Workplace Environmental Exposure Levels (WEEL)

Full text of other abbreviations

AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire

Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

Information Source and References

This SDS is prepared by Product Regulatory Services and Hazard Communications Groups from information supplied by internal references within our company.

OLIN CORPORATION 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

Safety Data Sheet

GHS-Compliant

May be used to comply with
OSHA's Hazard Communication Standard
29 CFR 1910.1200. Standard must be
consulted for specific requirements.



REAGENT CHEMICAL & RESEARCH, INC.
115 US Hwy 202 Ringoes, NJ 08551

PRODUCT IDENTITY

Hydrochloric Acid, 20° or 22° Baume

Safety Data Sheet Revision Date - November 1, 2016

Section 1 - Identification

Product Name	CAS #
Hydrochloric Acid	7647-01-0
Synonym	Chemical Formula
Muriatic Acid	HCl
Chemical Name	Chemical Family
Hydrochloric Acid Solution	Inorganic Acid
Product Use	
Acidification, pH Adjustment	
Manufacturer/Supplier Name	Address
Reagent Chemical & Research, Inc.	115 US Hwy 202 Ringoes, NJ 08551
General Information	Country
1-908-284-2800	United States
Emergency Telephone	Transportation Emergency Number
1-409-899-3400	CHEMTREC 1-800-424-9300

Section 2 - Hazards Identification

GHS Classification:

HEALTH	PHYSICAL
Serious Eye Damage - Category 1	Corrosive to Metals - Category 1
Skin Corrosion - Category 1 B	
Sensitization, Respiratory - Category 1	
Specific Target Organ Toxicity (single exposure) - (Respiratory System) - Category 2	
Specific Target Organ Toxicity (repeated exposure) - (Respiratory System) - Category 2	

GHS Label Elements:

SYMBOLS: corrosion, health hazard



Signal Word: DANGER

Section 2 - Hazards Identification (continued)

GHS Label ELEMENTS:

Hazard Statements

Causes severe skin burns & eye damage

May cause allergic or asthmatic symptoms or breathing difficulties if inhaled

May cause damage to organs (respiratory system) if inhaled

May cause damage to organs (respiratory system) through prolonged or repeated exposure

May be corrosive to metals

Precautionary Statements

PREVENTION

Do not breathe dusts/fume/gas/mist/vapors/spray

Wash face, hands and exposed skin thoroughly after handling

Wear protective gloves/protective clothing/eye protection/face protection

In case of inadequate ventilation, wear respiratory protection

Do not eat, drink or smoke when using this product

Keep only in original container

RESPONSE

IF SWALLOWED: Rinse mouth. DO NOT induce vomiting

IF ON SKIN(or hair): Take off immediately all contaminated clothing. Rinse skin with
water/shower. Wash contaminated clothing before reuse.

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Immediately call emergency medical professional or Poison Control Center

Specific treatment (See Section 4)

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses,
if present and easy to do.

Absorb spillage to prevent material damage

STORAGE

Store locked up

Store in corrosive resistant container/container with resistant inner liner

DISPOSAL

Dispose of contents/container in accordance with federal and state regulations

Section 3 - Composition / Information on Ingredients

Component Description	Percent	CAS #
Hydrogen Chloride	26.00 - 37.00	7647-01-0
Water	63.00 - 74.00	7732-18-5

EXPOSURE LIMITS/REGULATORY INFORMATION

Substance	PEL	TLV	STEL	TWA	CEILING
Hydrogen Chloride	C-7 mg/m3	C-2 ppm	50 ppm	N/D	5 ppm
Water	N/D	N/D	N/D	N/D	N/D

N/D - Not Determined C = Ceiling Level

Section 4 - First Aid Measures

General

If a known exposure occurs or is suspected, immediately initiate the recommended procedures below. Simultaneously contact a physician, or the nearest Poison Control Center. Inform the person contacted of the type and extent of exposure, describe the victim's symptoms and follow the advice given. For additional information, call day or night, Reagent Chemical (409) 899-3400 or Chemtrec (800) 424-9300.

Inhalation

Remove from contaminated atmosphere. If breathing has ceased, clear the victim's airway and start mouth-to-mouth artificial respiration, which may be supplemented by the use of a bag-mask respirator, or a manually-triggered, oxygen supply capable of delivering 1 liter/second or more. If the victim is breathing, oxygen may be administered from a demand-type or continuous-flow inhalator, preferably with a physician's advice. Contact a physician immediately.

Eye Contact

Immediately flush the eyes with large quantities of running water for 15 minutes. Hold the eyelids apart during the flushing to ensure rinsing of the entire surface of the eyes and lids with water. DO NOT attempt to neutralize with chemical agents. Obtain medical attention as soon as possible. Oils or ointments should not be used. Continue the flushing for an additional 15 minutes if the physician is not available.

Skin Contact

Immediately remove contaminated clothing under a safety shower. Flush all affected areas with large amounts of water for 15 minutes. DO NOT attempt to neutralize with chemical agents. Obtain medical advice.

Ingestion

DO NOT induce vomiting. Immediately give large quantities of water or milk, if available. If vomiting does occur, give fluids again. Never give anything by mouth to an unconscious person. Call a physician or the nearest Poison Control Center.

Medical Conditions Generally Aggravated by Exposure

Hydrogen Chloride will aggravate breathing disorders

Note to Physician

Attending Physician should treat exposed patients symptomatically

Section 5 - Fire Fighting Measures

Extinguishing Method

Not Applicable, use water to dilute spills and to flush them away from ignition sources.

Unusual Fire and Explosion Hazards

Non-flammable, but Hydrochloric Acid reacts with metals.

Special Firefighting Procedures

Non-flammable, but Hydrochloric Acid reacts with all metals, except gold and

platinum, with rapid evolution of Hydrogen which is flammable and explosive in air.

Firefighters exposed to Hydrochloric Acid vapors should wear Scott Air-Pak, or

equivalent. Hydrogen Chloride vapors are extremely irritating to the respiratory

tract and may cause breathing difficulty.

Section 6 - Accidental Release Measures

Steps to be Taken in Case Material is Released or Spilled

Spills or discharges into the environment involving large quantities of Hydrochloric

Acid should be controlled and cleaned-up according to a pre-determined, affirmative

written Spill Prevention and Control Program. For assistance in developing a SPCP

contact your nearest Reagent Sales Office. Refer to Section 15 for spill/release

reporting information.

Spills should be handled immediately by neutralization and dilution of the spilled

product by the use of Soda Ash (Sodium Carbonate), Lime (Calcium Hydroxide), or

Limestone (Calcium Carbonate) with large amounts of water. For an interior (inside

a closed space) spill be aware that the use of Soda Ash, Lime and Limestone will

evolve heat and carbon dioxide and that ample ventilation must be provided.

Waste Disposal

Under Federal RCRA, it is the responsibility of the user of products to determine,

at the time of disposal, whether the product falls under RCRA as a hazardous waste.

This is because product uses, transformations, mixtures, etc. may render the

resulting end-product hazardous.

Container Disposal

Containers should be cleaned of residual product before disposal. Empty containers

should be disposed of in accordance with all applicable laws and regulations.

Section 7 - Handling and Storage

Handling

Chemical goggles and full face shield must be worn at all times by personnel

exposed to or handling Hydrochloric Acid. The use of a NIOSH approved cartridge

respirator or a Scott Air-Pak should be used by all personnel exposed.

Storage

Store containers in a cool, dry location away from direct sunlight, sources of

intense heat, or where freezing may occur. Store material in acid-proof container.

Keep container tightly closed when not in use. Keep container away from incompatible

materials. All loading, unloading, and storage equipment must be inspected prior to

any transfer operations are initiated.

Section 7 - Handling and Storage (continued)

General Comments

Impervious clothing, gloves, footwear and head gear must be worn at all times

by personnel exposed to or handling Hydrochloric Acid.

Precautions to be Taken in Handling and Storage

Make sure all personnel involved in housekeeping and spill clean-up follow good

Industrial Hygiene practices and wear proper protective equipment.

Section 8 - Exposure Controls / Personal Protection

EXPOSURE LIMITS

Substance	PEL	TLV	STEL	TWA	CEILING
Hydrogen Chloride	C-7 mg/m ³	C-5 ppm	50 ppm	N/D	5 ppm
Water	N/D	N/D	N/D	N/D	N/D

N/D - No Data Available C = Ceiling Level

Respiratory Protection

Maintain airborne contaminate levels below listed guidelines. Use with adequate

ventilation. Use a mechanical fan or vent area to scrubber. Use NIOSH approved

respiratory protection if exposure limits are exceeded.

Ventilation

Local Exhaust

If PEL exceeded

Special

Vent fumes to appropriate scrubber

Mechanical (General)

If PEL exceeded

Other

Not Applicable

Skin Protection

Wear neoprene rubber gloves to minimize skin contact. Additional protection may be

necessary to prevent skin contact including use of impervious clothing, face shield,

boots or full body protection. A safety shower should be located in the work area.

Eye Protection

Splash goggles or full face respirator. Face shields are recommended. Eye-wash

stations should be available where eye contact can occur.

Other Protection

Use body protection appropriate for task. An impervious clothing or other impermeable

body protection is suggested. Full body chemical protection is recommended for

emergency response procedures.

Section 9 - Physical and Chemical Properties

Boiling Point	230 F	Specific Gravity (H ₂ O = 1)	1.13 - 1.19
Vapor Pressure (mm Hg)	50 - 60 mm	Freezing Point	-.12 F to -63 F
Vapor Density (AIR = 1)	No Data Available	Density	9.48 - 9.61
pH	< 1	Odor Threshold	0.25 - 10 ppm
Flash Point	Not Flammable	Evaporation Rate	No Data Available
Flammability	Not Flammable	Flammability Limits	Not Flammable
Auto Ignition Temperature	Not Flammable	Partition Coefficient	No Data Available
Viscosity (at 15 C)	2.3 mPa.s	Decomposition Temperature	No Data Available

Solubility in Water

miscible

Appearance and Odor

Clear/Slightly yellow with a sharp pungent odor

Section 10 - Stability and Reactivity

Stability	Unstable		Conditions to Avoid Hydrochloric Acid is extremely reactive. Avoid contact with metal surfaces and oxidizing agents.
	Stable	X	

Incompatibility (Materials to Avoid)
 Hydrochloric Acid is chemically stable when properly contained and handled. It is a strong mineral acid and reacts with many metals and metal oxides and hydroxides to form the equivalent metal chloride. It reacts with zeolites and other silicious compounds to form Hydrosilicic Acid; it reacts with carbonates to form Carbon Dioxide and Water. It is oxidized by Oxygen or electrolysis to form Chlorine, a lethal, poisonous gas. It reacts with alkaline compounds to form a neutral salt. It is a hydrolyzing agent for carbohydrates, esters and other compounds. It's reaction with most metals will produce Hydrogen, an explosive gas. Violent reactions will result when Hydrochloric Acid Reacts with acetic anhydride, 2-aminoethanol, ammonium hydroxide, calcium phosphide, chlorosulfonic acid, ethylene diamine, ethylene imine, oleum (fuming sulfuric acid), perchloric acid, beta propiolactone, propylene oxide, sodium hydroxide, sulfuric acid, uranium phosphide and vinyl acetate. This listing is not all-inclusive.

Hazardous Decomposition or By-products
 Extreme heat may cause the product to decompose, producing toxic fumes which may include chlorine compounds.

Hazardous Polymerization	May Occur		Conditions to Avoid Extreme heat and contact with incompatible materials
	Will Not Occur	X	

Section 11 - Toxicological Information

Route(s) of Entry:	Inhalation? Yes	Skin? Yes	Ingestion? Yes
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Health Hazards (Acute and Chronic)
 Hydrogen Chloride, both as a gas and in a solution as Hydrochloric Acid, is a corrosive substance and can cause severe and painful burns on contact with any part of the body or if taken internally. The mucous membranes of the eyes and the upper respiratory tract are especially susceptible to the injurious effects of high atmospheric concentrations of Hydrogen Chloride. The gas or vapor is so penetrating and pungent that when high concentrations do occur, those exposed should immediately leave the contaminated area.

Carcinogenicity:	NTP? No Data Available	IARC Monographs? No Data Available	OSHA Regulated? No Data Available
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Signs and Symptoms of Exposure
 Exposure to Hydrochloric acid may cause severe burns at the contact points
Medical Conditions Generally Aggravated by Exposure
 Exposure to fumes may aggravate dermatitis and breathing disorders.

Section 11 - Toxicological Information (continued)

Specific Target Organ Toxicity (Single Exposure)

Respiratory System - May cause respiratory injury/irritation

Specific Target Organ Toxicity (Repeated Exposure)

Respiratory System - May cause respiratory injury/irritation

Toxicology

Hydrogen Chloride

Inhalation Data

Human LC₅₀ - 1300 ppm/30 min

Rat LC₅₀ - 4701 ppm/30 min

Oral (rabbit)

LD₅₀ - 900 mg/kg

Oral (rat)

LD₅₀ - 700 mg/kg

Dermal (rabbit)

LD₅₀ - 5010 mg/kg

Germ Cell Mutagenicity

No Data Available

Skin Corrosion/Irritation

Causes severe skin burns and eye damage pH <1

Serious Eye Damage/Irritation

Causes severe eye damage pH <1

Respiratory or Skin Sensitization

Corrosive to respiratory tract with concentrated or repeated exposures

Section 12 - Ecological Information

Ecological Toxicity

Animals exposed to hydrochloric acid solution will experience tissue damage, burns and

may be killed. Plants contaminated with hydrochloric acid solutions of low pH may be

adversely effected or destroyed. High concentrations have been shown to be detrimental

to aquatic life. A release into a body of water will kill fish and other aquatic life.

Other Ecological Information

Hydrochloric acid is stable and found naturally in the environment. All work practices

should be aimed at eliminating environmental contamination.

Chemical Fate Information

Hydrochloric acid is naturally occurring in the environment.

Other Regulatory Information

No other regulatory information is available on this product.

Section 13 - Disposal Considerations

As sold, this product, when discarded or disposed of, is a hazardous waste according

to Federal regulations (40 CFR 261). It is listed as Hazardous Waste Number D002,

listed due to its corrosivity. The transportation, treatment and disposal of this waste

material must be conducted in compliance with 40 CFR 262, 263, 264, 268 and 270.

Disposal can occur only in properly permitted facilities. Refer to state and local

statutes for any additional requirements, as they may differ from Federal laws.

Waste Disposal

Under Federal RCRA, it is the responsibility of the user of products to determine,

at the time of disposal, whether the product falls under RCRA as a hazardous waste.

This is because product uses, transformations, mixtures, etc. may render the

resulting end-product hazardous.

Container Disposal

Containers should be cleaned of residual product before disposal. Empty containers

should be disposed of in accordance with all applicable laws and regulations.

Section 14 - Transport Information**Regulated Material**

Hydrochloric Acid is defined as hazardous by the US DOT and Transport Canada

North American Emergency Response Guide Book

ID # 1789 Guide #157 2016 Revision

DOMESTIC SHIPPING INFORMATION

Proper Shipping Name	Hydrochloric Acid	Hazard Classification	Corrosive
UN/NA Identification	UN 1789	Hazard Class	Class 8
DOT Labels Required	Corrosive	Packaging Group	II

INTERNATIONAL SHIPPING INFORMATION

Proper Shipping Name	Hydrochloric Acid	Hazard Classification	Corrosive
UN/NA Identification	UN 1789	Hazard Class	Class 8
Labels Required	Corrosive	Packaging Group	II

Section 15 - Regulatory Information**U.S. Federal Regulations****Comprehensive Environmental Response and Liability Act of 1980 (CERCLA):**

Chemical Name: Hydrochloric Acid CAS # 7647-01-0 RQ - 5000 lbs

Toxic Substances Control Act (TSCA):

All components of this product are included on the TSCA inventory

OSHA Hazard Communication Standard Classification:

Corrosive as defined by the OSHA Hazard Communication Standard.

Clean Water Act (CWA):

Chemical Name: Hydrochloric Acid CAS # 7647-01-0 Listed as Hazardous

No chemical components listed as Priority pollutants or Toxic pollutants

Clean Air Act (CAA):

Hydrochloric acid, CAS 7647-01-0, is listed as a hazardous air pollutant (HAP)

US Environmental Protection Agency Risk Management Plan (RMP) Regulated:

No, Hydrochloric acid solution under 37% is not regulated

Superfund Amendments and Reauthorization Act (SARA) Title III Information:

SARA Section 302: Hydrochloric Acid CAS # 7647-01-0 TPQ 5000 lb EPCRA RQ

SARA Section 313: Hydrochloric Acid CAS # 7647-01-0

National Sanitation Foundation Limits (ANSI/NSF Standard 60):

Maximum Drinking Water Use Concentration - 40 mg/l

Scale and Corrosion Control at Maximum 40 mg/l

State Regulations**California Safe Drinking Water Act (Prop 65) Listing:**

No ingredients listed in this section

California Right to Know Act:

Chemical Name: Hydrochloric Acid CAS # 7647-01-0

Section 15 - Regulatory Information (continued)

New Jersey Right to Know Act:

Chemical Name: Hydrochloric Acid CAS # 7647-01-0

Chemical Name: Water CAS # 7732-18-5

Massachusetts Right to Know Act Substance List (MSL)::

Chemical Name: Hydrochloric Acid CAS # 7647-01-0

Pennsylvania Right to Know Act Hazardous Substance List:

Chemical Name: Water CAS # 7732-18-5

Chemical Name: Hydrochloric Acid CAS # 7647-01-0

International Regulations**Canadian Domestic Substance List (DSL) Inventory Listing:**

Chemical Name: Hydrochloric Acid CAS # 7647-01-0

Canadian Ingredient Disclosure List

Chemical Name: Hydrochloric Acid CAS # 7647-01-0

Canadian Workplace Hazardous Materials Information System (WHMIS):

Class E: Corrosive material

This product has been classified according to the hazard criteria of the CPR
and the MSDS contains all of the information required by the CPR

European Inventory of Existing Chemicals (EINECS):

Chemical Name: Hydrochloric Acid EINECS # 2315957

EU Labeling in Accordance with EC Directives:

Hazard Symbols: C

EU Risk (R) and Safety (S) Phrases:

R23/24/25: Toxic by inhalation, in contact with skin and if swallowed

R37/38: Irritating to respiratory system and skin

R41: Risk of serious damage to eyes

S36/37: Wear suitable protective clothing and gloves

S45: In case of accident or if you feel unwell, seek medical advice immediately

S53: Avoid exposure - obtain special instructions before use

S61: Avoid release to the environment. Refer to safety data sheet

Japanese Minister of International Trade and Industry (MITI) Inventory Listing:

Chemical Name: Hydrochloric Acid SECTION STRUCTURE # 1-324

Australian Inventory of Chemical Substances (AICS) Listing:

Chemical Name: Hydrochloric Acid CAS # 7647-01-0

US Census Bureau - Foreign Trade Identification

Chemical Name: Hydrochloric Acid HTS & Schedule B # 2806.10.0000

Section 16 - Other Information

Created By	MSDS Revision Date		
Product Safety - 6/1/98	November 1, 2016		
MSDS Revision Number	Revision Indicator		
Revision # 012	Response Guidebook Reference Update		
MSDS Contact			
Robert Dritschel 908-284-2800			
Does Product Contain, or is Manufactured with, CPC's?			
No			
National Fire Protection Association (NFPA) Ratings:			
Health - 3	Flammability - 0	Instability - 0	Other Hazard Information - ACID
Hazardous Material Identification System (HMIS):			
Health - 3	Flammability - 0	Physical Hazard - 0	Protective Equipment - X
North American Emergency Response Guide Book			
ID # 1789	Guide #157	2016	Revision

Disclaimer of Liability

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Swim Best® SAFETY DATA SHEET

1. PRODUCT IDENTIFICATION

Product Name: CHLORINATOR & SHOCK
Synonym(s): Sodium dichloroisocyanurate dihydrate; Sodium dichloro-s-triazinetrione dihydrate; Dichlor dihydrate; 1,3,5-Triazine-2,4,6(1H,3H,5H)-trione; Troclosene sodium; dihydrate; SDCC dihydrate; NaDCC dihydrate; Dichloroisocyanuric acid sodium salt.
Recommended Uses: Disinfectant, Sanitizer, Bactericide and Algaecide
SDS Reference: 53
Company Information: ALLCHEM PERFORMANCE PRODUCTS, INC. **Distributed By:** WATER TECHNIQUES, INC
6010 NW FIRST PLACE 14260 W. NEWBERRY RD #162
GAINESVILLE, FL 32607 NEWBERRY FL 32669
Tel: 352-378-9696
24 HOUR EMERGENCY NUMBER: INFOTRAC (TRANSPORTATION): 1-800-535-5053

2. HAZARD(S) IDENTIFICATION

Classification: CORROSIVE
FATAL IF INHALED
HARMFUL IF SWALLOWED
TARGET ORGAN TOXICITY (SINGLE)
ENVIRONMENTAL HAZARD



Signal Word: DANGER

Hazard Statements: HEALTH HAZARDS:
Skin Corrosion/Irritant: Causes severe skin burns and eye damage - Category 1C
Eye Damage/Irritation: Causes serious eye damage - Category 1
Inhalation Toxicity: Fatal if inhaled - Category 2
Oral Toxicity: Harmful if swallowed - Category 4
Target Organ Toxicity (single exposure) May cause respiratory tract irritation - Category 3
ENVIRONMENTAL HAZARD:
Very toxic to aquatic organisms. Very toxic to aquatic life with long lasting effects.

Precautionary Statements: Do not breathe dust, fume, gas, mist, vapors, or spray. In case of inadequate ventilation, wear respiratory protection. Wear protective gloves, protective clothing, eye, and face protection. Wash face, hands and any exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Keep container tightly closed and store locked up. Avoid release to the environment.
ADDITIONAL HAZARD INFORMATION: This material is corrosive. Product has strong buffering capability. Use dilution. May cause burns to moist skin if not promptly removed. There is no specific antidote.

Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Skin Contact: Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse.

Inhalation: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or doctor/physician. Specific treatment is urgent (see Section 4 of SDS or first aid information on this label).

Ingestion: Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER or doctor/physician if you feel unwell. Specific treatment (see First Aid information on product label and/or Section 4 of the SDS).
Hazards Not Otherwise Classified (HNOC):
Damp or wet material may generate nitrogen trichloride, an explosion hazard.
Contact with acids liberates toxic gas.

3. COMPOSITION

	PERCENT %	CAS #
Chemical Name: Sodium Dichloroisocyanurate, Dihydrate	98 - 100	51580-86-0
Sodium Chloride	0.1 - 1	7647-14-5

4. FIRST AID

If In Eyes: Immediately flush contaminated eyes with a directed stream of water for as long as possible. Remove contact lenses, if present, then continue rinsing. GET MEDICAL ATTENTION IMMEDIATELY.

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If on Skin or Clothing:	Immediately flush contaminated areas with water. Remove contaminated clothing, jewelry, and shoes immediately. Wash contaminated areas with soap and water. GET MEDICAL ATTENTION. Thoroughly clean and dry contaminated clothing and shoes before reuse.
If Inhaled:	If inhalation of dust occurs and adverse effects result, remove to uncontaminated area. Evaluate ABC's (Is Airway constricted, Is Breathing occurring, and Is blood Circulating) and treat symptomatically. GET MEDICAL ATTENTION IMMEDIATELY. There is no specific antidote, treat symptomatically.
If Swallowed:	If swallowed, do not induce vomiting. Give large amounts of water. If vomiting occurs spontaneously, keep airway clear. Give more water when vomiting stops. Never give anything by mouth to an unconscious or convulsive person. GET MEDICAL ATTENTION IMMEDIATELY.
Note:	Probable mucosal damage may contraindicate the use of gastric lavage. Have the product container or label with you when calling a poison control center or doctor, or going for treatment. Acute Symptoms/Effects: Listed below. Inhalation (Breathing): Respiratory System Effects: Exposure to the solid product or to free chlorine evolving from the product may cause Irritation, redness of upper and lower airways, coughing, laryngospasm and edema, shortness of breath, bronchoconstriction, and possible pulmonary edema. The pulmonary edema may develop several hours after a severe acute exposure. Skin: Skin Corrosion. Exposure to solid along with moisture may cause redness, irritation, burning sensation, swelling, blister formation, first, second, or third degree burns. Eye: Serious Eye Damage. Exposure to eyes may cause irritation and burns to the eye lids, conjunctivitis, corneal edema, and corneal burn. Significant and prolonged contact may cause damage to the internal contents of the eye. Ingestion (Swallowing): Gastrointestinal Effects: Exposure by ingestion may cause irritation, nausea, and vomiting. May cause local tissue damage to esophagus and stomach such as burning, inflammation, local ulceration, and may cause gastrointestinal bleeding. Delayed Symptoms/Effects: - Repeated and prolonged skin contact may cause a dermatitis. Notes to Physician: Treat as a corrosive substance. This material is more irritating to the skin and eyes in the presence of water. For prolonged exposures and significant exposures, consider delayed injury to exposed tissues. There is no antidote. Cyanuric acid is readily removed from the body via the renal system, and is not bioaccumulated. Treatment is supportive care. Follow normal parameters for airway, breathing, and circulation.

5. FIREFIGHTING MEASURES

Suitable / Unsuitable Extinguishing Media:	Flood with water. Do not use ABC fire extinguishers. Do not use dry chemicals, carbon dioxide, or halogenated extinguishing agents.
Specific Hazards from Chemical:	Negligible fire hazard. If heated by outside source to temperatures above 240°C (464°F), this product will undergo decomposition with the evolution of noxious gases but no visible flame. Wet material may generate nitrogen trichloride, an explosion hazard. This product is an NFPA Class 1 Oxidizer. Fire Fighting: Consider evacuation of personnel located downwind. Keep unnecessary people away, isolate hazard area and deny entry. Move container from fire area if it can be done without risk. Avoid inhalation of material or combustion by-products. Stay upwind and keep out of low areas. Containers which appear undamaged, except for being damp on the outside, should be opened and inspected immediately. DO NOT attempt to reseal contaminated drums. Damp material should be neutralized to a non-oxidizing state.
Special Protective Equipment:	Wear NIOSH approved positive-pressure self-contained breathing apparatus operated in pressure demand mode.
Other Information:	Hazardous Combustion Products: Chlorine, Nitrogen, Nitrogen trichloride, Cyanogen chloride, Oxides of carbon, Phosgene.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Keep unnecessary and unprotected persons away. Isolate hazard area and deny entry. Do not get in eyes, on skin or on clothing. Do not breathe dust, fume, gas, mist, vapors, or spray. Wear appropriate personal protective equipment recommended in Section 8, Exposure Controls / Personal Protection, of the SDS.
Methods and Materials for cleanup:	DO NOT add water to spilled material. DO NOT use floor sweeping compounds to clean up spills. Sweep and scoop spilled material into clean, dedicated equipment. Every attempt should be made to avoid mixing spilled material with other chemicals or debris when cleaning up. DO NOT attempt to reseal contaminated drums. DO NOT transport wet or damp material. Damp material should be neutralized to a non-oxidizing state. Environmental Precautions: This material is very toxic to aquatic life. This material is very toxic to aquatic life with long lasting effects. Keep out of water supplies and sewers. Releases should be reported, if

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required, to appropriate agencies.

7. HANDLING AND STORAGE

Handling: Do not get in eyes, on skin, or on clothing. Avoid breathing vapors or dust when opening container. Avoid creation of dust. Wash thoroughly after handling. Wear personal protective equipment as described in Exposure Controls/Personal Protection (Section 8) of the SDS. NEVER add water to this product. Always add product to large quantities of water. Use clean, dry utensils. Do not add the product to any dispensing device containing residuals of other products.

Storage: Store in original container and in a dry area where temperatures do not exceed 52°C (125°F) for 24 hours. Store and handle in accordance with all current regulations and standards. Do not allow water to get in container. If liner is present, tie after each use. Keep container tightly closed and properly labeled. Store containers on pallets. Keep away from food, drink and animal feed. Keep separated from incompatible substances (see Section 10 of the Safety Data Sheet). (NFPA Oxidizer Class 1)

8. EXPOSURE CONTROLS / PERSONAL PROTECTIONS

OSHA permissible exposure limit: Regulatory Exposure Limit(s): None. This product does not contain any components that have regulatory occupational exposure limits (OEL's) established.
OEL: Occupational Exposure Limit; OSHA: United States Occupational Safety and Health Administration; PEL: Permissible Exposure Limit; TWA: Time Weighted Average; STEL: Short Term Exposure Limit
NON-REGULATORY EXPOSURE LIMIT(S): None. This product does not contain any components that have advisory (non-regulatory) occupational exposure limits (OEL's).
- The Non-Regulatory United States Occupational Safety and Health Administration (OSHA) limits, if shown, are the Vacated 1989 PEL's (vacated by 58 FR 35338, June 30, 1993).
- The American Conference of Governmental Industrial Hygienists (ACGIH) is a voluntary organization of professional industrial hygiene personnel in government or educational institutions in the United States. The ACGIH develops and publishes recommended occupational exposure limits each year called Threshold Limit Values (TLVs) for hundreds of chemicals, physical agents, and biological exposure indices.
Additional Advice: Chlorine and chlorine compounds may be found in slight amounts in the head space of containers of this product.

Appropriate Engineering Controls: Use only in well-ventilated areas. Provide local exhaust ventilation where dust or mist may be generated. Ensure compliance with applicable exposure limits.

Individual Protection Measures:
Eye Protection: Wear chemical safety goggles. Provide an emergency eye wash fountain and quick drench shower in the immediate work area.
Skin and Body Protection: Wear protective clothing to minimize skin contact. When potential for contact with dry material exists, wear disposable coveralls suitable for dust exposure, such as Tyvek[®]. Contaminated clothing should be removed and laundered before reuse.
Hand Protection: Wear appropriate chemical resistant gloves. Consult a glove manufacturer for assistance in selecting an appropriate chemical resistant glove.
Protective Material Types: Butyl rubber, Natural rubber, Neoprene, Nitrile, Polyvinyl chloride (PVC), Tyvek[®].
Respiratory Protection: A NIOSH approved respirator with N95 (dust, fume, mist) cartridges may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits, or when symptoms have been observed that are indicative of overexposure. The added protection of a full face piece respirator is required when visible dusty conditions are encountered and eye irritation may occur. Acid gas cartridges with N95 filters are required when fumes or vapor may be generated. A respiratory protection program that meets 29 CFR 1910.134 must be followed whenever workplace conditions warrant use of a respirator.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: White Granules, Crystals	Flammability (solid/gas): Not Flammable
Odor: Slight chlorine-like	Upper/lower Flammability or Not Flammable
Odor Threshold: No data available	Exposure limits:
pH: 6-7 @ 25°C (1% solution)	Vapor Pressure: No data available
Melting Point/Freezing Point: Decomposes without melting @ 252°C	Vapor Density: Not Applicable
	Density: 56 - 60 lbs/ft ³
	Solubility(lbs): 26.5 g/100 g @ 25°C

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Initial Boiling Point/Boiling Range:	Not Applicable	Partition Coefficient: n-octanol/water: Kow = 0
Flash Point:	Not Applicable	Auto-ignition Temperature: Not determined
		Decomposition Temperature: 486°F (252°C) - dehydrates at 104 - 212°F (40 - 100°C)
Evaporation Rate:	Not Applicable	Viscosity: Not Applicable

10. STABILITY AND REACTIVITY

Stability/Reactivity:	Stable under normal temperatures and pressures. NPFA Class 1 Oxidizer.
Possibilities of Hazardous Reactions:	Hazardous Polymerization: Will Not Occur.
Conditions to Avoid:	None known.
Incompatible Materials:	Acids, ammonia, bases, floor sweeping compounds, calcium hypochlorite, reducing agents, organic solvents and compounds.
Hazardous Decomposition Materials:	Nitrogen, nitrogen trichloride, cyanogen chloride, oxides of carbon, phosgene.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity:	<p>PRODUCT TOXICITY:</p> <p>Oral LD50 (Rat): Sodium dichloroisocyanurate dihydrate: 1823 mg/kg (Rat) Rabbit dermal LD50: Sodium dichloroisocyanurate dihydrate: >2000 mg/kg (Rabbit) Inhalation LC50 (rat): Sodium dichloroisocyanurate dihydrate: 0.27 mg/l - 1.17 mg/l (4 hr Rat)</p> <p>IRRITATION DATA:</p> <p>PRIMARY SKIN IRRITATION: Severe Irritation, Corrosive (rabbit, 24 hr) PRIMARY EYE IRRITATION: Severe Irritation, Corrosive (rabbit, 24 hr)</p> <p>COMPONENT TOXICITY</p> <p>Oral LD50 (rat) Sodium dichloroisocyanurate dihydrate: 735 mg/kg (Rat) Sodium Chloride: 3 g/kg (Rat)</p> <p>Rabbit dermal LD50: Sodium dichloroisocyanurate dihydrate: 2000 mg/kg (Rabbit) Sodium Chloride: 10 g/kg (Rabbit)</p> <p>Inhalation LC50 (rat): Sodium dichloroisocyanurate dihydrate: 50 mg/l (4 hr Rat) Sodium Chloride: 42 g/m³ (1 hr Rat)</p> <p>POTENTIAL HEALTH EFFECTS:</p> <p>Eye contact: Eye exposures may cause burns to the eye lids, conjunctivitis, corneal edema, and corneal burn. Significant and prolonged contact may cause damage to the internal contents of eye.</p> <p>Skin contact: Exposure to solid along with moisture may cause redness, irritation, burning sensation, swelling, blister formation, first, second, or third degree burns. Dry material is less irritating than wet material. This material is not a skin sensitizer based on studies with guinea pigs.</p> <p>Inhalation: This material in the form as sold is not expected to produce respiratory effects. Particles of respirable size are generally not encountered. The respirable fraction is typically less than 0.1% by weight for the granular and extra granular grades. If ground or otherwise in a powdered form, effects similar to a corrosive substance may occur. Exposure to the solid product or to free chlorine evolving from the product may cause irritation, redness of upper and lower airways, coughing, laryngospasm and edema, shortness of breath, bronchoconstriction, and possible pulmonary edema. The pulmonary edema may develop several hours after a severe acute exposure.</p> <p>Ingestion: Exposure by ingestion may cause irritation, nausea, and vomiting. May cause local tissue damage to epiglottis, mucus membranes of the mouth, esophagus and stomach such as burning, inflammation, local ulceration, and may cause gastrointestinal bleeding.</p> <p>Chronic Effects: None identified for the parent chemical. Based on animal studies, exposure to concentrations of monosodium cyanurate at the solubility limit may cause cardiovascular, kidney and urinary bladder effects.</p> <p>SIGNS AND SYMPTOMS OF EXPOSURE:</p> <p>Inhalation (Breathing): Respiratory System Effects: Exposure to the solid product or to free chlorine evolving</p>
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from the product may cause irritation, redness of upper and lower airways, coughing, laryngospasm and edema, shortness of breath, bronchoconstriction, and possible pulmonary edema. The pulmonary edema may develop several hours after a severe acute exposure.

Skin: Skin Corrosion. Exposure to solid along with moisture may cause redness, irritation, burning sensation, swelling, blister formation, first, second, or third degree burns.

- Chronic Toxicity: Monosodium cyanurate was administered via drinking water to rats for 104 weeks at concentrations of 0, 400, 1200, 2400, and 5375 ppm (solubility limit). No compound-related effects on body weights, clinical signs of toxicity or food or water consumption were noted during the study. An increased incidence of gross lesions in the urinary tract, calculi in the kidney and lesions in the heart were observed in males receiving the highest dose level of 5375 ppm (solubility limit). The health effects seen in this study were due to precipitation of the test substance in the urinary tract when the test substance was fed at the solubility limit. Adverse health effects were not seen at lower doses where precipitation did not occur.
- Reproductive Toxicity: Not classified as a reproductive toxin per GHS criteria. There are no known or recorded effects on reproductive function or fetal development.
- Carcinogenicity: This product is not classified as a carcinogen by NTP, IARC or OSHA.
- Mutagenicity: Not classified as a mutagen per GHS criteria. Not mutagenic in 5 Salmonella strains and 1 E. coli strain with or without mammalian microsomal activation.

12. ECOLOGICAL INFORMATION

- Aquatic Toxicity: Fish Toxicity:
LC50 Bluegill sunfish: 0.25-1.0 mg/L (96 hour)
LC50 Rainbow trout: 0.13-0.36 mg/L (96 hour)
LC50 Inland silversides: 1.21 mg/L (96 hour)
Invertebrate Toxicity:
LC50 Water flea: 0.196 mg/L (48 hour)
LC50 Mysid shrimp: 1.65 mg/L (96 hour)
- Avian Toxicity: Avian Toxicity:
LD50 Mallard duck (oral): 1,916 mg/kg
LD50 N. Bobwhite Quail (oral): 1,732 mg/kg
LD50 Mallard duck (diet): >10,000 ppm
LD50 N. Bobwhite Quail (diet): >10,000 ppm
- Environmental Hazards: BIODEGRADATION: This material is subject to hydrolysis. Cyanuric acid produced by hydrolysis is biodegradable.
PERSISTENCE: This material is believed not to persist in the environment. Free available chlorine is rapidly consumed by reaction with organic and inorganic materials to produce chloride ion. The stable degradation products are chloride ion and cyanuric acid.
BIOCONCENTRATION: This material hydrolyses in water liberating free available chlorine and cyanuric acid. These products are not bioaccumulative.
This product is toxic to fish and aquatic organisms.
ADDITIONAL ECOLOGICAL INFORMATION: This product is very toxic to fish and aquatic organisms. This product is very toxic to aquatic life with long lasting effects. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

13. DISPOSAL CONSIDERATIONS

- Disposal: Use or reuse if possible. Dispose in accordance with all applicable regulations. Do not put product, spilled product, or filled or partially filled containers into the trash or waste compactor. DO NOT transport wet or damp material. Damp material should be neutralized to a non-oxidizing state. Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.
Container Disposal: See product label for container disposal information. May be subject to disposal regulations.

14. TRANSPORTATION INFORMATION

- Transportation: Please refer to applicable regulations or call company noted under Section I.

15. REGULATORY INFORMATION

- TSCA: USA: Reported in the EPA TSCA Inventory or are exempt.

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SARA (311, 312): Fire Hazard, Reactive Hazard, Acute Health Hazard
SARA 313: Not regulated.

Right To Know Hazardous Substance List: California Proposition 65: This product is not listed, but it may contain impurities/trace elements known to the State of California to cause cancer or reproductive toxicity as listed under Proposition 65 State Drinking Water Classification: No data available.

California Proposition 65 Cancer WARNING: Not Listed
California Proposition 65 CRT List - Male reproductive toxin: Not Listed
California Proposition 65 CRT List - Female reproductive toxin: Not Listed
Massachusetts Right to Know Hazardous Substance List Listed
New Jersey Right to Know Hazardous Substance List: 1694
New Jersey Special Health Hazards Substance List Not Listed
New Jersey - Environmental Hazardous Substance List Not Listed
Pennsylvania Right to Know Hazardous Substance List Listed
Pennsylvania Right to Know Special Hazardous Substances Not Listed
Pennsylvania Right to Know Environmental Hazard List Not Listed
Rhode Island Right to Know Hazardous Substance List Listed

Workplace Classification: This product is considered hazardous under the OSHA Hazard Communication Standard (29CFR 1910.1200).
CERCLA Reportable Quantity: Not applicable.

EPA NOTES: This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. The pesticide label also includes other important information, including directions for use. Following is the hazard information as required on the pesticide label:

SIGNAL WORD: DANGER

PRECAUTIONARY STATEMENTS. HAZARDS TO HUMANS AND DOMESTIC ANIMALS. DANGER: Corrosive: Causes irreversible eye damage. May be fatal if inhaled. Harmful if swallowed or absorbed through skin. Do not get in eyes, on skin, or on clothing. Do not breathe dust, vapor or spray mist. Wear goggles, face shield or safety glasses. Wash thoroughly after handling. Remove contaminated clothing and wash before reuse.

PHYSICAL OR CHEMICAL HAZARDS: Strong oxidizing agent: Do not mix with other chemicals. Mix only with water. Never add water to product. Always add product to large quantities of water. Use clean dry utensils. Do not add this product to any dispensing device containing remnants of any other product. Such use may cause a violent reaction leading to fire or explosion. Contamination with moisture, organic matter or other chemicals will start a chemical reaction and generate heat, hazardous gas, possible fire and explosion. In case of contamination or decomposition do not reseal container. If possible, isolate container in open air or well ventilated area. Flood area with large volumes of water.

ENVIRONMENTAL HAZARDS: This pesticide is toxic to fish and aquatic organisms.

16. OTHER INFORMATION

ALWAYS COMPLY WITH ALL APPLICABLE INTERNATIONAL, FEDERAL, STATE AND LOCAL REGULATIONS REGARDING THE TRANSPORTATION, STORAGE, USE AND DISPOSAL OF THIS CHEMICAL. Due to the changing nature of regulatory requirements, the REGULATORY INFORMATION listed in Section 15 of this document should NOT be considered all-inclusive or authoritative. International, Federal, State and Local regulations should be consulted to determine compliance with all required reporting requirements. The information in this SDS was obtained from sources, which we believe are reliable. HOWEVER, THE INFORMATION IS PROVIDED WITHOUT ANY WARRANTY, EXPRESS OR IMPLIED, REGARDING ITS CORRECTNESS. The conditions or methods of handling, storage, use, and disposal of the product are beyond our control and may be beyond our knowledge. FOR THIS AND OTHER REASONS, WE DO NOT ASSUME RESPONSIBILITY AND EXPRESSLY DISCLAIM LIABILITY FOR LOSS, DAMAGE OR EXPENSE ARISING OUT OF OR IN ANY WAY CONNECTED WITH THE HANDLING, STORAGE, USE OR DISPOSAL OF THE PRODUCT. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

HMS Rating: Health: 3
Flammability: 0
Reactivity: 1

NFPA Rating: Health: 2
Fire: 0
Reactivity: 1

Created On: 5/18/2015

Special Hazard Warning: OX - Oxidizer, Class 1

PROtech SAFETY DATA SHEET

1. PRODUCT IDENTIFICATION

Product Name: PROSHOCK CAL HYPO GRANULES
Synonym(s): Hypochlorite; Cal Hypo; Cal-Shock
Recommended Uses: Disinfectant and Sanitizer
SDS Reference: 23

Company Information: ALLCHEM PERFORMANCE PRODUCTS, INC. Distributed By: WINDO
6010 NW FIRST PLACE 6934 EAST FIRST AVENUE SUITE 101
GAINESVILLE, FL 32607 SCOTTSDALE AZ 85251
Tel: 352-378-9696
24 HOUR EMERGENCY NUMBER: INFOTRAC (TRANSPORTATION): 1-800-535-5053

2. HAZARD(S) IDENTIFICATION

Classification: OXIDIZER
CORROSIVE
INHALATION HAZARD
TARGET ORGAN TOXICITY (SINGLE)
ENVIRONMENTAL HAZARD



Signal Word: DANGER

Hazard Statements: HEALTH HAZARDS:
Skin Corrosion - Causes severe skin burns and eye damage - Category 1B - H314
Eye Damage - Causes serious eye damage - Category 1 - H318
Inhalation Hazard - Toxic if inhaled - Category 3 - H331
Specific Target Organ Toxicity - Single Dose - May cause respiratory irritation - Category 3 - H335
Acute Oral Toxicity - Harmful if swallowed - Category 4 - H302
PHYSICAL HAZARDS:
Oxidizing Solid - Oxidizer - May intensify fire - Class 2 - H272
ENVIRONMENTAL HAZARDS:
Very toxic to aquatic life - Category 1 - H400

Precautionary Statements: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep/Store away from clothing/ combustible materials. Take any precaution to avoid mixing with combustibles. Do not breathe vapors. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Wear protective gloves/ protective clothing/ eye protection/ face protection. Store in a well-ventilated place. Keep container tightly closed. Store locked up. Dispose of contents/container in accordance with local regulation.

Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/ physician.

Skin Contact: Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower. Wash contaminated clothing before reuse.

Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/ physician.

Ingestion: Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER or doctor/ physician if you feel unwell.

3. COMPOSITION

Chemical Name:	PERCENT %	CAS #
Calcium Hypochlorite	60 - 80	7778-54-3
Sodium Chloride	10 - 20	7647-14-5
Calcium Chlorate	0 - 5	10137-74-3
Calcium Chloride	0 - 5	10043-52-4
Calcium Hydroxide	0 - 4	1305-62-0
Calcium Carbonate	0 - 5	471-34-1
Water	5.5 - 10	7732-18-5

4. FIRST AID

If In Eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

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If on Skin or Clothing:	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
If Inhaled:	Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.
If Swallowed:	Call a poison control center or doctor immediately for treatment. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.
Note:	Probable mucosal damage may contraindicate the use of gastric lavage. Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

5. FIREFIGHTING MEASURES

Suitable / Unsuitable Extinguishing Media:	Water only. Do not use dry extinguishers containing ammonium compounds. Use water to cool containers exposed to fire.
Specific Hazards from Chemical:	This product is chemically reactive with many substances. Any contamination of the product with other substances by spill or otherwise may result in a chemical reaction and fire. This product is an NFPA Class 3 Oxidizer which can cause a severe increase in fire intensity. Product is not known to be flammable, combustible or pyrophoric.
Special Protective Equipment:	See Section 8 for protective equipment for fire fighting.
Other Information:	This product is a strong oxidizer which is capable of intensifying a fire once started. Product is not known to be flammable, combustible or pyrophoric.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Response to a large quantity spill (100 pounds or greater) or when dusting or decomposition gas exposure could occur requires the use of a positive pressure full face supplied air respirator or self contained breathing apparatus (SCBA), chemical resistant gloves, coveralls and boots. In case of fire, this personal protective equipment should be used in addition to normal fire fighter equipment.
Methods and Materials for cleanup:	<p>Air Release: Vapors may be suppressed by the use of water fog. All water utilized to assist in fume suppression, decontamination or fire suppression may be contaminated and must be contained before disposal and/or treatment.</p> <p>Water Release: This product is heavier than water. This material is soluble in water. Monitor all exit water for available chlorine and pH. Advise local authorities of any contaminated water release.</p> <p>Land Release: DANGER: All spills of this product should be treated as contaminated. Contaminated product may initiate a chemical reaction that may spontaneously ignite any combustible material present, resulting in a fire of great intensity. In case of a spill, separate all spilled product from packaging, debris and other material. Using a clean broom or shovel, place all spilled product into plastic bags, and place those bags into a clean, dry disposal container, properly marked and labeled. Disposal containers made of plastic or metal are recommended. Do not seal disposal containers tightly. Immediately remove all product in disposal containers to an isolated area outdoors. Place all damaged packaging material in a disposal container of water to ensure decontamination (i.e. removal of all product) before disposal. Place all undamaged packaging in a clean, dry container properly marked and labeled.</p> <p>Additional Spill Information: Hazardous concentrations in air may be found in local spill area and immediately downwind. Remove all sources of ignition. Stop source of spill as soon as possible and notify appropriate personnel. Dispose of spill residues per guidelines under Section 13, Disposal Consideration. REPORTABLE QUANTITY: 10 lbs. (as calcium hypochlorite) per 40 CFR 302.4.</p>

7. HANDLING AND STORAGE

Handling:	Avoid inhalation of dust and fumes. Do not take internally. Avoid contact with skin, eyes and clothing. Upon contact with skin or eyes, wash off with water. Remove contaminated clothing and wash before reuse.
Storage:	<p>Keep product tightly sealed in original containers. Store product in a cool, dry, well-ventilated area. Store away from combustible or flammable products. Keep product packaging clean and free of all contamination, including, e.g. other pool treatment products, acids, organic materials, nitrogen-containing compounds, dry powder fire extinguishers (containing mono-ammonium phosphate), oxidizers, all corrosive liquids, flammable or combustible materials, etc.</p> <p>Shelf Life Limitations: Do not store product where the average daily temperature exceeds 95° F. Storage above this temperature may result in rapid decomposition, evolution of chlorine gas and heat sufficient to ignite combustible products. Shelf life (that is, the period of time before the product goes below stated label strength) is determined by storage time and temperatures. Store in a cool, dry and well ventilated area. Prolonged storage at elevated temperatures will significantly shorten the shelf life. Storage in a</p>

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climate controlled storage area or building is recommended in those areas where extreme high temperatures occur.

Incompatible Materials for Storage: Do not allow product to come in contact with other materials, including e.g. other pool treatment products, acids, organic materials, nitrogen-containing compounds, dry powder fire extinguishers (containing mono-ammonium phosphate), oxidizers, all corrosive liquids, flammable or combustible materials, etc. A chemical reaction with such substances can cause a fire of great intensity. Do not store at temperatures above an average daily temperature of 35° C / 95° F. Storage above this temperature may result in rapid decomposition, evolution of chlorine gas and heat sufficient to ignite combustible products.
(NFPA Oxidizer Class 3)

8. EXPOSURE CONTROLS / PERSONAL PROTECTIONS

OSHA permissible exposure limit: CALCIUM HYPOCHLORITE CAS NR. 7778-54-3
ARCH-OEL*: 1 mg/m³ TWA
NIOSH-IDLH: 37 - 48 mg/m³ Conc based on IDLH concentration of chlorine

CALCIUM HYDROXIDE CAS NR. 1305-62-0
ACGIH: 5 mg/m³ TWA

*ARCH-OEL - Arch recommended Occupational Exposure Guideline

Appropriate Engineering Controls: Ventilation: Local exhaust ventilation or other engineering controls are normally required when handling or using this product to keep airborne exposures below the TLV, PEL or other recommended exposure limit.

Individual Protection Measures: Respiratory Protection : Wear a NIOSH approved respirator if levels above the exposure limits are possible. Respirator Type : A NIOSH approved full-face air purifying respirator equipped with combination chlorine/P100 cartridges. Air purifying respirators should not be used in oxygen deficient or IDLH atmospheres or if exposure concentrations exceed ten (10) times the published limit.
Skin Protection : Wear impervious gloves to avoid skin contact. A full impervious suit is recommended if exposure is possible to a large portion of the body. A safety shower should be provided in the immediate work area.
Eye Protection: Use chemical goggles. Emergency eyewash should be provided in the immediate work area.
Protective Clothing Type: Neoprene, Nitrile, Natural rubber (This includes: gloves, boots, apron, protective suit)

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Free flowing white granules	Flammability (solid/gas):	Chemically reactive with many substances.
Odor:	Chlorine-like	Upper/lower Flammability or Exposure limits:	Not Applicable
Odor Threshold:	No data available	Vapor Pressure:	Not Applicable
pH:	10.4 - 10.8 @ 25°C (in 1% distilled water)	Vapor Density:	Not Applicable
Melting Point/Freezing Point:	Not Applicable	Density:	0.8g/cc
Initial Boiling Point/Bolling Range:	Not Applicable	Solubility(ies):	18% @ 25°C in water
Flash Point:	Not Applicable	Partition Coefficient: n-octanol/water:	No data available
Evaporation Rate:	Not Applicable	Auto-ignition Temperature:	Not Applicable
		Decomposition Temperature:	338 - 356°F (170 - 180°C)
		Viscosity:	No data available

10. STABILITY AND REACTIVITY

Stability/Reactivity: Product is not sensitive to mechanical shock or impact. Product is not sensitive to electrical static discharge. Product will not undergo hazardous polymerization. Product is an NFPA Class 3 oxidizer which can cause a severe increase in fire intensity. Not pyrophoric. Not an organic peroxide. If subjected to excessive temperatures, the product may undergo rapid decomposition, evolution of chlorine gas, and heat sufficient to ignite combustible substances. If product is exposed to small amounts of water, it can react violently to produce heat and toxic gases and spatter. Use copious amounts of water for fires involving this product.

Possibilities of Hazardous Reactions: Hazardous Polymerization: Will Not Occur.

Conditions to Avoid: Do not store next to heat source, in direct sunlight, or elevated storage temperature. Do not store where

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the daily average temperature exceeds 95°F. Prevent ingress of humidity and moisture into container or package. Always close the lid.

Incompatible Materials: This product is chemically reactive with many substances, including, e.g., other pool treatment products, acids, organics, nitrogen-containing compounds, dry powder fire extinguishers (containing mono-ammonium phosphate), oxidizers, corrosive, flammable or combustible materials. Do not allow product to contact any foreign matter, including other water treatment products. Contamination or improper use may cause a fire of great intensity, explosion or the release of toxic gases. If product is exposed to small amounts of water, it can react violently to produce heat and toxic gases and spatter.

Hazardous Decomposition Materials: Chlorine.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity: COMPONENT ANIMAL TOXICITY:
Oral LD50 value:
65% CALCIUM HYPOCHLORITE LD50 = 850 mg/kg Rat
SODIUM CHLORIDE LD50 = 3,000 mg/kg Rat
CALCIUM CHLORIDE LD50 = 1,000 mg/kg Rat
CALCIUM HYDROXIDE LD50 = 7,340 mg/kg Rat

Dermal LD50 value:
65% CALCIUM HYPOCHLORITE LD50 > 2,000 mg/kg Rabbit
SODIUM CHLORIDE LD50 > 10,000 mg/kg Rabbit
CALCIUM CHLORIDE LD50 = 2,630 mg/kg Rat
CALCIUM HYDROXIDE No data

Inhalation LC50 value:
65% CALCIUM HYPOCHLORITE Inhalation LC50 1 h, (Nose Only) = 2.04 mg/l Rat
65% CALCIUM HYPOCHLORITE Inhalation LC50 4 h, (Nose Only) = 0.51 mg/l Rat
SODIUM CHLORIDE Inhalation LC50 1 h > 42 mg/l Rat
CALCIUM CHLORIDE No data
CALCIUM HYDROXIDE No data

PRODUCT ANIMAL TOXICITY:
Oral LD50 value: LD50 Approximately 800 mg/kg Rat
Dermal LD50 value: LD50 > 2,000 mg/kg Rabbit
Inhalation LC50 1.00 h (Nose Only) > 2.04 mg/l Rat
Inhalation LC50 4 h (Nose Only) > 0.51 mg/l Rat

Skin Irritation: Dry material causes moderate skin irritation. Wet material causes skin burns.
Eye Irritation: Corrosive to eyes.
Skin Sensitization: This material is not known or reported to be a skin or respiratory sensitizer.

ACUTE TOXICITY: This product is corrosive to all tissues contacted and upon inhalation, may cause irritation to mucous membranes and respiratory tract. The dry material is irritating to the skin. However when wet, it will produce burns to the skin.

Chronic Toxicity: There are no known or reported effects from repeated exposure except those secondary to burns.

Reproductive Toxicity: Calcium hypochlorite has been tested for teratogenicity in laboratory animals. Results of this study have shown that calcium hypochlorite is not a teratogen.
CALCIUM CHLORIDE is not known or reported to cause reproductive or developmental toxicity.

Carcinogenicity: This product is not known or reported to be carcinogenic by any reference source including IARC, OSHA, NTP or EPA. One hundred mice were exposed dermally 3 times a week for 18 months to a solution of calcium hypochlorite. Histopathological examination failed to show an increased incidence of tumors. IARC (International Agency for Research on Cancer) reviewed studies conducted with several hypochlorite salts. IARC has classified hypochlorite salts as having inadequate evidence for carcinogenicity to humans and animals. IARC therefore considers hypochlorite salts to be not classifiable as to their carcinogenicity to humans (Group 3 Substance).
CALCIUM CHLORIDE is not known or reported to be carcinogenic by any reference source including IARC, OSHA, NTP, or EPA.

Mutagenicity: Calcium hypochlorite has been tested in the Dominant lethal assay in male mice, and it did not induce a

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dominant lethal response. Calcium hypochlorite has been reported to produce mutagenic activity in two in vitro assays. It has, however, been shown to lack the capability to produce mutations in animals based on results from the micronucleus assay. In vitro assays frequently are inappropriate to judge the mutagenic potential of bactericidal chemicals due to a high degree of cellular toxicity. The concentration which produces mutations in these in vitro assays is significantly greater than the concentrations used for disinfection. Based on high cellular toxicity in in vitro assays and the lack of mutagenicity in animals, the risk of genetic damage to humans is judged not significant.

CALCIUM CHLORIDE was determined to be non-mutagenic in the Ames assay. It was also shown to be non-clastogenic in the chromosomal aberration test.

12. ECOLOGICAL INFORMATION

Aquatic Toxicity:

CALCIUM HYPOCHLORITE

Bluegill - (nominal, static). 96 h LC50 0.088 mg/l
Rainbow trout (*Salmo gairdneri*), - (nominal, static). 96 h LC50 0.16 mg/l
Daphnia magna, - (nominal, static). 48 h LC50 0.11 mg/l

CALCIUM CHLORIDE

Bluegill - (nominal, static). 96 h LC50 = 10,650 mg/l
Mosquito fish - (nominal, static). 96 h LC50 = 13,400 mg/l
Fathead minnow (*Pimephales promelas*), (nominal, static). 96 h LC50 = 4,630 mg/l
Daphnia magna, - (nominal, static). 48 h LC50 = 2,770 mg/l
Ceriodaphnia dubia - (nominal, static). 48 h LC50 = 1,830 mg/l
Nitzschia linearis (diatom) - (nominal, static). 5 day LC50 = 3,130 mg/l

Avian Toxicity:

CALCIUM HYPOCHLORITE

Bobwhite quail - Dietary LC50 > 5,000 ppm
Mallard ducklings - Dietary LC50 > 5,000 ppm
Bobwhite quail - Oral LD50 3,474 mg/kg

Environmental Hazards:

This product is highly toxic to fish and other aquatic organisms. Do not discharge effluent containing this product into lakes, ponds, streams, estuaries, oceans or public waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

13. DISPOSAL CONSIDERATIONS

Disposal:

CARE MUST BE TAKEN TO PREVENT ENVIRONMENTAL CONTAMINATION FROM THE USE OF THE MATERIAL. THE USER OF THE MATERIAL HAS THE RESPONSIBILITY TO DISPOSE OF UNUSED MATERIAL, RESIDUES AND CONTAINERS IN COMPLIANCE WITH ALL RELEVANT LOCAL, STATE AND FEDERAL LAWS AND REGULATIONS REGARDING TREATMENT, STORAGE AND DISPOSAL FOR HAZARDOUS AND NONHAZARDOUS WASTES. Pesticide wastes may be hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the hazardous Waste representative at the EPA Regional Office for guidance.

If this product becomes a waste, it meets the criteria of a hazardous waste as defined under 40 CFR 261 and would have the following EPA hazardous waste number: D001. If this product becomes a waste, it will be a hazardous waste which is subject to the Land Disposal restrictions under 40 CFR 268 and must be managed accordingly.

Disposal Methods : As a hazardous solid waste it should be disposed of in accordance with local, state and federal regulations.

Potential US EPA Waste Codes : D001

14. TRANSPORTATION INFORMATION

Transportation:

Please refer to applicable regulations or call company noted under Section 1.

15. REGULATORY INFORMATION

TSCA:

USA: Reported in the EPA TSCA Inventory.

SARA (311, 312):

Health: Immediate (Acute) Health Hazard
Physical: Fire Hazard

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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Right To Know Hazardous Substance List: California - This product is not listed on California Prop 65.
Massachusetts - Calcium Chlorate, Calcium Hydroxide, Calcium Hypochlorite, Calcium Carbonate.
New Jersey - Calcium Chloride, Calcium Chlorate, Calcium Dihydroxide, Calcium Hypochlorite, Calcium Carbonate, Sodium Chloride.
Pennsylvania - Calcium Chloride, Calcium Chlorate, Calcium Dihydroxide, Calcium Hypochlorite, Calcium Carbonate, Sodium Chloride.

Waste Classification: Waste Disposal Summary : If this product becomes a waste, it meets the criteria of a hazardous waste as defined under 40 CFR 261 and would have the following EPA hazardous waste number: D001. If this product becomes a waste, it will be a hazardous waste which is subject to the Land Disposal restrictions under 40 CFR 268 and must be managed accordingly.

Workplace Classification: This product is considered hazardous under the OSHA Hazard Communication Standard (29CFR 1910.1200).

CERCLA Reportable Quantity: CALCIUM HYPOCHLORITE : 10 lbs.

EPA NOTES:

This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. The pesticide label also includes other important information, including directions for use. Following is the hazard information as required on the pesticide label:

SIGNAL WORD: DANGER

PRECAUTIONARY STATEMENTS: HAZARDS TO HUMANS AND DOMESTIC ANIMALS: DANGER. Highly corrosive. Causes skin and eye damage. May be fatal if swallowed. Do not get in eyes, on skin or on clothing. Do not handle with bare hands. Irritating to nose and throat. Wear rubber gloves and protective eyewear such as goggles, face shield, or safety glasses. Do not breathe dust and fumes. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

PHYSICAL AND CHEMICAL HAZARDS: CONTAMINATION MAY CAUSE FIRE OR EXPLOSION! MIX ONLY INTO WATER, DANGER: STRONG OXIDIZING AGENT: Mix only with water. Use clean, dry utensils. Do not add this product to any dispensing device containing remnants of any other product. Such use may cause a violent reaction leading to fire or explosion. Contamination with moisture, organic matter, or other chemicals will start a chemical reaction with generation of heat, chlorine gas and possible generation of fire and explosion. In case of contamination or decomposition, do not reseal container. If possible, isolate container in open air or well ventilated area. Flood with large volumes of water if necessary. **FIRE OR EXPLOSION COULD RESULT FROM IMPROPER USE.**

ENVIRONMENTAL HAZARDS: This pesticide is toxic to fish and aquatic organisms.

16. OTHER INFORMATION

ALWAYS COMPLY WITH ALL APPLICABLE INTERNATIONAL, FEDERAL, STATE AND LOCAL REGULATIONS REGARDING THE TRANSPORTATION, STORAGE, USE AND DISPOSAL OF THIS CHEMICAL. Due to the changing nature of regulatory requirements, the REGULATORY INFORMATION listed in Section 15 of this document should NOT be considered all-inclusive or authoritative. International, Federal, State and Local regulations should be consulted to determine compliance with all required reporting requirements. The information in this SDS was obtained from sources, which we believe are reliable. HOWEVER, THE INFORMATION IS PROVIDED WITHOUT ANY WARRANTY, EXPRESS OR IMPLIED, REGARDING ITS CORRECTNESS. The conditions or methods of handling, storage, use, and disposal of the product are beyond our control and may be beyond our knowledge. FOR THIS AND OTHER REASONS, WE DO NOT ASSUME RESPONSIBILITY AND EXPRESSLY DISCLAIM LIABILITY FOR LOSS, DAMAGE OR EXPENSE ARISING OUT OF OR IN ANY WAY CONNECTED WITH THE HANDLING, STORAGE, USE OR DISPOSAL OF THE PRODUCT. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

HMIS Rating: No data available

NFPA Rating: Health: 3
Flammability: 0
Reactivity: 1

Revision Date: 5/27/2015

Special Hazard Warning: OX - Oxidizer, Class 3

Swim Best® SAFETY DATA SHEET

1. PRODUCT IDENTIFICATION

Product Name: BROMINATING TABLETS
Synonym(s): BCDMH Tablets, Bromine Tablets
Recommended Uses: Disinfectant, Sanitizer, Algaecide
SDS Reference: 11

Company Information: ALLCHEM PERFORMANCE PRODUCTS, INC. Distributed By: WATER TECHNIQUES, INC
6010 NW FIRST PLACE 14260 W. NEWBERRY RD #162
GAINESVILLE, FL 32607 NEWBERRY FL 32669
Tel: 352-378-9696
24 HOUR EMERGENCY NUMBER: INFOTRAC (TRANSPORTATION): 1-800-535-5053

2. HAZARD(S) IDENTIFICATION

Classification: CORROSIVE
ACUTE ORAL HAZARD
OXIDIZER
ENVIRONMENTAL HAZARD



Signal Word: DANGER

Hazard Statements: HEALTH HAZARDS:
Skin Corrosion - Causes severe skin burns and eye damage - Category 1 - H314
Eye Damage - Causes serious eye damage - Category 1 - H318
Oral Toxicity - Harmful if swallowed - Category 4 - H302
PHYSICAL HAZARDS:
Oxidizing Solid - May intensify fire, oxidizer - Category 2 - H272
ENVIRONMENTAL HAZARDS:
Very toxic to aquatic life - Acute 1 - H400

Precautionary Statements: Causes irreversible eye damage and skin burns. Harmful if swallowed. Do not get in eyes, on skin or on clothing. Wear goggles or safety glasses and rubber gloves when handling this product. Irritating to nose and throat. Avoid breathing dust and fumes. Remove and wash contaminated clothing before reuse. Wash thoroughly with soap and water after handling.

Eye Contact: Causes serious eye damage.

Skin Contact: Causes skin burns. On contact with moisture, this material readily hydrolyzes to acid which may result in burns if not promptly removed.

Inhalation: Causes respiratory tract irritation.

Ingestion: Harmful if swallowed.

3. COMPOSITION

Chemical Name:	PERCENT %	CAS #
1-Bromo-3-chloro-5,5-dimethylhydantoin	96 - 98	16079-88-2

4. FIRST AID

If In Eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

If on Skin or Clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call poison control center or doctor for treatment advice.

If Inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then, give artificial respiration, preferably mouth-to-mouth if possible. Call poison control center or doctor for treatment advice.

If Swallowed: Call poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by poison control center or doctor. Do not give anything by mouth to an unconscious person.

Note: Probable mucosal damage may contraindicate the use of gastric lavage.
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

5. FIREFIGHTING MEASURES

Swim Best® SAFETY DATA SHEET

Suitable / Unsuitable Extinguishing Media:	Flood with large volumes of water. Do not use ABC powder, dry chemical. Risk of violent reaction.
Specific Hazards from Chemical:	In large fires fueled by other materials, this product may smolder for prolonged periods emitting a dense black smoke. Do not let fire burn. Harmful combustion products: HBr, HCl, NO ₂ , CO.
Special Protective Equipment:	In the event of fire, wear self-contained breathing apparatus. Thoroughly decontaminate fire fighting equipment including all fire fighting wearing apparel after the incident.
Other Information:	Do not let fire burn.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Using appropriate protective clothing and safety equipment, contain spilled material. (See Section 8)
Methods and Materials for cleanup:	Do not add water to spilled material. Using clean dedicated equipment, sweep and scoop all spilled material, contaminated soil, and other contaminated material and place into clean dry containers for disposal. Do not close containers containing wet or damp material. They should be left open to disperse any hazardous gases that may form. Do not use floor sweeping compounds to clean up spills. Do not transport wet or damp material. Treat recovered material as described in the section "Disposal considerations".

7. HANDLING AND STORAGE

Handling:	Strong oxidizing agent. Avoid contact with skin, eyes and clothing. Avoid breathing dust. Avoid breathing vapors. Do not mix with other chemicals. Mix only with water. Never add water to this product. Always add product to large quantities of water. When using automatic feeding devices, always follow manufacturer's directions as to the proper addition of sanitizer product to brominators. Use only clean and dry utensils. Do not add this product to any dispensing devices containing remnants of any other product. Such use may cause a violent reaction leading to fire or explosion. Contamination with moisture, organic matter or other chemicals may start a chemical reaction and generate heat, hazardous gas, possible fire and explosion. In case of contamination or decomposition, do not reseal container. If possible, isolate container in open air or well ventilated area. Flood with large volumes of water. Wash hands thoroughly with soap and water after handling and before eating, drinking or using tobacco. Do not handle until all safety precautions have been read and understood. Do not contaminate water, food or feed by storage or disposal or cleaning of equipment.
Storage:	Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of reach of children. Keep away from animals.

8. EXPOSURE CONTROLS / PERSONAL PROTECTIONS

OSHA permissible exposure limit:	Contains no substances with occupational exposure limit values.
Appropriate Engineering Controls:	Use with adequate ventilation. Ensure that eyewash stations and safety showers are close to the workstation location.
Individual Protection Measures:	Eye Protection: Goggles or Safety glasses with side-shields. Skin Protection: Wear rubber gloves. Wash contaminated clothing before reuse. Respiratory Protection: A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	White tablet	Flammability (solid/gas):	Not applicable
Odor:	Faint Halogen	Upper/lower Flammability or Exposure limits:	Not Applicable
Odor Threshold:	No data available	Vapor Pressure:	Not Applicable
pH:	4.5 (as aqueous solution), 0.1%, solution	Vapor Density:	Not Applicable
Melting Point/Freezing Point:	248 - 298°F (120 - 148 °C). Decomposes	Density:	0.87 - 0.92 g/cm ³
Initial Boiling Point/Boiling Range:	Not Applicable	Solubility(ies):	1.5 g/l
Flash Point:	Not Applicable	Partition Coefficient: n-octanol/water:	No data available
Evaporation Rate:	No data available	Auto-ignition Temperature:	No data available
		Decomposition Temperature:	298 °F (148 °C)
		Viscosity:	No data available

Swim Best® SAFETY DATA SHEET

10. STABILITY AND REACTIVITY

Stability/Reactivity:	No data available
Possibilities of Hazardous Reactions:	Hazardous Polymerization: Will Not Occur
Conditions to Avoid:	Remarks: High temperatures. Poor ventilation. Contamination. Moisture/high humidity.
Incompatible Materials:	Remarks: Avoid contact with water on concentrated material in the container. Avoid contact with easily oxidizable material; ammonia, urea, or similar nitrogen containing compounds; inorganic reducing compounds; floor sweeping compounds; calcium hypochlorite; other swimming pool/spa chemicals in their concentrated form; alkalis. Avoid contact with all other chemicals.
Hazardous Decomposition Materials:	Hydrogen halides; Bromine; Chlorine; Carbon oxides; nitrogen oxides (NOx)

11. TOXICOLOGICAL INFORMATION

Acute Toxicity:	Acute Oral LD50: 578 mg/kg (rat) Acute Dermal LD50: > 2,000 mg/kg (rabbit) Skin Irritation: Species: rabbit. Result: Primary Irritation Index (PII) = 6.1 Classification: Corrosive. Remarks: Causes skin burns. Direct contact with wet material or moist skin may cause severe irritation, pain and possibly burns. Eye Irritation: Species: rabbit Classification: Corrosive Remarks: Causes serious eye damage. Sensitization: Did not cause sensitization on laboratory animals.
Chronic Toxicity:	No data available.
Reproductive Toxicity:	No data available.
Carcinogenicity:	No data available.
Mutagenicity:	No data available.

12. ECOLOGICAL INFORMATION

Aquatic Toxicity:	Toxic to fish and aquatic organisms. Fish - 96 h LC50 0.87 mg/l Daphnia - 48 h EC50 0.46 mg/l Bioconcentration factor (BCF): < 500
Avian Toxicity:	No data available.
Environmental Hazards:	This product is toxic to fish and other aquatic organisms. Do not discharge effluent containing this product into lakes, ponds, streams, estuaries, oceans or public waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA. Environmental Fate: This product is biodegradable.

13. DISPOSAL CONSIDERATIONS

Disposal:	Dispose of waste material in compliance with all federal, state, and local regulations. Improper disposal of excess product, spray mixture or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your Environmental Control Agency or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance. For registered pesticides, contact your State Pesticide Agency. Do not put product, spilled product, or filled or partially filled containers into the trash or waste compactor. Contact with incompatible materials could cause a reaction or fire.
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14. TRANSPORTATION INFORMATION

Package exceptions may be applicable. Refer to the appropriate IMDG, IATA and/or 49 CFR regulations accordingly.

DOT:	UN1479, Oxidizing solid, n.o.s. (1-bromo-3-chloro-5,5-dimethylhydantoin) 5.1, PG III
IMDG:	UN3085, Oxidizing solid, Corrosive, n.o.s. (1-bromo-3-chloro-5,5-dimethylhydantoin) 5.1 (8), PG III, MARINE POLLUTANT, EmS: F-A, S-Q
IATA:	Not recommended to ship via air transportation.

Swim Best® SAFETY DATA SHEET

15. REGULATORY INFORMATION

TSCA: USA: Reported in the EPA TSCA Inventory.
TSCA Section 12(b) Export Notification (40 CFR 707, Subpt D) required.

SARA (311, 312): Fire Hazard
Acute Health Hazard
Reactivity Hazard

SARA 313: No data available.

Right To Know Hazardous Substance List: California Proposition 65: This product is not listed.

Waste Classification: No data available.

Workplace Classification: This product is considered hazardous under the OSHA Hazard Communication Standard (29CFR 1910.1200).

CERCLA Reportable Quantity: Not applicable.

EPA NOTES:

This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. The pesticide label also includes other important information, including directions for use. Following is the hazard information as required on the pesticide label:

SIGNAL WORD: DANGER

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS. DANGER: Highly corrosive. Causes irreversible eye damage and skin burns. May be fatal if swallowed. Do not get in eyes, on skin or on clothing. Wear goggles or safety glasses and rubber gloves when handling this product. Irritating to nose and throat. Avoid breathing dust and fumes. Remove and wash contaminated clothing before reuse. Wash thoroughly with soap and water after handling.

PHYSICAL OR CHEMICAL HAZARDS STRONG OXIDIZING AGENT: Do not mix with other chemicals. Mix only with water. Never add water to product. Always add product to large quantities of water. Use clean dry utensils. Do not add this product to any dispensing device containing remnants of any other product. Such use may cause a violent reaction leading to fire or explosion. Contamination with moisture, organic matter or other chemicals will start a chemical reaction and generate heat, hazardous gas, possible fire and explosion. In case of contamination or decomposition, do not reseal container. If possible, isolate container in open air or well ventilated area. Flood area with large volumes of water.

ENVIRONMENTAL HAZARDS: This pesticide is toxic to fish and aquatic organisms.

16. OTHER INFORMATION

ALWAYS COMPLY WITH ALL APPLICABLE INTERNATIONAL, FEDERAL, STATE AND LOCAL REGULATIONS REGARDING THE TRANSPORTATION, STORAGE, USE AND DISPOSAL OF THIS CHEMICAL. Due to the changing nature of regulatory requirements, the REGULATORY INFORMATION listed in Section 15 of this document should NOT be considered all-inclusive or authoritative. International, Federal, State and Local regulations should be consulted to determine compliance with all required reporting requirements. The information in this SDS was obtained from sources, which we believe are reliable. HOWEVER, THE INFORMATION IS PROVIDED WITHOUT ANY WARRANTY, EXPRESS OR IMPLIED, REGARDING ITS CORRECTNESS. The conditions or methods of handling, storage, use, and disposal of the product are beyond our control and may be beyond our knowledge. FOR THIS AND OTHER REASONS, WE DO NOT ASSUME RESPONSIBILITY AND EXPRESSLY DISCLAIM LIABILITY FOR LOSS, DAMAGE OR EXPENSE ARISING OUT OF OR IN ANY WAY CONNECTED WITH THE HANDLING, STORAGE, USE OR DISPOSAL OF THE PRODUCT. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

HMIS Rating: Health: 3
Flammability: 0
Reactivity: 1

NFPA Rating: Health: 3
Flammability: 0
Reactivity: 1

Created On: 6/3/2015
Revision Date: 6/12/2018

Special Hazard Warning: OX - Oxidizer, Class 2



ARM & HAMMER™ Alkalinity First™ Sodium Bicarbonate

Safety Data Sheet

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations

Revision Date: 04/30/2015

Date of Issue: 04/30/2015

Supersedes Date: 03/09/2012

Version: 1.0

SECTION 1: IDENTIFICATION

Product Identifier

Product Form: Substance

Product Name: Arm & Hammer Alkalinity First Sodium Bicarbonate

CAS No: 144-55-8

Formula: NaHCO₃

Synonyms: Baking Soda

Intended Use of the Product

Potable and Recreational Water Treatment

Name, Address, and Telephone of the Responsible Party

Company

Church & Dwight

500 Charles Ewing Blvd

Ewing Township, NJ 08628

T 1-800-524-1328

www.churchdwright.com

Emergency Telephone Number

Emergency Number : For Medical Emergency: 1-888-234-1828, For Chemical Emergency: 1-800-424-9300 (CHEMTREC)

SECTION 2: HAZARDS IDENTIFICATION

The consumer variant of this product is labeled in accordance with regulations administered by the Consumer Product Safety Commission (CPSC) and the Food and Drug Administration (FDA). The use pattern and exposure in the workplace are generally not consistent with those experienced by consumers. The requirements of the Occupational Safety and Health Administration applicable to this SDS differ from the labeling requirements of the CPSC and FDA, and as a result, this SDS may contain additional health hazard information not pertinent to consumer use and not found on the product label.

Classification of the Substance or Mixture

Classification (GHS-US) Not classified

Label Elements

GHS-US Labeling No labeling applicable

Other Hazards Exposure may aggravate those with pre-existing eye, skin, or respiratory conditions. Prolonged contact with dust can produce mechanical irritation.

Unknown Acute Toxicity (GHS-US) Not available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Substances

Name : Sodium Bicarbonate

CAS No : 144-55-8

Name	Product Identifier	% (w/w)	Classification (GHS-US)
Sodium bicarbonate	(CAS No) 144-55-8	100	Not classified

SECTION 4: FIRST AID MEASURES

Description of First Aid Measures

General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice.

Inhalation: When symptoms occur: go into open air and ventilate suspected area.

Skin Contact: Brush off loose particles from skin. Rinse immediately with plenty of water. Obtain medical attention if irritation develops or persists.

Eye Contact: Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. Obtain medical attention if irritation persists.

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Ingestion: Rinse mouth. Do NOT induce vomiting. Seek medical attention if a large amount is swallowed.

Most Important Symptoms and Effects Both Acute and Delayed

General: None expected under normal conditions of use.

Inhalation: Prolonged inhalation of dust may cause respiratory irritation.

Skin Contact: Skin contact with large amounts of dust may cause mechanical irritation.

Eye Contact: Contact may cause irritation due to mechanical abrasion.

Ingestion: Large doses may produce systemic alkalosis and expansion in extracellular fluid volume with edema.

Chronic Symptoms: None expected under normal conditions of use.

Indication of Any Immediate Medical Attention and Special Treatment Needed

If exposed or concerned, get medical advice and attention.

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media: Use extinguishing media appropriate for surrounding fire.

Unsuitable Extinguishing Media: For surrounding fire: Use of heavy stream of water may spread fire.

Special Hazards Arising From the Substance or Mixture

Fire Hazard: NOT FLAMMABLE. Under fire conditions, hazardous fumes will be present.

Explosion Hazard: Product is not explosive.

Reactivity: Hazardous reactions will not occur under normal conditions.

Advice for Firefighters

Precautionary Measures Fire: Wear self-contained breathing apparatus when entering area unless atmosphere is proved to be safe.

Firefighting Instructions: Exercise caution when fighting any chemical fire.

Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

Hazardous Combustion Products: Carbon oxides (CO, CO₂), Sodium oxides.

Reference to Other Sections

Refer to section 9 for flammability properties.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Handle in accordance with good industrial hygiene and safety practice. Do not breathe dust or fumes. Avoid skin and eye contact.

For Non-Emergency Personnel

Protective Equipment: Use appropriate personal protection equipment (PPE).

Emergency Procedures: Evacuate unnecessary personnel.

For Emergency Personnel

Protective Equipment: Equip cleanup crew with proper protection.

Emergency Procedures: Ventilate area.

Environmental Precautions

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

Methods and Material for Containment and Cleaning Up

For Containment: Contain and collect as any solid.

Methods for Cleaning Up: Clean up spills immediately and dispose of waste safely. Avoid generation of dust during clean-up of spills. Keep in suitable, closed containers for disposal. Contact competent authorities after a spill.

Reference to Other Sections

See heading 8, Exposure Controls and Personal Protection.

SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling

Additional Hazards When Processed: When heated, material emits irritating fumes.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work.

Conditions for Safe Storage, Including Any Incompatibilities

Storage Conditions: Store in a dry, cool and well-ventilated place. Keep container closed when not in use.

Incompatible Materials: Acids. Water. Lime.

Storage Temperature: < 65 °C (150 °F)

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Specific End Use(s) Potable and Recreational Water Treatment

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Particulates not otherwise classified (PNOC)		
USA ACGIH	ACGIH TWA (mg/m ³)	3 mg/m ³ Respirable fraction 10 mg/m ³ Total Dust
USA OSHA	OSHA PEL (TWA) (mg/m ³)	5 mg/m ³ Respirable fraction 15 mg/m ³ Total Dust
Alberta	OEL TWA (mg/m ³)	10 mg/m ³ (total)
British Columbia	OEL TWA (mg/m ³)	10 mg/m ³ (total dust)
Manitoba	OEL TWA (mg/m ³)	10 mg/m ³ (inhalable particles, recommended)
New Brunswick	OEL TWA (mg/m ³)	3 mg/m ³ (particulate matter containing no Asbestos and <1% Crystalline silica, respirable fraction)
Newfoundland & Labrador	OEL TWA (mg/m ³)	10 mg/m ³ (inhalable particles, recommended)
Nova Scotia	OEL TWA (mg/m ³)	10 mg/m ³ (inhalable particles, recommended)
Nunavut	OEL TWA (mg/m ³)	5 mg/m ³ (respirable mass)
Northwest Territories	OEL TWA (mg/m ³)	5 mg/m ³ (respirable mass)
Ontario	OEL TWA (mg/m ³)	10 mg/m ³ (inhalable)
Prince Edward Island	OEL TWA (mg/m ³)	10 mg/m ³ (inhalable particles, recommended)
Québec	VEMP (mg/m ³)	10 mg/m ³ (including dust, inert or nuisance particulates; containing no Asbestos and <1% Crystalline silica-total dust)
Saskatchewan	OEL STEL (mg/m ³)	20 mg/m ³ (insoluble or poorly soluble-inhalable fraction) 6 mg/m ³ (insoluble or poorly soluble-respirable fraction)
Saskatchewan	OEL TWA (mg/m ³)	10 mg/m ³ (insoluble or poorly soluble-inhalable fraction) 3 mg/m ³ (insoluble or poorly soluble-respirable fraction)

Exposure Controls

Appropriate Engineering Controls: For occupational/workplace settings: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed.

Personal Protective Equipment: For occupational or bulk quantities: Gloves. Safety glasses. Dust formation: dust mask.



Materials for Protective Clothing: For occupational or bulk quantities: Chemically resistant materials and fabrics.

Hand Protection: For occupational or bulk quantities: Wear chemically resistant protective gloves.

Eye Protection: For occupational or bulk quantities: Chemical goggles or safety glasses.

Respiratory Protection: Use a NIOSH-approved respirator or self-contained breathing apparatus whenever exposure may exceed established Occupational Exposure Limits.

Other Information: When using, do not eat, drink or smoke.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

Physical State	: Solid
Appearance	: White, crystalline powder
Odor	: None
Odor Threshold	: Not available
pH	: 8.2 (1% Solution)
Evaporation Rate	: Not available
Melting Point	: Not available
Freezing Point	: Not available
Boiling Point	: Not available
Flash Point	: Not available

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Auto-ignition Temperature	: Not available
Decomposition Temperature	: Not available
Flammability (solid, gas)	: Not available
Upper/Lower Flammable Limit	: Not available
Vapor Pressure	: Not available
Relative Vapor Density at 20 °C	: Not available
Specific gravity / density	: 62 lb/ft ³
Specific Gravity	: Not available
Solubility	: Water: 8.6 g/100ml @ 20 °C (68 °F)
Partition Coefficient: N-octanol/water	: Not available
Viscosity	: Not available
Explosion Data – Sensitivity to Mechanical Impact	: Not expected to present an explosion hazard due to mechanical impact.
Explosion Data – Sensitivity to Static Discharge	: Not expected to present an explosion hazard due to static discharge.

SECTION 10: STABILITY AND REACTIVITY

Reactivity: Hazardous reactions will not occur under normal conditions.

Chemical Stability: Decomposes slowly on exposure to water (moisture).

Possibility of Hazardous Reactions: Hazardous polymerization will not occur.

Conditions to Avoid: Exposure to moisture or moist air. Temperatures above 150°F (65 °C).

Incompatible Materials: Acids. Water. Lime.

Hazardous Decomposition Products: None known. At high temperature may liberate toxic gases.

SECTION 11: TOXICOLOGICAL INFORMATION

Information on Toxicological Effects - Product

Acute Toxicity: Not classified

LD50 and LC50 Data:

Sodium Bicarbonate

LD50 Oral Rat	7.3 g/kg
LC50 Inhalation Rat	> 4.7 mg/l/4h

Skin Corrosion/Irritation: Not classified [pH: 8.2 (1% Solution)]

Serious Eye Damage/Irritation: Not classified [pH: 8.2 (1% Solution)]

Respiratory or Skin Sensitization: Not classified

Germ Cell Mutagenicity: Not classified

Teratogenicity: Not classified

Carcinogenicity: Not classified

Specific Target Organ Toxicity (Repeated Exposure): Not classified

Reproductive Toxicity: Not classified

Specific Target Organ Toxicity (Single Exposure): Not classified

Aspiration Hazard: Not classified

Symptoms/Injuries After Inhalation: Prolonged inhalation of dust may cause respiratory irritation.

Symptoms/Injuries After Skin Contact: Skin contact with large amounts of dust may cause mechanical irritation.

Symptoms/Injuries After Eye Contact: Contact may cause irritation due to mechanical abrasion.

Symptoms/Injuries After Ingestion: Large doses may produce systemic alkalosis and expansion in extracellular fluid volume with edema.

Chronic Symptoms: None expected under normal conditions of use.

SECTION 12: ECOLOGICAL INFORMATION

Toxicity No additional information available

Sodium Bicarbonate

LC50 Fish 1	7100 mg/l Bluegill
EC50 Daphnia 1	4100 mg/l
LC 50 Fish 2	7700 mg/l Rainbow Trout

Sodium bicarbonate (144-55-8)

LC50 Fish 1	8250 - 9000 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])
EC50 Daphnia 1	2350 mg/l (Exposure time: 48 h - Species: Daphnia magna)

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Persistence and Degradability Not established

Bioaccumulative Potential Not established

Mobility in Soil Not available

Other Adverse Effects

Other Information: Avoid release to the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal Recommendations: Dispose of waste material in accordance with all local, regional, national, provincial, territorial and international regulations.

SECTION 14: TRANSPORT INFORMATION

In Accordance with DOT Not regulated for transport

In Accordance with IMDG Not regulated for transport

In Accordance with IATA Not regulated for transport

In Accordance with TDG Not regulated for transport

SECTION 15: REGULATORY INFORMATION

US Federal & International Regulations

Sodium Bicarbonate (144-55-8)

Listed on the AICS (Australian Inventory of Chemical Substances)

Listed on the Canadian DSL (Domestic Substances List)

Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory

Listed on the Korean ECL (Existing Chemicals List)

Listed on NZIoC (New Zealand Inventory of Chemicals)

Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

US State Regulations

Neither this product nor its chemical components appear on any US state lists.

Canadian Regulations

Sodium bicarbonate (144-55-8)

Listed on the Canadian DSL (Domestic Substances List)

WHMIS Classification	Uncontrolled product according to WHMIS classification criteria
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This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by CPR.

SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

Revision Date : 04/30/2015

Other Information : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

Party Responsible for the Preparation of This Document

Church & Dwight

500 Charles Ewing Blvd

Ewing Township, NJ 08628

T 1-800-524-1328

This Product Safety Data Sheet is offered solely for your information, consideration and investigation. Church & Dwight Co., Inc. provides no warranties; either expressed or implied, and assumes no responsibility for the accuracy or completeness of data contained herein. Church & Dwight Co., Inc. urges persons receiving this information to make their own determination as to the information suitability for their particular application.

North America GHS US 2012 & WHMIS 2

Safety Data Sheet



Section 1: Identification of the Substance/Mixture and of the Company/Undertaking

1.1 Product Identifier

Product Name • 94-97% Calcium Chloride Powder
SDS Number/Grade • CC-02

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

Relevant identified use(s) • Concrete acceleration, Drilling fluid additive, Dust control

1.3 Details of the supplier of the safety data sheet

Manufacturer • Cal-Chlor Corporation
627 Jefferson Street
Lafayette, LA 70501
United States
www.Cal-Chlor.com
mscelsa@cal-chlor.com

Telephone (General) • 1-800-245-6743

1.4 Emergency telephone number

Manufacturer • 800-424-9300 - CHEMTREC

Section 2: Hazards Identification

EU/EEC

According to Regulation (EC) No 1272/2008 (CLP)/REACH 1907/2006 [amended by 453/2010]
According to EU Directive 67/548/EEC (DSD) or 1999/45/EC (DPD)

2.1 Classification of the substance or mixture

CLP • Acute Toxicity Oral 4 - H302
Eye Irritation 2 - H319
DSD/DPD • Harmful (Xn)
Irritant (Xi)
R22, R36

2.2 Label Elements

CLP

WARNING

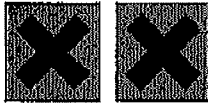


- Hazard statements** • H302 - Harmful if swallowed
 H319 - Causes serious eye irritation

Precautionary statements

- Prevention** • P264 - Wash thoroughly after handling.
 P270 - Do not eat, drink or smoke when using this product.
 P280 - Wear eye/face protection , .
- Response** • P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P337+P313 - If eye irritation persists: Get medical advice/attention.
 P301+P312 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician if you feel unwell.
 P330 - Rinse mouth.
- Storage/Disposal** • P501 - Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

DSD/DPD



- Risk phrases** • R22 - Harmful if swallowed.
 R36 - Irritating to eyes.
- Safety phrases** • S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

2.3 Other Hazards

- CLP** • According to Regulation (EC) No. 1272/2008 (CLP) this material is considered hazardous.
- DSD/DPD** • This product is considered dangerous according to the European Directive 67/548/EEC.

United States (US)

According to OSHA 29 CFR 1910.1200 HCS

2.1 Classification of the substance or mixture

- OSHA HCS 2012** • Acute Toxicity Oral 4 - H302
 Eye Irritation 2 - H319

2.2 Label elements

OSHA HCS 2012

WARNING



- Hazard statements** • Harmful if swallowed - H302
 Causes serious eye irritation - H319

Precautionary statements

- Prevention** • Wash thoroughly after handling. - P264
 Do not eat, drink or smoke when using this product. - P270
 Wear eye/face protection , . - P280
- Response** • IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. - P305+P351+P338
 If eye irritation persists: Get medical advice/attention. - P337+P313
 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician if you feel unwell. - P301+P312
 Rinse mouth. - P330
- Storage/Disposal** • Dispose of content and/or container in accordance with local, regional, national, and/or

international regulations. - P501

2.3 Other hazards

OSHA HCS 2012

- Under United States Regulations (29 CFR 1910.1200 - Hazard Communication Standard), this product is considered hazardous.

Canada

According to WHMIS

2.1 Classification of the substance or mixture

WHMIS

- Other Toxic Effects - D2B

2.2 Label elements

WHMIS



- Other Toxic Effects - D2B

2.3 Other hazards

WHMIS

- In Canada, the product mentioned above is considered hazardous under the Workplace Hazardous Materials Information System (WHMIS).

Section 3 - Composition/Information on Ingredients

3.1 Substances

Composition					
Chemical Name	Identifiers	%	LD50/LC50	Classifications According to Regulation/Directive	Comments
Calcium chloride	CAS:10043-52-4 EC Number:233-140-8 EU Index:017-013-00-2	94% TO 97%	Ingestion/Oral-Rat LD50 • 1 g/kg	EU DSD/DPD: Annex VI, Table 3.2: Xi R36; Additional Self Classification: Xn R22 EU CLP: Annex VI, Table 3.1: Eye Irrit. 2, H319; Additional Self Classification: Acute Tox. 4, H302 OSHA HCS 2012: Eye Irrit. 2; Acute Tox. 4 (ori)	NDA
Potassium chloride	CAS:7447-40-7 EC Number:231-211-8	2% TO 3%	Ingestion/Oral-Rat LD50 • 2600 mg/kg	EU DSD/DPD: Self Classified: Xi R36 EU CLP: Self Classified: Eye Irrit. 2, H319 OSHA HCS 2012: Eye Irrit. 2	NDA
Sodium chloride	CAS:7647-14-5 EC Number:231-598-3	1% TO 2%	Ingestion/Oral-Rat LD50 • 3000 mg/kg	EU DSD/DPD: Self Classified: Xi R36 EU CLP: Self Classified: Eye Irrit. 2, H319 OSHA HCS 2012: Eye Irrit. 2	NDA

3.2 Mixtures

- Material does not meet the criteria of a mixture.

Section 4 - First Aid Measures

4.1 Description of first aid measures

- Inhalation**
- Move victim to fresh air. Give artificial respiration if victim is not breathing. Administer oxygen if breathing is difficult. If signs/symptoms continue, get medical attention.
- Skin**
- In case of contact with substance, immediately flush skin with running water for at least 20 minutes.
- Eye**
- In case of contact with substance, immediately flush eyes with running water for at least 20 minutes. If eye irritation persists: Get medical advice/attention.
- Ingestion**
- Do NOT induce vomiting. Rinse mouth. Give one cup (8 ounces or 240 mL) of water or milk if available. Do not give anything by mouth to an unconscious person. Get medical attention immediately.

4.2 Most important symptoms and effects, both acute and delayed

- Refer to Section 11 - Toxicological Information.

4.3 Indication of any immediate medical attention and special treatment needed

- Notes to Physician**
- All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

Section 5 - Firefighting Measures

5.1 Extinguishing media

- Suitable Extinguishing Media**
- In case of fire use media as appropriate for surrounding fire.

- Unsuitable Extinguishing Media**
- No data available.

5.2 Special hazards arising from the substance or mixture

- Unusual Fire and Explosion Hazards**
- Material does not burn.

- Hazardous Combustion Products**
- No data available.

5.3 Advice for firefighters

- Wear positive pressure self-contained breathing apparatus (SCBA). Structural firefighters' protective clothing will only provide limited protection. Structural firefighters' protective clothing provides limited protection in fire situations ONLY; it is not effective in spill situations where direct contact with the substance is possible.

Section 6 - Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

- Personal Precautions**
- Do not walk through spilled material. Wear appropriate personal protective equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Spilled material may cause a slipping hazard.

- Emergency Procedures**
- Keep unauthorized personnel away. Ventilate closed spaces before entering.

6.2 Environmental precautions

- Avoid release to the environment.

6.3 Methods and material for containment and cleaning up

- Containment/Clean-up Measures**
- Avoid generating dust.
SMALL DRY SPILLS: With clean shovel place material into clean, dry container and cover loosely; move containers from spill area.
Flush residue with plenty of water.

6.4 Reference to other sections

- Refer to Section 8 - Exposure Controls/Personal Protection and Section 13 - Disposal Considerations.

Section 7 - Handling and Storage

7.1 Precautions for safe handling

Handling

- Use only with adequate ventilation. Avoid contact with skin, eyes, and clothing. Do not taste or swallow. Heat developed during diluting or dissolving is very high. Use cool water when diluting or dissolving (temperature less than 80°F, 27°C). Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco.

7.2 Conditions for safe storage, including any incompatibilities

Storage

- Keep container tightly closed. Store in a cool, dry place. Protect from moisture.

7.3 Specific end use(s)

- Refer to Section 1.2 - Relevant identified uses.

Section 8 - Exposure Controls/Personal Protection

8.1 Control parameters

Exposure Limits/Guidelines

- No applicable exposure limits available for product or components.

8.2 Exposure controls

Engineering

Measures/Controls

- Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Personal Protective Equipment

Respiratory

- For limited exposure use an N95 dust mask. For prolonged exposure use an air-purifying respirator with high efficiency particulate air (HEPA) filters. Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or symptoms are experienced.

Eye/Face

- Wear safety goggles.

Skin/Body

- Wear appropriate gloves.

Environmental Exposure Controls

- Controls should be engineered to prevent release to the environment, including procedures to prevent spills, atmospheric release and release to waterways. Follow best practice for site management and disposal of waste.

Section 9 - Physical and Chemical Properties

9.1 Information on Physical and Chemical Properties

Material Description			
Physical Form	Solid	Appearance/Description	White powder with no odor.
Color	White	Odor	Odorless
Odor Threshold	Not relevant		
General Properties			
Bolling Point	Not relevant	Melting Point	772 C(1421.6 F) (approximately)
Decomposition Temperature	Not relevant	pH	Not relevant
Specific Gravity/Relative Density	Not relevant	Bulk Density	65 lb(s)/ft ³ (estimated)
Water Solubility	Soluble	Viscosity	Not relevant
Explosive Properties	Not relevant.	Oxidizing Properties:	Not relevant.

Volatility			
Vapor Pressure	Negligible	Vapor Density	Not relevant
Evaporation Rate	Not relevant		
Flammability			
Flash Point	Not relevant	UEL	Not relevant
LEL	Not relevant	Autoignition	Not relevant
Flammability (solid, gas)	Not relevant.		
Environmental			
Octanol/Water Partition coefficient	Not relevant		

9.2 Other Information

- No additional physical and chemical parameters noted.

Section 10: Stability and Reactivity

10.1 Reactivity

- No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

- Stable under normal temperatures and pressures.

10.3 Possibility of hazardous reactions

- Hazardous polymerization not indicated.

10.4 Conditions to avoid

- Avoid moisture.

10.5 Incompatible materials

- Heat is generated when mixed with water. Spattering and boiling can occur. Avoid contact with sulfuric acid. Corrosive when wet. Flammable hydrogen may be generated from contact with metals such as zinc and sodium. Reaction of bromide impurity with oxidizing materials may generate trace levels of impurities such as bromate.

10.6 Hazardous decomposition products

- Does not decompose.

Section 11 - Toxicological Information

11.1 Information on toxicological effects

Components		
Calcium chloride (94% TO 97%)	10043-52-4	Acute Toxicity: Ingestion/Oral-Rat LD50 • 1 g/kg
Impurities, Stabilizers, etc...		
Potassium chloride (2% TO 3%)	7447-40-7	Acute Toxicity: Ingestion/Oral-Rat LD50 • 2800 mg/kg; Irritation: Eye-Rabbit • 500 mg 24 Hour(s) • Mild Irritation
Sodium chloride (1% TO 2%)	7647-14-5	Acute Toxicity: Ingestion/Oral-Rat LD50 • 3000 mg/kg; Irritation: Eye-Rabbit • 10 mg • Moderate Irritation; Skin-Rabbit • 500 mg 24 Hour(s) • Mild Irritation

GHS Properties	Classification
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Acute toxicity	EU/CLP • Acute Toxicity - Oral 4 OSHA HCS 2012 • Acute Toxicity - Oral 4
Aspiration Hazard	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
Carcinogenicity	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
Germ Cell Mutagenicity	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
Skin corrosion/Irritation	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
Skin sensitization	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
STOT-RE	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
STOT-SE	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
Toxicity for Reproduction	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
Respiratory sensitization	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
Serious eye damage/Irritation	EU/CLP • Eye Irritation 2 OSHA HCS 2012 • Eye Irritation 2

Route(s) of entry/exposure

- Inhalation, Skin, Eye, Ingestion

Medical Conditions

- Disorders of the lungs.

Aggravated by Exposure**Potential Health Effects****Inhalation****Acute (Immediate)**

- Exposure to dust may cause irritation. Processes such as cutting, grinding, crushing, or impact may result in generation of excessive amounts of airborne dusts in the workplace. Nuisance dust may affect the lungs but reactions are typically reversible.

Chronic (Delayed)

- No data available

Skin**Acute (Immediate)**

- Exposure to dust may cause mechanical irritation.

Chronic (Delayed)

- No data available.

Eye**Acute (Immediate)**

- Causes serious eye irritation. Excessive concentrations of nuisance dust in the workplace may reduce visibility and may cause unpleasant deposits in eyes.

Chronic (Delayed)

- No data available.

Ingestion**Acute (Immediate)**

- Harmful if swallowed. Excessive concentrations of nuisance dust in the workplace may cause mechanical irritation to mucous membranes.

Chronic (Delayed)

- No data available.

Key to abbreviations

LD = Lethal Dose

MLD = Mild

MOD = Moderate

Section 12 - Ecological Information**12.1 Toxicity**

94-97% Calcium Chloride Powder					
Dosage	Species	Duration	Results	Exposure Conditions	Comments
8350 to 10650 mg/L	Fish: Bluegill	NDA	LC50	NDA	Data for Calcium Chloride
759 to 3005 mg/L	Crustacea: Daphnia magna	NDA	EC50	NDA	Data for Calcium Chloride
= 4236 mg/L	Fish: Rainbow Trout	96 Hour(s)	LC50	NDA	Data for Potassium Chloride
= 590 mg/L	Crustacea: Daphnia magna	24 Hour(s)	EC50	NDA	Data for Potassium Chloride
= 3470 mg/L	Water Flea: Ceriodaphnia Dubia	96 Hour(s)	LC50	NDA	Data for Potassium Chloride
= 10610 mg/L	Fish: Fathead minnow	NDA	LC50	NDA	Data for Sodium Chloride
= 4571 mg/L	Crustacea: Daphnia magna	NDA	LC50	NDA	Data for Sodium Chloride

12.2 Persistence and degradability

- Biodegradation is not applicable.

12.3 Bioaccumulative potential

- No bioconcentration is expected because of the relatively high water solubility.

12.4 Mobility in Soil

- Potential for mobility in soil is very high (Koc between 0 and 50). Partitioning from water to n-octanol is not applicable.

12.5 Results of PBT and vPvB assessment

- No PBT and vPvB assessment has been conducted.

12.6 Other adverse effects

- Material is practically non-toxic to aquatic organisms on an acute basis. (LC50/EC50/EL50/LL50 >100mg/L in the most sensitive species tested).

Section 13 - Disposal Considerations**13.1 Waste treatment methods****Product waste**

- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Packaging waste

- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Section 14 - Transport Information

	14.1 UN number	14.2 UN proper shipping name	14.3 Transport hazard class(es)	14.4 Packing group	14.5 Environmental hazards
DOT	NDA	Not Regulated	NDA	NDA	NDA
TDG	NDA	Not Regulated	NDA	NDA	NDA
IMO/IMDG	NDA	Not Regulated	NDA	NDA	NDA

IATA/CAO	NDA	Not Regulated	NDA	NDA	NDA
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14.6 Special precautions for user • None specified.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code • Data lacking.

Section 15 - Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

SARA Hazard Classifications • Acute

Inventory						
Component	CAS	Australia AICS	Canada DSL	Canada NDSL	China	EU EINECS
Calcium chloride	10043-52-4	Yes	Yes	No	Yes	Yes
Potassium chloride	7447-40-7	Yes	Yes	No	Yes	Yes
Sodium chloride	7647-14-5	Yes	Yes	No	Yes	Yes
Inventory (Cont.)						
Component	CAS	EU ELNICS	Japan ENCS	Korea KECL	New Zealand	TSCA
Calcium chloride	10043-52-4	No	Yes	Yes	Yes	Yes
Potassium chloride	7447-40-7	No	Yes	Yes	Yes	Yes
Sodium chloride	7647-14-5	No	Yes	Yes	Yes	Yes

Canada

Labor

Canada - WHMIS - Classifications of Substances

• Calcium chloride	10043-52-4	D2B Uncontrolled product according to WHMIS classification criteria (including 23.8%)
• Potassium chloride	7447-40-7	Uncontrolled product according to WHMIS classification criteria
• Sodium chloride	7647-14-5	

Canada - WHMIS - Ingredient Disclosure List

• Calcium chloride	10043-52-4	Not Listed
• Potassium chloride	7447-40-7	Not Listed
• Sodium chloride	7647-14-5	Not Listed

Environment

Canada - CEPA - Priority Substances List

• Calcium chloride	10043-52-4	Not Listed
• Potassium chloride	7447-40-7	Not Listed
• Sodium chloride	7647-14-5	Not Listed

Germany

Environment

Germany - Water Classification (VwVwS) - Annex 1

• Calcium chloride	10043-52-4	Not Listed
• Potassium chloride	7447-40-7	Not Listed
• Sodium chloride	7647-14-5	Not Listed

Germany - Water Classification (VwVwS) - Annex 2 - Water Hazard Classes

• Calcium chloride	10043-52-4	ID Number 220, hazard class 1 - low hazard to waters
• Potassium chloride	7447-40-7	ID Number 230, hazard class 1 - low hazard to waters
• Sodium chloride	7647-14-5	ID Number 270, hazard class 1 - low hazard to waters

Germany - Water Classification (VwVwS) - Annex 3

• Calcium chloride	10043-52-4	Not Listed
• Potassium chloride	7447-40-7	Not Listed
• Sodium chloride	7647-14-5	Not Listed

United States

Labor

U.S. - OSHA - Process Safety Management - Highly Hazardous Chemicals

• Calcium chloride	10043-52-4	Not Listed
• Potassium chloride	7447-40-7	Not Listed
• Sodium chloride	7647-14-5	Not Listed

U.S. - OSHA - Specifically Regulated Chemicals

• Calcium chloride	10043-52-4	Not Listed
• Potassium chloride	7447-40-7	Not Listed
• Sodium chloride	7647-14-5	Not Listed

Environment

U.S. - CAA (Clean Air Act) - 1990 Hazardous Air Pollutants

• Calcium chloride	10043-52-4	Not Listed
• Potassium chloride	7447-40-7	Not Listed
• Sodium chloride	7647-14-5	Not Listed

U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities

• Calcium chloride	10043-52-4	Not Listed
• Potassium chloride	7447-40-7	Not Listed
• Sodium chloride	7647-14-5	Not Listed

U.S. - CERCLA/SARA - Radionuclides and Their Reportable Quantities

• Calcium chloride	10043-52-4	Not Listed
• Potassium chloride	7447-40-7	Not Listed
• Sodium chloride	7647-14-5	Not Listed

U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs

• Calcium chloride	10043-52-4	Not Listed
• Potassium chloride	7447-40-7	Not Listed
• Sodium chloride	7647-14-5	Not Listed

U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs

• Calcium chloride	10043-52-4	Not Listed
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• Potassium chloride	7447-40-7	Not Listed
• Sodium chloride	7647-14-6	Not Listed
U.S. - CERCLA/SARA - Section 313 - Emission Reporting		
• Calcium chloride	10043-52-4	Not Listed
• Potassium chloride	7447-40-7	Not Listed
• Sodium chloride	7647-14-5	Not Listed
U.S. - CERCLA/SARA - Section 313 - PBT Chemical Listing		
• Calcium chloride	10043-52-4	Not Listed
• Potassium chloride	7447-40-7	Not Listed
• Sodium chloride	7647-14-5	Not Listed
U.S. - TSCA (Toxic Substances Control Act) - Section 5 - New Chemicals Program (NCP) Chemical Categories		
• Calcium chloride	10043-52-4	Not Listed
• Potassium chloride	7447-40-7	Not Listed
• Sodium chloride	7647-14-5	Not Listed

United States - California

Environment

U.S. - California - Proposition 65 - Carcinogens List

• Calcium chloride	10043-52-4	Not Listed
• Potassium chloride	7447-40-7	Not Listed
• Sodium chloride	7647-14-5	Not Listed

U.S. - California - Proposition 65 - Developmental Toxicity

• Calcium chloride	10043-52-4	Not Listed
• Potassium chloride	7447-40-7	Not Listed
• Sodium chloride	7647-14-6	Not Listed

U.S. - California - Proposition 65 - Maximum Allowable Dose Levels (MADL)

• Calcium chloride	10043-52-4	Not Listed
• Potassium chloride	7447-40-7	Not Listed
• Sodium chloride	7647-14-5	Not Listed

U.S. - California - Proposition 65 - No Significant Risk Levels (NSRL)

• Calcium chloride	10043-52-4	Not Listed
• Potassium chloride	7447-40-7	Not Listed
• Sodium chloride	7647-14-5	Not Listed

U.S. - California - Proposition 65 - Reproductive Toxicity - Female

• Calcium chloride	10043-52-4	Not Listed
• Potassium chloride	7447-40-7	Not Listed
• Sodium chloride	7647-14-5	Not Listed

U.S. - California - Proposition 65 - Reproductive Toxicity - Male

• Calcium chloride	10043-52-4	Not Listed
• Potassium chloride	7447-40-7	Not Listed
• Sodium chloride	7647-14-5	Not Listed

15.2 Chemical Safety Assessment

- No Chemical Safety Assessment has been carried out.

Section 16 Other Information

Last Revision Date

- 04/March/2014

Preparation Date

- 04/March/2014

Disclaimer/Statement of Liability

- The information presented herein, while not guaranteed, was prepared by technical personnel and is true and accurate to the best of our knowledge. No warranty of merchantability or fitness for a particular purpose, or warranty or guaranty of any other kind, express or implied, is made regarding performance, safety, suitability, stability or otherwise. This information is not intended to be all-inclusive as to the manner and conditions of use, handling, storage, disposal and other factors that may involve other or additional legal, environmental, safety or performance considerations, and Cal-Chlor assumes no liability whatsoever for the use of or reliance upon this information. No suggestions for the use are intended as, and nothing herein shall be construed as a recommendation to infringe any existing patents or to violate any federal, state, local or foreign laws. OSHA Standard 29 CFR 1910.1200 requires that information be provided to employees regarding the hazards of chemicals by means of a hazard communication program including labeling, safety data sheets, training and access to written records. We request that you, and it is your legal duty to, make all information in this Safety Data Sheet available to your employees.

Key to abbreviations

NDA = No data available

Swim Best® SAFETY DATA SHEET

1. PRODUCT IDENTIFICATION

Product Name: TRICHLOR 3" TABLETS
Synonym(s): 1,3,5-trichloro-s-triazine-2,4,6-trione; TCCA; Trichlor; Symclosene; Trichloroisocyanuric Acid
Recommended Uses: Sanitizer, Disinfectant
SDS Reference: 105

Company Information: ALLCHEM PERFORMANCE PRODUCTS, INC. **Distributed By:** WATER TECHNIQUES, INC
6010 NW FIRST PLACE 14260 W. NEWBERRY RD #162
GAINESVILLE, FL 32607 NEWBERRY FL 32669
Tel: 352-378-9696
24 HOUR EMERGENCY NUMBER: INFOTRAC (TRANSPORTATION): 1-800-535-5053

2. HAZARD(S) IDENTIFICATION

Classification: CORROSIVE
FATAL IF INHALED
HARMFUL IF SWALLOWED
TARGET ORGAN TOXICITY (SINGLE)
REPRODUCTIVE TOXIN
OXIDIZER
ENVIRONMENTAL HAZARD



Signal Word: DANGER

Hazard Statements: HEALTH HAZARDS:
Skin Corrosion/Irritant: Causes severe skin burns and eye damage - Category 1C
Eye Damage/Irritation: Causes serious eye damage - Category 1
Inhalation Toxicity: Fatal if inhaled - Category 2
Oral Toxicity: Harmful if swallowed - Category 4
Target Organ Toxicity (single exposure) May cause respiratory tract irritation - Category 3
Reproductive Toxin - May damage fertility or the unborn child - Category 1B.

PHYSICAL HAZARDS:
Oxidizing Solid - May intensify fire; oxidizer - Category 2 - OXIDIZING AGENT. Contact with water slowly liberates irritating and hazardous chlorine containing gases. Contamination with moisture, organic material, or other incompatible chemicals may start a reaction with generation of heat, liberation of hazardous gases, and possible fire and explosion. Contact with acids liberates toxic gas. Decomposes at temperatures above 464°F with liberation of harmful gases. When ignited will burn with the evolution of chlorine and equally toxic gases. Do not get water inside container. Wet material may generate nitrogen trichloride, an explosion hazard.

ENVIRONMENTAL HAZARDS:
Very toxic to aquatic life - Acute 1
Very toxic to aquatic life with long lasting effects - Chronic 1.

Precautionary Statements: Do not breathe dust, fume, gas, mist, vapors, or spray. In case of inadequate ventilation, wear respiratory protection. Wear protective gloves, protective clothing, eye, and face protection. Wash face, hands and any exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Keep container tightly closed and store locked up. Avoid release to the environment.
May intensify fire, oxidizer. Keep away from heat.
ADDITIONAL HAZARD INFORMATION: This material is corrosive. Product has strong buffering capability. Use dilution. May cause burns to moist skin if not promptly removed. There is no specific antidote.

Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Skin Contact: Remove/Take off Immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse.

Inhalation: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or doctor/physician. Specific treatment is urgent (see Section 4 of SDS or first aid information on this label).

Ingestion: Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER or doctor/physician if you feel unwell. Specific treatment (see First Aid information on product label and/or Section 4 of the SDS).

Swim Best® SAFETY DATA SHEET

3. COMPOSITION

Chemical Name:		PERCENT %	CAS #
Trichloro-s-triazinetriene		98 - 100	87-90-1
Boric Acid		<1	10043-35-3

4. FIRST AID

If In Eyes:	Immediately flush contaminated eyes with a directed stream of water for as long as possible. Remove contact lenses, if present, then continue rinsing. GET MEDICAL ATTENTION IMMEDIATELY.
If on Skin or Clothing:	Immediately flush contaminated areas with water. Remove contaminated clothing, jewelry, and shoes immediately. Wash contaminated areas with soap and water. GET MEDICAL ATTENTION. Thoroughly clean and dry contaminated clothing and shoes before reuse.
If Inhaled:	If inhalation of dust occurs and adverse effects result, remove to uncontaminated area. Evaluate ABC's (Is Airway constricted, Is Breathing occurring, and Is blood Circulating) and treat symptomatically. GET MEDICAL ATTENTION IMMEDIATELY. There is no specific antidote, treat symptomatically.
If Swallowed:	If swallowed, do not induce vomiting. Give large amounts of water. If vomiting occurs spontaneously, keep airway clear. Give more water when vomiting stops. Never give anything by mouth to an unconscious or convulsive person. GET MEDICAL ATTENTION IMMEDIATELY.
Note:	Probable mucosal damage may contraindicate the use of gastric lavage. Have the product container or label with you when calling a poison control center or doctor, or going for treatment. Acute Symptoms/Effects: Listed below. Inhalation (Breathing): Respiratory System Effects: Exposure to the solid product or to free chlorine evolving from the product may cause irritation, redness of upper and lower airways, coughing, laryngospasm and edema, shortness of breath, bronchoconstriction, and possible pulmonary edema. The pulmonary edema may develop several hours after a severe acute exposure. Skin: Skin Corrosion. Exposure to solid along with moisture may cause redness, irritation, burning sensation, swelling, blister formation, first, second, or third degree burns. Eye: Serious Eye Damage. Exposure to eyes may cause irritation and burns to the eye lids, conjunctivitis, corneal edema, and corneal burn. Significant and prolonged contact may cause damage to the internal contents of the eye. Ingestion (Swallowing): Gastrointestinal Effects: Exposure by ingestion may cause irritation, nausea, and vomiting. May cause local tissue damage to esophagus and stomach such as burning, inflammation, local ulceration, and may cause gastrointestinal bleeding. Delayed Symptoms/Effects: - Repeated and prolonged skin contact may cause a dermatitis. Notes to Physician: Treat as a corrosive substance. This material is more irritating to the skin and eyes in the presence of water. For prolonged exposures and significant exposures, consider delayed injury to exposed tissues. There is no antidote. Cyanuric acid is readily removed from the body via the renal system, and is not bioaccumulated. Treatment is supportive care. Follow normal parameters for airway, breathing, and circulation.

5. FIREFIGHTING MEASURES

Suitable / Unsuitable Extinguishing Media:	Flood with water. Do not use ABC fire extinguishers. Do not use dry chemicals, carbon dioxide, or halogenated extinguishing agents.
Specific Hazards from Chemical:	Negligible fire hazard. If heated by outside source to temperatures above 240°C (464°F), this product will undergo decomposition with the evolution of noxious gases but no visible flame. Wet material may generate nitrogen trichloride, an explosion hazard. This product is an NFPA Class 1 Oxidizer. Fire Fighting: Consider evacuation of personnel located downwind. Keep unnecessary people away, isolate hazard area and deny entry. Move container from fire area if it can be done without risk. Avoid inhalation of material or combustion by-products. Stay upwind and keep out of low areas. Containers which appear undamaged, except for being damp on the outside, should be opened and inspected immediately. DO NOT attempt to reseal contaminated drums. Damp material should be neutralized to a non-oxidizing state.
Special Protective Equipment:	Wear NIOSH approved positive-pressure self-contained breathing apparatus operated in pressure demand mode.
Other information:	Hazardous Combustion Products: Chlorine, Nitrogen, Nitrogen trichloride, Cyanogen chloride, Oxides of carbon, Phosgene.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Keep unnecessary and unprotected persons away. Isolate hazard area and deny entry. Do not get in eyes, on skin or on clothing. Do not breathe dust, fume, gas, mist, vapors, or spray. Wear appropriate personal protective equipment recommended in Section 8, Exposure Controls / Personal Protection, of the SDS.
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Swim Best® SAFETY DATA SHEET

Methods and Materials for cleanup: DO NOT add water to spilled material. DO NOT use floor sweeping compounds to clean up spills. Sweep and scoop spilled material into clean, dedicated equipment. Every attempt should be made to avoid mixing spilled material with other chemicals or debris when cleaning up. DO NOT attempt to reseal contaminated drums. DO NOT transport wet or damp material. Damp material should be neutralized to a non-oxidizing state.

Environmental Precautions: This material is very toxic to aquatic life. This material is very toxic to aquatic life with long lasting effects. Keep out of water supplies and sewers. Releases should be reported, if required, to appropriate agencies.

7. HANDLING AND STORAGE

Handling: Do not get in eyes, on skin, or on clothing. Avoid breathing vapors or dust when opening container. Avoid creation of dust. Wash thoroughly after handling. Wear personal protective equipment as described in Exposure Controls/Personal Protection (Section 8) of the SDS. NEVER add water to this product. Always add product to large quantities of water. Use clean, dry utensils. Do not add the product to any dispensing device containing residuals of other products.

Storage: Store in original container and in a dry area where temperatures do not exceed 52°C (125°F) for 24 hours. Store and handle in accordance with all current regulations and standards. Do not allow water to get in container. If liner is present, tie after each use. Keep container tightly closed and properly labeled. Store containers on pallets. Keep away from food, drink and animal feed. Keep separated from incompatible substances (see Section 10 of the Safety Data Sheet).
(NFPA Oxidizer Class 1)

8. EXPOSURE CONTROLS / PERSONAL PROTECTIONS

OSHA permissible exposure limit: Regulatory Exposure Limit(s): None. This product does not contain any components that have regulatory occupational exposure limits (OEL's) established.
OEL: Occupational Exposure Limit; OSHA: United States Occupational Safety and Health Administration; PEL: Permissible Exposure Limit; TWA: Time Weighted Average; STEL: Short Term Exposure Limit
NON-REGULATORY EXPOSURE LIMIT(S): None. This product does not contain any components that have advisory (non-regulatory) occupational exposure limits (OEL's).
- The Non-Regulatory United States Occupational Safety and Health Administration (OSHA) limits, if shown, are the Vacated 1989 PEL's (vacated by 58 FR 35338, June 30, 1993).
- The American Conference of Governmental Industrial Hygienists (ACGIH) is a voluntary organization of professional industrial hygiene personnel in government or educational institutions in the United States. The ACGIH develops and publishes recommended occupational exposure limits each year called Threshold Limit Values (TLVs) for hundreds of chemicals, physical agents, and biological exposure indices.
Additional Advice: Chlorine and chlorine compounds may be found in slight amounts in the head space of containers of this product.

Appropriate Engineering Controls: Use only in well-ventilated areas. Provide local exhaust ventilation where dust or mist may be generated. Ensure compliance with applicable exposure limits.

Individual Protection Measures:
Eye Protection: Wear chemical safety goggles. Provide an emergency eye wash fountain and quick drench shower in the immediate work area.
Skin and Body Protection: Wear protective clothing to minimize skin contact. When potential for contact with dry material exists, wear disposable coveralls suitable for dust exposure, such as Tyvek®. Contaminated clothing should be removed and laundered before reuse.
Hand Protection: Wear appropriate chemical resistant gloves. Consult a glove manufacturer for assistance in selecting an appropriate chemical resistant glove.
Protective Material Types: Butyl rubber, Natural rubber, Neoprene, Nitrile, Polyvinyl chloride (PVC), Tyvek®.
Respiratory Protection: A NIOSH approved respirator with N95 (dust, fume, mist) cartridges may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits, or when symptoms have been observed that are indicative of overexposure. The added protection of a full face piece respirator is required when visible dusty conditions are encountered and eye irritation may occur. Acid gas cartridges with N95 filters are required when fumes or vapor may be generated. A respiratory protection program that meets 29 CFR 1910.134 must be followed whenever workplace conditions warrant use of a respirator.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: White Solid Tablet/Stick

Flammability (solid/gas): Not Flammable

Swim Best® SAFETY DATA SHEET

Odor:	Slight chlorine-like	Upper/lower Flammability or Exposure limits:	Not Flammable
Odor Threshold:	No data available	Vapor Pressure:	<0.002 Pa @ 20°C
pH:	2.9 - 3.5 @ 25°C (1% solution)	Vapor Density:	Not Applicable
Melting Point/Freezing Point:	478°F (248°C)	Density:	63 - 66 lbs/ft ³
Initial Boiling Point/Boiling Range:	Not Applicable	Partition Coefficient: n-octanol/water:	No data available
Flash Point:	Not Applicable	Auto-ignition Temperature:	No data available
Evaporation Rate:	Not Applicable	Decomposition Temperature:	478°F (248°C)
		Viscosity:	No data available

10. STABILITY AND REACTIVITY

Stability/Reactivity:	Stable under normal temperatures and pressures. NPFA Class 1 Oxidizer.
Possibilities of Hazardous Reactions: Conditions to Avoid:	Hazardous Polymerization: Will Not Occur None known.
Incompatible Materials:	Acids, ammonia, bases, floor sweeping compounds, calcium hypochlorite, reducing agents, organic solvents and compounds.
Hazardous Decomposition Materials:	Chlorine, Nitrogen, Nitrogen trichloride, Cyanogen chloride, Oxides of carbon, Phosgene.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity:	PRODUCT TOXICITY: Oral LD50 (rat): 809 mg/kg Dermal LD50 (rabbit): >2000 mg/kg Inhalation LC50 (rat - 4hr): >0.09 mg/l - < 0.29 mg/l IRRITATION DATA: Dermal Irritation: Severe Irritation, Corrosive Eye Irritation: Severe Irritation, Corrosive
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COMPONENT TOXICITY DATA (may differ from product toxicity given above):

Trichloro-s-triazinetrione:
Oral LD50 (rat): 406 mg/kg
Dermal LD50 (rabbit): 2000 mg/kg
Inhalation LC50 (rat - 1hr): 50 mg/l (4h rat)

Boric Acid:
Oral LD50 (rat): 2660 mg/kg
Dermal LD50 (rabbit): 2000 mg/kg
Inhalation LC50 (rat - 1hr): 0.16 mg/l (4 hr rat)

POTENTIAL HEALTH EFFECTS:

Eye contact: Eye exposures may cause burns to the eye lids, conjunctivitis, corneal edema, and corneal burn. Significant and prolonged contact may cause damage to the internal contents of eye.

Skin contact: Exposure to solid along with moisture may cause redness, irritation, burning sensation, swelling, blister formation, first, second, or third degree burns. Dry material is less irritating than wet material. This material is not a skin sensitizer based on studies with guinea pigs.

Inhalation: This material in the form as sold is not expected to produce respiratory effects. Particles of respirable size are generally not encountered. The respirable fraction is typically less than 0.1% by weight for the granular and extra granular grades. If ground or otherwise in a powdered form, effects similar to a corrosive substance may occur. Exposure to the solid product or to free chlorine evolving from the product may cause irritation, redness of upper and lower airways, coughing, laryngospasm and edema, shortness of breath, bronchoconstriction, and possible pulmonary edema. The pulmonary edema may develop several hours after a severe acute exposure.

Ingestion: Exposure by ingestion may cause irritation, nausea, and vomiting. May cause local tissue damage to epiglottis, mucus membranes of the mouth, esophagus and stomach such as burning, inflammation, local ulceration, and may cause gastrointestinal bleeding.

Chronic Effects: None identified for the parent chemical. Based on animal studies, exposure to

Swim Best[®] SAFETY DATA SHEET

concentrations of monosodium cyanurate at the solubility limit may cause cardiovascular, kidney and urinary bladder effects.

SIGNS AND SYMPTOMS OF EXPOSURE:

Inhalation (Breathing): Respiratory System Effects: Exposure to the solid product or to free chlorine evolving from the product may cause irritation, redness of upper and lower airways, coughing, laryngospasm and edema, shortness of breath, bronchoconstriction, and possible pulmonary edema. The pulmonary edema may develop several hours after a severe acute exposure.

Skin: Skin Corrosion. Exposure to solid along with moisture may cause redness, irritation, burning sensation, swelling, blister formation, first, second, or third degree burns.

- Chronic Toxicity: Monosodium cyanurate was administered via drinking water to rats for 104 weeks at concentrations of 0, 400, 1200, 2400, and 5375 ppm (solubility limit). No compound-related effects on body weights, clinical signs of toxicity or food or water consumption were noted during the study. An increased incidence of gross lesions in the urinary tract, calculi in the kidney and lesions in the heart were observed in males receiving the highest dose level of 5375 ppm (solubility limit). The health effects seen in this study were due to precipitation of the test substance in the urinary tract when the test substance was fed at the solubility limit. Adverse health effects were not seen at lower doses where precipitation did not occur.
- Reproductive Toxicity: Classified as a reproductive toxin per GHS criteria. Category 1B - May damage fertility or the unborn child.
- Carcinogenicity: This product is not classified as a carcinogen by NTP, IARC or OSHA.
Component:
Boric Acid - listed under Group 2 IARC.
- Mutagenicity: Not classified as a mutagen per GHS criteria. Not mutagenic in 5 Salmonella strains and 1 E. coli strain with or without mammalian microsomal activation.

12. ECOLOGICAL INFORMATION

- Aquatic Toxicity: Freshwater Fish Toxicity:
LC50 Bluegill Sunfish: 0.23 - 0.40 mg/L (96 hour)
LC50 Rainbow Trout: 0.24 - 0.37 mg/L (96 hour)
Invertebrate Toxicity:
LC50 Water Flea: 0.17 - 0.80 mg/L (48 hour)
Algae Toxicity:
LC50 Green algae: <0.5 mg/L (3 hour)
- Avian Toxicity: LD50 Mallard Duck (oral): 1021 - 1631 mg/kg
LD50 N. Bobwhite Quail (oral): 1638 mg/kg
LD50 Mallard duck (diet): >10,000 ppm
LD50 N. Bobwhite Quail (diet): >7422 ppm
- Environmental Hazards: BIODEGRADATION: This material is subject to hydrolysis. Cyanuric acid produced by hydrolysis is biodegradable.
PERSISTENCE: This material is believed not to persist in the environment. Free available chlorine is rapidly consumed by reaction with organic and inorganic materials to produce chloride ion. The stable degradation products are chloride ion and cyanuric acid.
BIOCONCENTRATION: This material hydrolyses in water liberating free available chlorine and cyanuric acid. These products are not bioaccumulative.
This product is toxic to fish and aquatic organisms.
ADDITIONAL ECOLOGICAL INFORMATION: This product is very toxic to fish and aquatic organisms. This product is very toxic to aquatic life with long lasting effects. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

13. DISPOSAL CONSIDERATIONS

- Disposal: Waste from material: Use or reuse if possible. This material is a registered pesticide. Dispose in accordance with all applicable regulations. Do not put product, spilled product, or filled or partially filled containers into the trash or waste compactor. DO NOT transport wet or damp material. Damp material should be neutralized to a non-oxidizing state. Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.
Container disposal: See product label for container disposal information. May be subject to disposal regulations.

Swim Best® SAFETY DATA SHEET

14. TRANSPORTATION INFORMATION

Transportation: Please refer to applicable regulations or call company noted under Section I.

15. REGULATORY INFORMATION

TSCA: USA: Reported in the EPA TSCA Inventory or are exempt.

SARA (311, 312): Fire Hazard, Reactive Hazard, Acute Health Hazard

SARA 313: Not listed.

Right To Know Hazardous Substance List: California Proposition 65: This product is not listed, but it may contain impurities/trace elements known to the State of California to cause cancer or reproductive toxicity as listed under Proposition 65 State Drinking

Waste Classification: No data available

California Proposition 65 Cancer WARNING: Not Listed
California Proposition 65 CRT List - Male reproductive toxin: Not Listed
California Proposition 65 CRT List - Female reproductive toxin: Not Listed
Massachusetts Right to Know Hazardous Substance List Listed
New Jersey Right to Know Hazardous Substance List: 1892
New Jersey Special Health Hazards Substance List Not Listed
New Jersey - Environmental Hazardous Substance List Not Listed
Pennsylvania Right to Know Hazardous Substance List Listed
Pennsylvania Right to Know Special Hazardous Substances Not Listed
Pennsylvania Right to Know Environmental Hazard List Not Listed
Rhode Island Right to Know Hazardous Substance List Listed

Workplace Classification: This product is considered hazardous under the OSHA Hazard Communication Standard (29CFR 1910.1200).

CERCLA Reportable: Not applicable.

Quantity:

EPA NOTES:

This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. The pesticide label also includes other important information, including directions for use. Following is the hazard information as required on the pesticide label:

SIGNAL WORD: DANGER

PRECAUTIONARY STATEMENTS. HAZARDS TO HUMANS AND DOMESTIC ANIMALS. DANGER. CORROSIVE. Causes irreversible eye damage. May be fatal if inhaled. Harmful if swallowed or absorbed through the skin. Do not breathe dust, vapor or spray mist. Wear goggles, face shield or safety glasses. Wash thoroughly with soap and water after handling and before eating, drinking or using tobacco. Remove contaminated clothing and wash before reuse.

PHYSICAL AND CHEMICAL HAZARDS: Strong oxidizing agent: DO NOT mix with other chemicals. Mix only with water. Never add water to product. Always add product to large quantities of water. Use clean, dry utensils. Do not add this product to any dispensing device containing remnants of any other product. Such use may cause a violent reaction leading to fire or explosion. Contamination with moisture, organic matter or other chemicals will start a chemical reaction and generate heat, hazardous gas, possible fire and explosion. In case of contamination or decomposition, do not reseal container. If possible, isolate container in open air, well ventilated area. Flood area with large volumes of water.

ENVIRONMENTAL HAZARDS: This product is toxic to fish and aquatic organisms.

16. OTHER INFORMATION

ALWAYS COMPLY WITH ALL APPLICABLE INTERNATIONAL, FEDERAL, STATE AND LOCAL REGULATIONS REGARDING THE TRANSPORTATION, STORAGE, USE AND DISPOSAL OF THIS CHEMICAL. Due to the changing nature of regulatory requirements, the REGULATORY INFORMATION listed in Section 15 of this document should NOT be considered all-inclusive or authoritative. International, Federal, State and Local regulations should be consulted to determine compliance with all required reporting requirements. The information in this SDS was obtained from sources, which we believe are reliable. HOWEVER, THE INFORMATION IS PROVIDED WITHOUT ANY WARRANTY, EXPRESS OR IMPLIED, REGARDING ITS CORRECTNESS. The conditions or methods of handling, storage, use, and disposal of the product are beyond our control and may be beyond our knowledge. FOR THIS AND OTHER REASONS, WE DO NOT ASSUME RESPONSIBILITY AND EXPRESSLY DISCLAIM LIABILITY FOR LOSS, DAMAGE OR EXPENSE ARISING OUT OF OR IN ANY WAY CONNECTED WITH THE HANDLING, STORAGE, USE OR DISPOSAL OF THE PRODUCT. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

HMIS Rating: Health: 3
Flammability: 0
Reactivity: 2

NFPA Rating: Health: 2
Flammability: 0
Reactivity: 2

Created On: 5/27/2015

Special Hazard Warning: OX - Oxidizer, Class 1



City of Long Beach

Department of Financial Management
Purchasing Division
411 W Ocean Blvd. 6th floor, Long Beach, California 90802
p 562.570.6200

November 11, 2021

NOTICE TO PROPOSERS
ADDENDUM NO. 1: Q & A

ITB No. PR 22-001
Pool Chemicals, Supplies, and Services

This addendum changes and supersedes the language in the original ITB. Please acknowledge receipt of this addendum by signing and submitting with your bids. Any bidders who fails to submit this addendum may be disqualified.

The City would like to issue an Addendum to provide the following:

Questions and answers as follows:

- Q1:** Who is the incumbent and pricing for the Mini bulk deliveries of Hypo and Hcl?
A1: Waterline Technologies Inc is the incumbent. You can retrieve the pricing on PlanetBids by looking up the previously awarded bid, bid number ITB PR 17-100.
- Q2:** What are the Hcl tank sizes for the Hcl Bulk deliveries?
A2: Please refer to Delivery Requirement on pages 17 and 18 of the bid document.
- Q3:** Will a 40 foot trailer be able to access all delivery sites for mini-bulk deliveries?
A3: Yes

PREPARED BY: Christina Sarmiento, Assistant Buyer II

ACKNOWLEDGED BY: Waterline Technologies Inc.

Company Name

Thomas R Berrey

Print Name

Thomas R Berrey

Signature

GM

Title

11/11/2021

Date

Bid Results

Bidder Details

Vendor Name Waterline Technologies Inc.
Address 620 Santaigo Street
Santa Ana, California 92701
United States
Respondee Thomas Berrey
Respondee Title GM
Phone 714-564-9100
Email tberrey@waterlinetech.com
Vendor Type
License #

Bid Detail

Bid Format Electronic
Submitted 11/16/2021 11:51 AM (PST)
Delivery Method Our Truck 48 hours
Bid Responsive
Bid Status Submitted
Confirmation # 273038

Respondee Comment

Buyer Comment

Attachments

File Title	File Name	File Type
complete bid package.pdf	complete bid package.pdf	General Attachments - Signed Bid Cover page and all pages of the bid document (pages 1-26).
20211111084348972 ITB PR22-001 Addendum 1 Q A 11-11-21.pdf	20211111084348972 ITB PR22-001 Addendum 1 Q A 11-11-21.pdf	General Attachment - Attachments A through H
SDS SHEETS.pdf	SDS SHEETS.pdf	General Attachment - Addenda and any other applicable documents, e.g., CSLB, MSDS, CPL

Line Items

Discount Terms No Discount

Item #	Item Code	Type	Item Description	UOM	QTY	Unit Price	Line Total	Response	Comment
Option 1: Pool Chemicals							\$187,448.4000		
1	Item 01		12.5% Sodium Hypochlorite (Chlorine) - 1-gallon bottle	GALLON	500	\$4.8800	\$2,440.0000	Yes	
2	Item 02		12.5% Sodium Hypochlorite (Chlorine) - 15-gallon carboy	CARBOY	1	\$88.7500	\$88.7500	Yes	
3	Item 03		12.5% Sodium Hypochlorite (Chlorine) - 53-gallon drum	DRUM	200	\$147.0000	\$29,400.0000	Yes	
4	Item 04		12.5% Sodium Hypochlorite (chlorine) - per gallon bulk; Delivered via tanker up to 300 gallons	GALLON	35000	\$1.6800	\$58,800.0000	Yes	
5	Item 05		Muriatic Acid (20 degree baume) - 1-gallon bottle	GALLON	250	\$6.1900	\$1,547.5000	Yes	
6	Item 06		Muriatic Acid (20 degree baume) - 15-gallon carboy	CARBOY	100	\$94.9300	\$9,493.0000	Yes	
7	Item 07		Muriatic Acid (20 degree baume) - 50-gallon drum	DRUM	100	\$227.0000	\$22,700.0000	Yes	
8	Item 08		Muriatic Acid (20 degree baume) - per gallon bulk; Delivered via tanker up to 300 gallons	GALLON	15000	\$2.3700	\$35,550.0000	Yes	
9	Item 09		Chlorinating concentrate; 62% available chlorine - 50-lb pail	PAIL	10	\$210.0000	\$2,100.0000	Yes	
10	Item 10		Granular chloride; calcium hypochlorite (69%) - 100-lb drum	DRUM	5	\$248.6100	\$1,243.0500	Yes	
11	Item 11		Calcium chloride - 50-lb bag	BAG	200	\$17.4500	\$3,490.0000	Yes	
12	Item 12		Soda ash; light - 50-lb bag	BAG	10	\$19.0100	\$190.1000	Yes	
13	Item 13		Sodium Bicarbonate - 50-lb bag	BAG	500	\$17.4500	\$8,725.0000	Yes	
14	Item 14		Sodium Thiosulfate - 50-lb bag	BAG	10	\$97.8000	\$978.0000	Yes	
15	Item 15		1" Bromine Tablets 50-lb bucket	BUCKET	20	\$344.1500	\$6,883.0000	Yes	
16	Item 16		3" Chlorine tablets 50-lb bucket	BUCKET	20	\$186.0000	\$3,720.0000	Yes	
17	Item 17		Drum Deposit	EA	1	\$50.0000	\$50.0000	Yes	
18	Item 18		Drum Refund	EA	1	\$50.0000	\$50.0000	Yes	
Option 2: Maintenance Parts							\$117,961.6800		
19	Item 19		1/4" White poly tubing	FOOT	500	\$0.5600	\$280.0000	Yes	
20	Item 20		3/8" White poly tubing	FOOT	500	\$0.5800	\$290.0000	Yes	
21	Item 21		5/8" White poly tubing	FOOT	500	\$2.9200	\$1,460.0000	Yes	
22	Item 22		LMI 1/2" Injection check	EA	10	\$75.6000	\$756.0000	Yes	
23	Item 23		M161 11 SP 1/2" Injectors	EA	10	\$69.3000	\$693.0000	Yes	
24	Item 24		LMI- SP - U17 Repair kit	EA	10	\$90.9000	\$909.0000	Yes	
25	Item 25		LMI- repair kit RPM - 362/368	EA	10	\$113.4000	\$1,134.0000	Yes	
26	Item 26		LMI - 3/8" Clamp ring	EA	10	\$0.5200	\$5.2000	Yes	
27	Item 27		LMI - 3/8" PVDF Injection valve assembly	EA	10	\$63.9000	\$639.0000	Yes	
28	Item 28		4 Function valve	EA	10	\$85.5000	\$855.0000	Yes	
29	Item 29		LMI - PVC 4 function valve discharge assembly	EA	10	\$85.5000	\$855.0000	Yes	
30	Item 30		Schedule 80 1/2" Female Adapter (25 count) per box	BOX	5	\$87.0000	\$435.0000	Yes	
31	Item 31		Schedule 80 1/2" 90 ELL (20 count) per box	BOX	5	\$41.0000	\$205.0000	Yes	
32	Item 32		Schedule 80 1/2" Coupling (25 count) per box	BOX	5	\$93.0000	\$465.0000	Yes	
33	Item 33		Schedule 80 1/2" NX Close Nipple	EA	10	\$1.1800	\$11.8000	Yes	
34	Item 34		1/2" Ball valve Thd	EA	10	\$21.0600	\$210.6000	Yes	
35	Item 35		Kool Rod 5/8"	EA	10	\$0.1400	\$1.4000	Yes	
36	Item 36		Decoseal 96 oz kit grey	EA	5	\$81.3500	\$406.7500	Yes	
37	Item 37		Starite PTM upper clamp	EA	5	\$119.8300	\$599.1500	Yes	
38	Item 38		PTM Tank Clamp lower S	EA	5	\$110.3100	\$551.5500	Yes	
39	Item 39		STA-Rite Original Basket	EA	5	\$13.7600	\$68.8000	Yes	
40	Item 40		HWD VGB 12" X 12" replacement covers & frames	EA	6	\$63.7300	\$382.3800	Yes	
41	Item 41		Aladdin B-37 Filter Basket	EA	150	\$14.5600	\$2,184.0000	Yes	
42	Item 42		Clamp knob	EA	5	\$8.7700	\$43.8500	Yes	
43	Item 43		Tank Clamp Nut	EA	5	\$12.0400	\$60.2000	Yes	
44	Item 44		Alr Release VLV Assembly	EA	5	\$12.6000	\$63.0000	Yes	
45	Item 45		Duraform hinge assembly	EA	4	\$122.1400	\$488.5600	Yes	
46	Item 46		Duraform fulcrum kit	EA	4	\$855.0000	\$3,420.0000	Yes	
47	Item 47		Paragon Delux Deck Caps	EA	4	\$47.5000	\$190.0000	Yes	
48	Item 48		Maxisweep 75 SQFT 23.25 OL	EA	4	\$47.0600	\$188.2400	Yes	

Item #	Item Code	Type	Item Description	UOM	QTY	Unit Price	Line Total	Response	Comment
49	Item 49		Anti-wave Lane Line cable	EA	50	\$1.2800	\$64.0000	Yes	
50	Item 50		Anti-wave super tensioners	EA	50	\$78.7000	\$3,935.0000	Yes	
51	Item 51		Anti-wave Line Lines - 4.75" disc size - 25 yd	EA	50	\$401.2500	\$20,062.5000	Yes	
52	Item 52		Anti-wave Line Lines - 4.75" disc size - 25 m	EA	50	\$444.1000	\$22,205.0000	Yes	
53	Item 53		Anti-wave Line Lines - 4.75" disc size - 50 m	EA	50	\$825.0000	\$41,250.0000	Yes	
54	Item 54		Anti-wave water polo goals	EA	4	\$1,781.0000	\$7,124.0000	Yes	
55	Item 55		Anti-wave water polo netting	EA	4	\$106.0000	\$424.0000	Yes	
56	Item 56		Colorado Timing 6-digit Slim Digital Pace Clock	EA	4		\$0.0000	No	
57	Item 57		Colorado Timing Underwater Speaker	EA	2		\$0.0000	No	
58	Item 58		Stenner Pump - Single Head Adjustable Chemical Feed	EA	6	\$361.6600	\$2,169.9600	Yes	
59	Item 59		Double Head Adjustable Chemical Feed	EA	6	\$479.2900	\$2,875.7400	Yes	
Option 3: Services							\$0.0000		
60	Item 60		Rate - Straight Time	HOUR	0	\$155.0000	\$0.0000	Yes	
61	Item 61		Rate - Overtime	HOUR	0	\$235.5000	\$0.0000	Yes	
62	Item 62		Rate - Double Time/ Weekends & Holidays	HOUR	0	\$310.0000	\$0.0000	Yes	

Line Item Subtotals

Section Title	Line Total
Option 1: Pool Chemicals	\$187,448.4000
Option 2: Maintenance Parts	\$117,961.6800
Option 3: Services	\$0.0000
Grand Total	\$305,410.0800