



Charlotte County Purchasing Division
18500 Murdock Circle, Suite 344
Port Charlotte, Florida 33948-1094

Phone 941.743.1378
Fax 941.743.1384

NOTICE OF AVAILABILITY OF BID SPECIFICATIONS

REQUEST FOR BIDS
CHARLOTTE COUNTY, FLORIDA

The County of Charlotte will be receiving sealed bids at the Purchasing Division, Suite 344, Charlotte County Administration Center, 18500 Murdock Circle, Port Charlotte, FL 33948-1094, for:

BID NO. 2019000582
WATER AND WASTEWATER CHEMICALS - ANNUAL

This is an annual contract for the purchase of water and wastewater chemicals to be utilized by the Utilities Department.

PRE-BID CONFERENCE: 2:00 p.m. (EST) AUGUST 20, 2019
PURCHASING DIVISION CONFERENCE ROOM

BID OPENING: 2:00 p.m., (EST), AUGUST 28, 2019
PURCHASING DIVISION CONFERENCE ROOM

Bid Documents may be obtained by accessing the Charlotte County Purchasing Division's website at <https://purchasingbids.charlottecountyfl.gov> under "Purchasing Bids Online", document number 195822. Any questions can be answered by contacting Cheri Alexander, C.P.M., CPPB, Senior Contract Specialist at 941.743.1548 or email: Cheri.Alexander@CharlotteCountyFl.gov.

Notice of Availability
Posted: August 14, 2019



Charlotte County Purchasing Division
18500 Murdock Circle, Suite 344
Port Charlotte, Florida 33948-1094

Phone 941.743.1378
Fax 941.743.1384

STATEMENT OF NO BID

If you do not intend to bid on this commodity/service, please return this form to the above address immediately. If this statement is not completed and returned, your company may be deleted from the Charlotte County Vendors' list for this commodity/service.

We the undersigned, have declined to bid on requested commodity/service **Bid #2019000582, WATER AND WASTEWATER CHEMICALS - ANNUAL**, for the following reason(s):

- _____ Specifications too "tight", i.e. geared toward one brand or manufacturer only (explain below).
- _____ Insufficient time to respond to the Invitation to Bid.
- _____ We do not offer this product or service.
- _____ Our schedule would not permit us to perform.
- _____ Unable to meet bond/insurance requirements.
- _____ Unable to meet specifications.
- _____ Specifications are unclear (explain below).
- _____ Remove us from your vendors' list for this commodity/service.
- _____ Other (specify below).

Remarks: _____

Company Name: _____

Contact Person (typed or printed): _____

Contact Person Signature: _____

Phone: _____ Fax: _____

E-Mail Address: _____

Note: Statement of No Bid may be emailed to Cheri.Alexander@CharlotteCountyFl.gov or faxed in to the Purchasing Division at 941.743.1384.

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BID NO. 2019000582

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**INSTRUCTIONS TO BIDDERS
WATER AND WASTEWATER CHEMICALS - ANNUAL
BID NO. 2019000582**

IB-01 QUALIFICATIONS OF BIDDERS: It is the intent of the County to award this contract to the lowest responsible bidder, qualified by experience and solvency, with proven reliability and the ability to supply all items within a reasonable time frame acceptable to Charlotte County. Bidder may be required to supply information in writing at the request and discretion of the County prior to award of bids, in order to verify above requirements.

IB-02 GENDER DESIGNATION: The County and the Contractor are treated throughout these Documents as if each were of the singular number and masculine gender.

IB-03 EXAMINATION OF DOCUMENTS:

A. Prior to the submission of a bid form, bidders shall carefully examine the bid package including the Request for Bids, Instructions to Bidders, Technical Specifications & Conditions, Insurance Requirements, and all other related bid documents, including all modifications thereof, incorporated in the bid package.

B. Discrepancies, omissions, or questions about the intent of the documents should be submitted to the Purchasing Division in written form as a request for interpretation no later than five (5) calendar days prior to bid opening (or shall be verbally addressed at the pre-bid conference, if applicable).

C. Interpretations of any of the bid documents made will be in the form of a written addendum to the documents, which will be posted on the purchasing website. Receipt of any addenda by each bidder must be acknowledged on the bid form, indicating the addendum number and date of issue, therein becoming a part of the contract. No oral explanations shall be binding. The County will attempt to notify all prospective bidders of addenda issued to the bidding documents; however, it shall be the responsibility of the bidder, prior to submitting their bid, to determine if addenda were issued, acknowledging and incorporating it into their bid.

IB-04 PREPARATION AND SUBMISSION OF BID FORM REQUIREMENTS:

A. Bids shall be submitted on the bid form supplied by the County, or duplication thereof and attached thereto, or as otherwise specified. Bidders shall indicate the number of calendar days required for delivery and acknowledge receipt of any addenda received during the bid period.

Each bid must give the full business address of the bidder and state whether bidder is an individual, corporation or partnership. Bid Forms by a corporation must be signed in the name of the corporation, followed by the original signature and designation of the officer or other person authorized to bind the corporation.

Bid Forms by partnerships shall show the names of all partners. The partnership title shall be followed by the original signature of each partner.

Any erasures or other corrections in the bid form must be explained or noted over the signature of the bidder. Bid Forms containing any conditions, omissions, unexplained erasures, alterations, or irregularities of any kind may be rejected by the County.

Bid documents and forms shall be submitted sealed, and the envelope/package clearly marked with the Bid Number and the Name and Business Address of the individual/firm submitting the bid. Bids postmarked prior to said time and date but not received shall **not** be considered and will be returned to bidder unopened.

B. Bid Guarantee - The bid form shall be signed where indicated guaranteeing that the bidder will not withdraw his bid for a period of 60 days after the scheduled time of opening of bids.

IB-05 WITHDRAWAL OF BIDS: Bids may be withdrawn by request of the bidder prior to the time fixed for opening. Error or negligence on the part of the bidder in preparing the bid confers no right for the withdrawal of the bid after it has been opened.

IB-06 BID TABULATIONS: In accordance with Florida Statutes, Section 119(1)(b)2: Sealed bids, proposals, or replies received by an agency pursuant to a competitive solicitation are exempt from s. 119.07(1) and s. 24(a), Art. I of the State

Constitution until such time as the agency provides notice of an intended decision or until 30 days after opening the bids, proposals, or final replies, whichever is earlier. Those bidders interested in receiving a copy of the results of this bid once they are released may do so by visiting our website at <https://purchasingbids.charlottecountyfl.gov> under "Purchasing Bids Online", Document Number 195824. No information regarding the submittal will be divulged over the telephone.

IB-07 RESERVED RIGHTS: The County reserves the right to accept or reject any and/or all bids, to waive irregularities and technicalities, and to request resubmission of bids. Also, the County reserves the right to accept all or any part of the bid and to increase or decrease quantities to meet additional or reduced requirements of the County. Any sole response received the first submission date may be rejected by the County depending on available competition and timely needs of the County.

IB-08 FORM OF CONTRACT: The submitted Bid Form signed by the Bidder, together with the complete bid package furnished by the County, shall constitute a binding contract. The Bidder shall be required to perform according to the Bidder's submitted Bid Form and the County's bid package when a purchase order, signed by the Senior Division Manager - Purchasing or his/her designee, is transmitted to the Bidder. The transmitted purchase order shall serve as both a Notice of Acceptance and Notice to Proceed to the Bidder. Failure to comply with the conditions set forth in the purchase order shall be deemed a breach of contract subjecting the Bidder to forfeiture of the bid bond or other posted security and other possible penalties.

IB-09 NOTICE TO PROCEED/DELIVERY: After award of bid, a purchase order shall be issued bearing the terms of delivery. Upon receipt of purchase order, successful bidder shall acknowledge receipt of same by either fax or mail, and shall commence prosecution of order so that the agreed upon delivery date will be satisfied.

IB-10 PAYMENT: Request for payment must be submitted to the Charlotte County Purchasing Division on a form approved by the County. Price shall be net and all invoices payable according to the Local Government Prompt Payment Act (F.S.218.74).

IB-11 PERFORMANCE EVALUATION: At the end of the contract, the receiving department will evaluate the successful bidder's performance. This evaluation will become public record.

IB-12 ARITHMETIC DISCREPANCIES:

A. For the purpose of initial evaluation of bids, the following will be utilized in resolving arithmetic discrepancies found on the face of the bid forms as submitted by bidders:

1. Obviously misplaced decimal points will be corrected.
2. In case of discrepancy between unit price and extended price, the unit price will govern. Apparent errors in extension will be corrected.
3. Apparent errors in addition of lump sum and extended prices will be corrected.

B. For the purpose of bid evaluation, the County will proceed on the assumption that the bidder intends his bid be evaluated on the basis of the unit prices, extensions, and totals arrived at by resolution of arithmetic discrepancies as provided above, and the bid will be so reflected on the tabulation of bids.

IB-13 DESCRIPTIVE INFORMATION: Unless otherwise specifically provided in the specifications, all equipment, materials and articles incorporated in the work covered by the contract are to be new and of the most suitable grade for the purpose intended. Unless otherwise specifically provided in the specifications, reference to any equipment, material, article or patented process, by trade name, make or catalogue number, shall be regarded as establishing a standard of quality and shall not be construed as limiting competition. If the bidder wishes to make a substitution to the specifications, the bidder shall furnish to the County the name of the manufacturer, the model number, and other identifying data and information necessary to aid the County in evaluating the substitution, and such substitution shall be subject to County approval. Substitutions shall be approved only if determined by the County to be equivalent to the specifications. A bid containing a substitution is subject to disqualification if the substitution is not approved by the County.

Specified items bid shall be identified by brand name, number, manufacturer and model, and shall include full descriptive information, brochures, or appropriate attachments.

IB-14 QUALITY GUARANTEE: If any product delivered does not meet applicable specifications, or if the product will not produce the effect that the successful bidder represents to the County, the successful bidder shall pick up the product from the County at no expense to the County. Also, the successful bidder shall refund to Charlotte County any money which has been paid for same. The successful bidder will be responsible for reasonable County attorney fees expended to obtain compliance with this provision in the event the successful bidder defaults under this provision.

IB-15 REGULATIONS:

A. It shall be the responsibility of each supplier to assure compliance with any OSHA, EPA, and/or other Federal or State of Florida rules, regulations or other requirements, as each may apply.

B. Bidder must be authorized to transact business and be properly licensed in the State of Florida. All applicable laws and regulations of the State of Florida and ordinances and regulations of Charlotte County will apply to any resulting contract.

IB-16 CODE OF ETHICS: With respect to this bid, if any bidder violates or is a party to a violation of the State of Florida/Florida Statutes, Chapter 112, Part III, Code of Ethics for Public Officers and Employees, such bidder may be disqualified from furnishing the goods or services for which the bid is submitted and shall be further disqualified from submitting any future bids for goods or services for Charlotte County.

IB-17 COLLUSION: By offering a submission to this invitation for bid, the bidder certifies the bidder has not divulged to, discussed or compared his bid with other bidders and has not colluded with any other bidder or parties to this bid whatsoever. Also, bidder certifies, and in the case of a joint bid each party thereto certifies as to his own organization, that in connection with this bid:

- any prices and/or cost data submitted have been arrived at independently, without consultation, communication, or agreement, for the purpose of restricting competition, as to any matter relating to such prices and or cost data, with any other bidder or with any competitor;
- any prices and/or cost data quoted for this bid have not been knowingly disclosed by the bidder and will not knowingly be disclosed by the bidder prior to the scheduled opening directly or indirectly to any other bidder or to any competitor;
- no attempt has been made or will be made by the bidder to induce any other person or firm to submit or not to submit a bid for the purpose of restricting competition;
- the only person or persons interested in this bid, principal or principals is/are named therein and that no person other than therein mentioned has any interest in this bid or in the contract to be entered into; and
- no person or agency has been employed or retained to solicit or secure the contract upon an agreement or understanding for a commission, percentage, brokerage, or contingent fee excepting bona fide employees or established commercial agencies maintained by the Purchaser for the purpose of doing business.

IB-18 SOURCE OF SUPPLY AND SUBCONTRACTORS: Bidders are to complete the attached Source of Supply and Subcontractors form. This form must be completed and included with the bid form. If bidder does not have a source of supply or subcontractor, insert "to be determined". When source or subcontractor is determined, selection will be subject to County approval.

IB-19 DRUG FREE WORKPLACE FORM: It is strongly suggested that the attached Drug Free Workplace Form be signed and returned to this office with the bid form. In the event of a tie bid, the presence of a valid and accurate form may be used as a basis for awarding the contract.

IB-20 PUBLIC ENTITY CRIMES: In accordance with Florida Statutes Sec. 287.133(2)(a), "A person or affiliate who has been placed on the convicted vendor list following a conviction for a public entity crime may not submit a bid on a contract to provide any goods/services to a public entity, may not submit a bid on a contract with a public entity for construction or repair of a public building or public work, may not submit bids on leases of real property to a public entity, may not be awarded or perform work as a contractor, supplier, subcontractor, or consultant under a contract with any public entity, and may not transact business with any public entity in excess of the threshold amount provided in Section 287.017, for Category Two, for a period of 36 months from the date of being placed on the convicted vendor list".

IB-21 CANCELLATION/TERMINATION OF CONTRACT: The County shall have the right to cancel, terminate or suspend the contract, in whole or in part, by providing the Contractor 30 days written notice by certified mail.

It is expressly understood by the County and the Contractor that funding for any successive fiscal years of the contract is contingent upon appropriation of monies by the Charlotte County Board of County Commissioners. In the event that funds

are not available or are not appropriated, the County reserves the right to terminate the contract. The County will be responsible for payment of any outstanding invoices and work completed by the Contractor prior to such termination.

Pursuant to Section 287.135(3)(a)4 of the Florida Statutes, Charlotte County may, at its sole option, terminate any Agreement valued at \$1,000,000 or more if the Contractor is found to have submitted a false certification, has been placed on the *Scrutinized Companies with Activities in Sudan List*, or the *Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List*, or has been engaged in business operations in Cuba or Syria or a boycott of Israel.

Pursuant to Section 287.135(3)(b) of the Florida Statutes, Charlotte County may, at its sole option, terminate any Agreement in any amount if the Contractor is found to have been placed on the *Scrutinized Companies that Boycott Israel List*, or is engaged in a boycott of Israel.

IB-22 INDEMNIFY: After notification of award, the successful bidder shall indemnify and hold harmless the County, its officers, employees, agents and volunteers, from action, including any court costs or attorneys' fees arising from, or as a result of, any act or omission by bidder, its officers, employees, licensees, invitees, contractors, agents or assignees, in the performance of the services and/or the delivery of goods for which the resulting agreement was entered into. Bidder agrees that the first ten dollars (\$10.00) of compensation received under the resulting agreement represents specific consideration for the indemnification obligation. Nothing in the award, resulting agreement, contract or Purchase Order shall be deemed to affect the rights, privileges and immunities of the County as set forth in Florida Statute 768.28.

IB-23 TAXES: The Contractor shall assume liability for Local, State, or Federal Tax that is applicable to the work.

IB-24 ASSIGNMENT: This agreement, or any interest herein, shall not be assigned, transferred or otherwise encumbered, under any circumstances by Contractor without the prior written consent of the County.

IB-25 EQUAL EMPLOYMENT OPPORTUNITY: Charlotte County, Florida, in accordance with the provisions of Title VI of The Civil Rights Act of 1964 (78 Stat. 252) and the Regulations of the Department of Commerce (15 CFR, Part 8) issued pursuant to such Act, hereby notifies all bidders that it will affirmatively ensure that in any contract entered into pursuant to this advertisement, minority business enterprises will be afforded full opportunity to submit bids in response to this advertisement and will not be discriminated against on the grounds of race, color or national origin in consideration for an award.

All bidders are hereby notified that the successful bidder (Contractor) must and shall comply with the Civil Rights Act of 1964, the Age Discrimination in Employment Act, the Rehabilitation Act of 1973, the Americans with Disabilities Act and the Florida Civil Rights Act, all as amended. Specifically, Contractor agrees that:

- No person shall, on the grounds of race, color, sex, religion, age, disability, national origin or marital status, be excluded from participation in, be denied the benefits of, or be otherwise subjected to discrimination under any program, activity or service funded through the contract.
- Contractor will not discriminate against any employee or applicant for employment because of race, color, religion, sex, age, disability, national origin or marital status. Contractor agrees to post in a conspicuous place, available to employees and applicants for employment, notices setting forth the provisions of this non-discrimination clause.
- Contractor will, in all solicitations or advertisements regarding program activities, services provided or applications for employment, state that all qualified applicants will receive consideration for services or employment without regard to race, color, religion, sex, age, disability, national origin or marital status.
- County may require Contractor to submit reports as may be necessary to indicate non-discrimination. County officials will be permitted access to Contractor's books, records, accounts and other sources of information and its facilities as may be pertinent to ascertain compliance with non-discrimination laws.

It is expressly understood that County shall have the right to terminate the contract upon receipt of evidence of discrimination.

IB-26 EMPLOYEE BACKGROUND CHECK: If an owner, except a stockholder in a publicly traded corporation, or an employee of the Contractor has been convicted of any offenses requiring registration as a sexual offender or sexual predator, regardless of the location of conviction, the Contractor shall ensure that the offender's or predator's work on the project is consistent with the terms of his probation and registry requirements.

IB-27 CONTRACTS PUBLIC RECORDS: Pursuant to Section 119.0701 of the Florida Statutes, Contractors performing government functions on behalf of the County must: a) keep and maintain public records associated with the contracted project; b) provide the public with access to public records pursuant to the terms of Chapter 119 of the Florida Statutes; c)

ensure that public records that are exempt or confidential from public records disclosure requirements are not disclosed except as authorized by law; and d) meet all requirements for retaining public records, transfer at no cost to the County all public records in their possession upon termination of the contract, and destroy any duplicate public records that are confidential and exempt.

**TECHNICAL SPECIFICATIONS & CONDITIONS
WATER AND WASTEWATER CHEMICALS - ANNUAL
BID NO. 2019000582**

TS-01 PURPOSE: It is the intent of Charlotte County (hereinafter referred to as County) to purchase water and wastewater treatment chemicals on an as required basis. Chemicals shall be primarily utilized by the Utilities Department (hereinafter referred to as Utilities) and shall be delivered to various job sites within the County. Any water or wastewater system that Utilities acquires through contract operations or direct purchase shall receive the same price structure.

Name Brand specifications are offered as a guide only, and not a competitive limiting device. Other manufacturers (bidders of similar specified items) are encouraged to submit competitive bids. The County will accept an equivalent or better for all items listed. Equivalents are subject to verification by County prior to acceptance of same.

For purposes of this Bid, the term "bidder" shall be defined as the company submitting the proposal and shall include all subsidiaries, affiliates, and subcontractors. As such, any requested documentation shall apply to all subsidiaries and affiliated companies as well as any subcontractors. In the event that a company is using a subcontractor to either manufacture or deliver the product, the requested items (e.g., references, terminations, and safety incidents) shall apply to the subcontractor as well.

TS-02 STANDARDS: It shall be the responsibility of each supplier to assure compliance with any Occupational Safety and Health Administration, (OSHA), Environmental Protection Agency (EPA), National Safety Foundation International (NSF) and other Federal, State, and/or Local rules, regulations, or other requirements, as each may apply. Where AWWA Standards are applicable to any chemical listed herein, the same shall be in compliance with the latest revisions thereof. Florida Statutes, Chapter 442 Right-To-Know Law, mandates on-site Material Safety Data Sheets (MSDS) for all toxic substances. All bidders are required to submit MSDS with their Bid Forms.

TS-03 BID PRICES/TERMS OF CONTRACT: The contract resulting from this bid request shall be valid from October 1, 2019 through and including September 30, 2020. If mutually agreed, this contract may be extended annually for up to two (2) additional one-year terms, at the same prices, terms and conditions.

Bidders shall bid unit prices, F.O.B. destination. These prices shall be considered firm for the duration of the contract and will be used for payment, including transportation, labor, equipment, and incidentals used in delivering supplies and materials to the point of delivery.

Storage tanks, when required for materials offered under this bid, shall be furnished by the successful bidder(s), on a no-cost-to-buyer loan basis. Charlotte County shall not pay a cylinder or container fee for late returns.

Estimated quantities are provided as a courtesy, cannot be guaranteed, and are not meant to imply actual quantities to be purchased. The County will not knowingly disclose an estimate disproportionate to what is anticipated or expected to be needed within a twelve-month period. Current contract prices can be obtained by accessing the Charlotte County Purchasing Division's website at <https://purchasingbids.charlottecountyfl.gov> under "Purchasing Bids Online", Search History. Historical searches can only be executed by keying in all or part of the project title. The previous Contract number for this project is 16-409 and is entitled "WATER AND WASTEWATER CHEMICALS - ANNUAL".

TS-04 DELIVERY: Successful bidder(s) shall be strictly held to delivery date. In the event chemicals are not delivered by date specified, the County reserves the right to withdraw from contracts of purchase, and either award to the next lowest bidder or re-bid the specific product.

All deliveries shall be made between 7:00 a.m. and 3:00 p.m., Monday through Friday, excluding legal holidays, unless otherwise agreed by the receiving department prior to attempting to make a delivery. No additional delivery charges may be imposed for additional delivery attempts resulting from the successful bidders' failure to make contact with the representative at delivery site. Bulk deliveries require two (2) hours' notice of arrival from the supplier prior to delivery.

Successful bidder(s) is advised to visit each delivery point without inconvenience to the County, to assure that his equipment is compatible with the County's unloading and storage facilities. Bidders shall indicate on the Bid Form their methods for off-loading the chemical at each location (example: pallet of chemical by use of a pallet jack or forklift). Such methods must be made known in advance as the County wishes to contract with suppliers that have safe, efficient techniques for off-loading established. It is the successful bidders' full responsibility to off-load all deliveries and place in County storage facilities.

Certified weight tickets are required for each delivery. Successful bidder(s) will assure separate delivery tickets for each delivery and will obtain authorized signatures from County's employees. At least one (1) copy of the delivery ticket and corresponding weight ticket shall be left with County Employee on each delivery.

The Contractor shall be responsible for any spills resulting from the failure of its or its subcontractor's delivery equipment or from failure of attendant delivery personnel in the proper performance of their duties. Proper performance shall require attendant delivery personnel's constant inspection and observation of unloading operations and knowledgeable response to problems or emergencies, which would most commonly be expected to occur. The County reserves the right to refuse any and all deliveries made with equipment that is poorly maintained.

The tanks or trailers shall be clean and free of residue that may contaminate the Contractor's product or impede the unloading process. It is the Contractor's responsibility to verify the cleanliness of the transporting equipment before loading. All appurtenant valves, pumps, and discharge hoses used for the delivery of sodium hypochlorite shall be supplied by the Contractor and shall be clean and free from contaminating material. The County may reject a load if the equipment is not properly cleaned. The Contractor shall furnish a County approved, leak-free connection device between the trailer and the County's intake receptacle. The Contractor shall observe the entire filling operation at each delivery site and shall immediately report any spills caused during the filling operations. The Contractor shall take immediate and appropriate actions to clean up any spilled liquid sodium hypochlorite. If the spill is not cleaned up, the County will hire a certified hazardous material handling company to clean up the spill, and the cost of such service will be charged to the Contractor and deducted from the amount due to the Contractor. If the County's unloading equipment such as pipe, valves or level indication and alarms should fail and the spillage is not the fault of the Contractor or its subcontractor, the Contractor shall be relieved of cleanup of the spill.

Each individual requirement will be covered by a Purchase Order. Separate invoicing reflecting Purchase Order Numbers will be required. Should successful bidder(s) become unable to perform due to breakdown, product scheduling, lack of product or equipment, County may, as needed, purchase from other sources. The successful bidder(s) shall be held liable for the difference of cost between awarded price and cost of the required purchase from another source. Deliveries shall be made in tank truckloads as called for in these specifications. Chemicals shall be delivered to the following various locations throughout the County: **(Sites marked with an asterisk (*) are not accessible with a large tanker and shall have delivery made by a truck no longer than 26 feet in length.**

*Gulf Cove Water Booster Station # 3
12050 Van Lenten Blvd (Gillot & Van Lenten)
Port Charlotte, Florida 33953

*Walenda Reclaimed Water Booster Station
7180 Walenda Avenue
Port Charlotte, FL 33953

*Walenda Water Booster Station #4
3560 Haitian Road
Port Charlotte, Florida 33954

Angol Lift Station #321
Angol Street
Punta Gorda, FL 33983

Leachate Treatment Plant
29751 Zemel Road
Punta Gorda, FL 33955

Tee View Lift Station # 857
Tee View Road & Tee view Terrace
Rotonda, Florida 33947

East Port Reclamation Facility
3100 Loveland Boulevard
Port Charlotte, Florida 33980

Rotonda Water Booster Station #6
46 Parade Circle
Rotonda, Florida 33946

Rotonda Wastewater Plant
3740 Kendall Road
Rotonda West, FL 33947

*Ingraham Injection Station #7
14276 Ingraham Boulevard
Port Charlotte, FL 33981

West Port Wastewater Plant
15005 Cattedock Point Road
Port Charlotte, FI 33981

Utilities Service Center
25550 Harborview Road
Port Charlotte, FL 33953

Burnt Store Wastewater Plant
17430 Burnt Store Road
Punta Gorda, Florida 33950

Burnt Store Reverse Osmosis Plant
17430 Burnt Store Road
Punta Gorda, Florida 33950

*Eagle Street Reclaimed Water Booster Station
Lorenzo Avenue & Eagle Street
Port Charlotte, FL 33952

*Golf Course Water Booster Station #2
22339 Glen Eagles Drive
Port Charlotte, Florida 33952

Myakka Booster Station
4070 Railroad Avenue
Port Charlotte, FL 33953

Successful bidder(s) must make deliveries within 96 hours after notification. If the successful bidder(s) cannot meet the requirements, the County shall purchase from another source until successful bidder(s) is able to meet the requirements. Successful bidder(s) shall be responsible for the difference of any costs incurred as a result.

TS-05 IDENTIFICATION: Each shipment shall exhibit a form of identification. Shipments shall be marked legibly with net weight of contents, manufacturer name, and brand name. Failure to comply may result in rejection of shipment at no cost to the County.

TS-06 SAFETY MEASURES: The successful bidder(s) shall provide an appropriate safe handling training course, within the first three (3) months of the contract, to all current Charlotte County user department personnel. Successful bidder(s) shall be available to conduct "refresher" courses or new employee training at six-month intervals throughout the duration of the contract.

Bidder(s) shall assure the County that each delivery truck will have the following (exceptions to these provisions must be noted on Bid Forms):

- A capable CDL licensed driver trained to properly handle chemical shipments and use and operation of equipment (if applicable).
- Self-Contained Breathing Apparatus (SCBA) (if applicable).
- Repair Kits for use on a 1-ton and/or 150-pound cylinder (if applicable).

Successful bidder(s) guarantees that when, in the opinion of the County, an emergency condition exists, trained emergency crew(s) and proper equipment will be immediately available on a 24-hour basis if the County places a telephone call to the number provided by the successful bidder(s).

Bidder(s) shall supply, in writing, an emergency spill response plan with emergency response personnel names and contact telephone numbers and 24-hour contact numbers. Emergency Response Plans must be detailed and proficient. Bidder(s) shall supply in writing, an updated Emergency Response Plan, at least once per year at the time of contract renewal. The County reserves the right to reject bidder(s) who fail to submit a comprehensive, emergency-spill response plan.

Proper spill response notifications procedure along with any forms as required by all local, state or federal regulatory agencies shall be supplied by the successful bidder(s) and any subcontracted delivery companies. This requirement in no way relieves the successful bidder(s) of his responsibility to notify the proper regulatory agencies of a spill incident. In the event of a spill or leak, the successful bidder(s) shall provide the necessary personnel to respond to and work with the Charlotte County Fire/Rescue or designated Hazardous Materials Response Team. The successful bidder(s) shall manage and oversee "After Event" clean-up efforts. Should a spill or leak caused by successful bidders' personnel, equipment, or method of delivery occur, successful bidder(s) shall immediately comply with all applicable terms and conditions of the Reauthorization Act of 1986, 42 USC 11001, et. seq. (SARA) and the Florida Hazardous Materials Emergency Response and Community Right-to-Know Act of 1988, Chapter 252, Part II, Florida State Statutes. The responsibility of compliance with Federal, State, and/or County Rules and Regulations regarding vendor caused spills or releases shall rest with the successful bidder(s). Successful bidder(s) agrees to hold Charlotte County harmless for failure to properly report and/or comply with this provision.

TS-07 CALCIUM HYPOCHLORITE 65%: Calcium hypochlorite is used for the treatment of municipal water and wastewater, and shall be supplied in accordance with AWWA Standard B300-92 with the following specifics and additions:

- Chlorine shall be delivered in 100-pound sealed drums or palletized with six (6) drums per pallet. Pallets must consist of wooden slates on top and bottom and are to be loaded to 600 pounds per pallet. All pallets are to be

protected with shrink-wrap plastic when shipped to the County. Broken drums will not be accepted. Palletizing, shrink wraps, and associated labor involved in packing and delivery is considered incidental to the price of a palletized product. Therefore, costs involved with packaging and delivery of palletized products are to be included in the bid price as there will be no separate pay item for same.

- All granular chlorine shipping containers shall conform to applicable regulations of the Interstate Commerce Commission.
- The chemical must be white, free flowing, granular solid with a chlorinous odor. Chemical formula - $\text{Ca}(\text{OC}_1)_2$ with a specific gravity of 0.98%. Affidavits of compliance to AWWA Standard B300-92 regarding Calcium Hypochlorite Chlorine is required.

Should samples be required for bid evaluation, Bidders will be required to furnish one (1) 100-pound sealed drum, as designated by the County, at no charge.

TS-08 SULFURIC ACID 93%: All Sulfuric Acid 93% \pm 1% shall be delivered in quantities of at least 200 gallons with a maximum of 1000 gallons, per delivery, at the Burnt Store RO Plant. All products shall meet NSF-60 requirements as appropriate. This chemical is intended specifically for use to lower the pH of well water prior to reverse osmosis water treatment systems.

- shall contain no more than 17ppm in Low Iron RO Grade Sulfuric Acid (H_2SO_4)
- provide a certification of the analysis of the load being delivered at the time of delivery
- provide a complete breakdown of the conversion formula required for liquid gallons to pounds
- provide MSDS documentation with the bid
- each load shall be accompanied by a certified weight ticket
- all costs incidental to delivery and off-loading of chemicals shall be included in bid price
- any deliveries not meeting chemical quality, regulatory, safety or delivery requirements shall be returned at no cost to County and shall be re-shipped and/or re-delivered by Supplier within 48 hours of the original unacceptable delivery
- supplier shall provide at the time of delivery a dated receipt, signed by the driver, identifying product and quantity
- receipts shall be signed by the on-site County personnel at the time of delivery and a copy of the receipt presented to him/her
- no delivery shall be made when a County representative is not on-site
- payment will not be made until defects are corrected and the Sulfuric Acid re-inspected and accepted
- provide certification of National Sanitation Foundation (NSF) NSF 60 registration and compliance
- Affidavit of Compliance to AWWA Standards regarding Sulfuric Acid is required

The Sulfuric Acid supplied under this specification shall contain no substances in quantities capable of producing deleterious or injurious effects on the health of those consuming the water that has been treated with it. Transport of the Sulfuric Acid shall conform to all applicable Federal, State, and local laws and regulations.

TS-09 PHOSPHORIC ACID 75%: All Phosphoric Acid 75% shall be delivered in 55-gallon poly drums. The chemical must be a viscous, colorless to straw-colored and odorless liquid with a specific gravity of 1.573% and a bulk density of 13.1 pounds per gallon with a chemical formula H_3PO_4 . It does not need to be approved for drinking.

All Chemical shipping containers shall be in compliance with the regulations of the Interstate Commerce Commission.

TS-10 SODIUM HYDROXIDE SOLUTION NaOH & 50% (Caustic Soda): Sodium Hydroxide (Caustic Soda) is used in water treatment systems and wet scrubber odor control type systems. This chemical is intended specifically for use in the manipulation of pH for stability purposes in water treatment systems and wet scrubber odor-control systems. All specifications are to be in accordance with AWWA Standard B501-93 with the following specifics and additions:

- Caustic Soda 50% shall be available in bulk deliveries in quantities of at least 200 gallons and a maximum of 1000 gallons per delivery to the Burnt Store Reverse Osmosis Plant location. Only liquid 50% solution is required at this location. All products shall meet NSF-60 or 61 requirements as appropriate. The estimated quantities for this item are one (1) delivery per year of 1000-2000 gallons per delivery.
- The Caustic Soda supplied under this specification shall contain no substances in quantities capable of producing deleterious or injurious effects on the health of those consuming the water that has been treated with it. Transport of the Caustic Soda shall conform to all applicable Federal, State, and local laws and regulations.

Should samples be required for bid evaluation, Bidders will be required to deliver 100 gallons to the County at a pre-determined site at no charge to the County for testing of product prior to awarding the bid.

TS-11 SODIUM HYPOCHLORITE SOLUTION NaOC₁ 12% (Chlorine Bleach): Sodium Hypochlorite (Chlorine Bleach) is used in water and wastewater treatment facilities. All specifications are to be in accordance with AWWA Standard B300-04 regarding Sodium Hypochlorite with the following specifics and additions: Sodium Hypochlorite (Chlorine Bleach) shall be available for bulk delivery in quantities of at least 1800 gallons with a maximum of 4200 gallons, per delivery, at the East Port Facility. Quantities of 1500 gallons or less may be delivered to other Utilities water and wastewater treatment facilities as required.

Each prospective bidder shall submit a 1500 ml "chilled" sample of their product representative of their manufacturing process to one of the approved testing laboratories listed below for analysis.

NovaChem Laboratories (formerly Novatek)
5172 College Corner Pike (PO Box 608)
Oxford, Ohio 45056
Ph: 513-523-3605
Fax: 513-523-4025

Thornton Laboratories
1145 East Cass Street
Tampa, Florida 33602
Ph: 813-223-9702
Fax: 813-223-9332

Envirodyne, Inc.
4805 N.W. 2nd Avenue
Boca Raton, Florida 33431
Ph. 800-713-7737

KSA Environmental Laboratory, Inc.
10200 USA Today Way
Miramar, Florida 33025

Note: Concentration testing for iron and transition metal ions for nickel and copper in sodium hypochlorite is a difficult test and requires high levels of knowledge and experience for accurate and repetitive test results.

Sampling and testing shall be in accordance with EPA and AWWA B300-04 standards and in accordance with the documents titled: "*The Weight Percent Determination of Sodium Hypochlorite, Sodium Hydroxide, And Sodium Chlorate in Liquid Bleach*" and "*Suspended Solids Quality Test for Bleach Using Vacuum Filtration*", distributed by Powell Fabrication and Manufacturing, Inc. Should Bidder request to use another laboratory, that laboratory must be certified by the National Environmental Laboratory Accreditation Conference (NELAC) and must be able to meet the following Minimum Detection Limits (MDL): (1) Metals .02 mg/L; (2) Bromate .1 mg/L; (3) Chlorate 20 mg/L; (4) Perchlorate 20 mg/L and (5) Chlorine/Excess Caustic 0.1%. Bidder shall provide proof of current NELAC certification and laboratory analysis shall specify the MDL if a non-approved laboratory is used.

The laboratory shall ascertain whether the bidder's product is in compliance with this specification for available chlorine, 12% sodium hypochlorite, excess caustic, iron, copper, nickel, chlorate, perchlorate, bromate and suspended solids (based on Filter Test time). The cost of the analysis shall be borne by bidder. Failure to submit a sample or meet the requirements of the Specification may result in rejection of bid. Bidders are to submit results of the sample tests with their bid.

Further, County reserves the right to take samples from bidder's other customers to ensure that the bidder's sample and delivery equipment is in compliance with all the requirements of this specification and such a sample shall be judged representative of the bidder's quality. In such event, County shall bear the cost of any analysis. Based on this compliance check, failure to meet the requirements of this specification may result in rejection of bid.

Each prospective bidder shall submit a list of at least three (3) references to include phone numbers that use or have used its sodium hypochlorite for water or wastewater treatment in the past two (2) years. The reference list shall list actual users at the water and wastewater plants along with purchasing agents. Additionally, each bidder shall provide the names of any customers where its contract was terminated early (e.g., debarred) for safety, quality or service issues for any product it supplies over the past five (5) years. The bidder shall also provide a detailed listing of all accidents, incidents, releases, spills, and National Response Center Notifications ("safety incidents") for all chemicals it delivers or manufacturers for the past five (5) years. Failure to disclose references, terminations or safety incidents may result in rejection of bid. For purposes of this bid, the term "Bidder" shall be defined as the company submitting the proposal and shall include all subsidiaries, affiliates, and subcontractors. As such, any requested documentation shall apply to all subsidiaries and affiliated companies as well as any subcontractors and all of its manufacturing or delivery points. In the event that a company is using a subcontractor to either manufacture or deliver the product, the requested items (e.g., references, terminations, and safety incidents) shall apply to the subcontractor as well.

At the sole discretion of the County, the Contractor's delivery personnel (driver) may be asked to collect a sample of hypochlorite before the shipment is unloaded. In this case, the County will supply the sample container and the driver shall collect the sample from the tank truck and turn it over to the County. The sample shall be considered representative of the lot.

The County reserves the right to subject samples of the hypochlorite to quick analyses to ensure that it meets basic conditions of the specification with respect to specific gravity, weight percent of sodium hypochlorite, sodium hydroxide, and suspended solids. Any lot tested by the County that fails to comply with the specifications shall constitute grounds for rejection of that lot. No payment shall be made for hypochlorite that is rejected. The Contractor or its subcontractors shall allow 45 minutes for this testing to be completed. If testing cannot be completed within the 45-minute period, the County shall allow the Contractor to unload the shipment.

Hypochlorite supplied under this contract shall be tested and certified as meeting these specifications and those of the American National Standards Institute/National Sanitation Foundation Standard 60 (ANSI/NSF Standard 60), Drinking Water Treatment Chemicals Health Effects.

It is the responsibility of the supplier to inform the County that NSF certification has been revoked or lapsed within 24 hours of the time the supplier receives verbal or written notification. Loss of certification shall constitute sufficient ground for immediate termination of the contract between County and Contractor.

Hypochlorite delivered under this contract shall have a minimum of 120 Grams per Liter (GPL) available chlorine equivalent to 10.85 percent sodium hypochlorite by weight. Product shall be a clear straw colored liquid with no visible cloudiness, impurities, or sediment.

Hypochlorite delivered under this contract shall have a minimum of 0.15 percent by weight sodium hydroxide and a maximum of 0.4 weight percent sodium hydroxide.

Hypochlorite delivered under this contract shall meet the following containment concentration limits:

Iron	< 0.3 mg/L
Copper	< 0.03 mg/L
Nickel	< 0.03 mg/L
Chlorate	< 2,000 mg/L
Bromate	< 20 mg/L
Filter Test Time	<3 minutes
Perchlorate	<20 mg/L

The delivery time of the shipment shall not exceed 72 hours from the time of manufacture of the product.

The Contractor shall be responsible for any spills resulting from the failure of its or its subcontractor's delivery equipment or from failure of attendant delivery personnel in the proper performance of their duties. Proper performance shall require attendant delivery personnel's constant inspection and observation of unloading operations and knowledgeable response to problems or emergencies, which would most commonly be expected to occur.

The tanks or trailers shall be clean and free of residue that may contaminate the Contractor's product or impede the unloading process. It is the Contractor's responsibility to verify the cleanliness of the transporting equipment before loading. All appurtenant valves, pumps and discharge hoses used for the delivery of sodium hypochlorite shall be supplied by the Contractor and shall be clean and free from contaminating material.

The County may reject a load if the equipment is not properly cleaned. The Contractor shall furnish a County approved, leak-free connection device between the trailer and the County's intake receptacle. The Contractor shall observe the entire filling operation at each delivery site and shall immediately report any spills caused during the filling operations. The Contractor shall take immediate and appropriate actions to clean up any spilled liquid sodium hypochlorite. If the spill is not cleaned up, the County will hire a certified hazardous material handling company to clean up the spill, and the cost of such service will be charged to the Contractor and deducted from the amount due to the Contractor. If the County's unloading equipment such as pipe, valves or level indication and alarms should fail and the spillage is not the fault of the Contractor or its subcontractor, the Contractor shall be relieved of cleanup of the spill. The suspended solids in the sodium hypochlorite delivered under this contract shall be minimized and the shipments delivered shall achieve a filtration time of less than three (3) minutes for 1000 ml when applying the "Suspended Solids Quality Test for Bleach Using the Vacuum Filtration" Method developed by Novatek.

Because of security and safety concerns, all delivery vehicle drivers shall be U.S. citizens and have a proper commercial driver's license with a Hazardous Material endorsement. Contractor's drivers shall display its driver's license and whenever challenged by Purchaser during the delivery. In addition, Contractor shall supply purchaser a "CD" with digital photographs of all of its delivery drivers with names imposed and shall send out an updated CD within 24 hours of any changes to its drivers. Purchaser shall use the CD to verify whether driver is actually an employee of the Contractor. Failure to show proper license or failure of driver to be listed on the CD provided to Purchaser shall result in rejection of delivery and could result in termination of the Contractor's supply agreement.

Delivery Reports: A certified report from the manufacturer shall be submitted for each sodium hypochlorite delivery to the County. The report shall contain the following data:

- date and time of manufacture
- percent by weight
- sodium hypochlorite
- excess sodium hydroxide
- specific gravity (referenced to a temperature)
- suspended solids test time

No deliveries will be accepted by the County unless accompanied by said certified laboratory report for the specific batch of sodium hypochlorite delivered showing the above data and that it conforms to the required specifications.

Quarterly Reports: At the start of the contract and every 90 days, the Contractor shall utilize an outside testing agency acceptable to both the County and the Contractor to analyze a sample of the sodium hypochlorite delivered to the County. The Contractor shall supply the sample container and the driver shall collect the sample from the tank truck. This sample will be given to the County at the time of the sampling and the County will forward the sample to the approved authorized testing agency. Any failure to comply with the specifications shall constitute grounds for cancellation of the contract between County and Contractor.

The County reserves the right to subject samples of the hypochlorite to quick analyses to ensure that it meets basic conditions of the specification with respect to specific gravity, weight percent of sodium hypochlorite, sodium hydroxide, and suspended solids. Any lot tested by the County that fails to comply with the specifications shall constitute grounds for rejection of that lot. No payment shall be made for hypochlorite that is rejected. The Contractor or its subcontractors shall allow 45 minutes for this testing to be completed. If testing cannot be completed within the 45-minute period, the County shall allow the Contractor to unload the shipment.

Charges for the manufacturers certified report and all quarterly reports by outside testing agencies should be included in the bid price.

Should samples be required for bid evaluation, Bidders will be required to deliver 100 gallons to the County at a predetermined site at no charge to the County.

TS-12 HYDROGEN PEROXIDE (Liquid H₂O₂): To be a stabilized 50% solution, complete miscible with water or sewage, with the following chemical and physical properties:

Active Oxygen	23.5%
Specific Gravity	1.196 A 20°C
Density	9.98 lbs./gal. @ 20°C
Freezing Point	-52°C
Solubility	∞

A. Deliveries shall be made by trucks equipped with state certified printing meters. Printed meter tickets reflecting the amount of chemical delivered shall be submitted to the County.

B. At each of the two (2) lift station sites, #26 Hopkins and #857 Tee View equipment is to be furnished as follows:
1. Liquid Feeder System (Contractor responsibility)

a. MS-2000 Series – NEMA 4 totally enclosed system, HOA, wired for 110-volt. System shall contain two (2) electronic diaphragm pumps (Pulsafeeder series E), a 24-hour timer, calibration cylinder exhaust fan and related 3/4" 316 stainless steel piping, valves and appurtenances. System shall also contain anti-siphon/back pressure regulator, and be designed with leak containment.

b. Pumps - Provide two (2) electronic diaphragm pumps with an output range of at least 0.2 to 2.5 gph and a discharge pressure of 100 psi. Pumps shall be skid-mounted, portable, and capable of easy removal and transport. Piping shall include antisiphon valve, backflow presenter, and pressure gauge. Each pump shall be wired for 110V AC/5 AMP and provided with a separate operational control system. All wiring and electrical work shall be performed in accordance with the National Electrical Code. All motors and controls shall be rated for outdoor use and enclosed in adequately rated NEMA enclosures. The pump operation shall be automatic, based on operation of the lift station pumps. One (1) of the two (2) chemical pumps shall also be wired for timer operation.

c. Storage Tanks - capacities required for each lift station site are: #26 Hopkins - 500 gallons; #302 Mauritania - 500 gallons; #322 Rio de Janeiro - 1,100 gallons; and #857 Tee View - 500 gallons. Tanks shall be double wall constructed of polyethylene with special UV light stabilizers and no titanium or carbon based pigments (Phillips resin or eg.). High purity aluminum (5254) may also be used. Tanks are to be equipped with two-inch stainless steel fill line, aluminum quick connects, and a 16-inch minimum combined man-way and vent. Tanks to be rated for minimum 10 lbs/gallon density.

d. Tank Level – Ultrasonic transducer with LED display.

e. Piping, Valves, and Fittings - All materials shall be stainless steel with Teflon or Viton seals and O-rings. Vented ball valves are required to prevent internal pressure buildup. Pressure relief valves shall be used in lines where H₂O₂ could be trapped.

2. Equipment Maintenance - The Contractor shall maintain all the H₂O₂ storage and dosing equipment. Major and preventative maintenance shall be carried out on an on-going basis.

3. Emergency Response - Should an emergency exist at the pump station where the Contractor's equipment is in operation, the Contractor shall be notified by the Utility. In such an instance, the Contractor shall immediately take all necessary actions to help resolve the situation.

4. Safety Training - After the feeding equipment is in place, the Contractor shall hold a safety training session for the personnel designated by the Utility. The Contractor shall also conduct additional safety training of new personnel introduced into the work area on an as-needed basis. Safety equipment and training services shall meet all State and Federal government requirements.

C. Miscellaneous services as follows:

1. General - The Contractor shall be responsible for providing initial sulfide monitoring at sites determined by the Utility. Based on the results of the monitoring program, the Contractor may be asked to install feeding equipment and begin chemical feeding. After the feeding begins, the Contractor shall provide miscellaneous services as listed under the above #2. Equipment Maintenance.

2. Initial Sulfide Monitoring - Upon authorization by the County, the Contractor shall conduct an initial sulfide survey in the wetwell of the pump station in question and its' associated tributary area and the discharge forcemain.

Wetwell monitoring shall consist of measurement of hydrogen sulfide (H₂S) gas in the air, and the total sulfide concentration in the wastewater. Wetwell monitoring shall be performed for a minimum five-day period with total sulfide measurements taken every three (3) hours between 8:00 a.m. and 5:00 p.m. Total sulfide measurement will be performed at a minimum of two (2) and a maximum of four (4) selected locations in the tributary area of the pump station. At each location, a minimum of four (4) total measurements will be made on a daily basis for a 5-day period.

Total sulfide measurements will also be performed at the discharge end of the pump station forcemain with a minimum 5-day monitoring and H₂S measurements every three (3) hours between 8:00 a.m. and 5:00 p.m. The results of the Initial Sulfide Monitoring Program will be submitted to the Utility. The report shall summarize the results of the monitoring program and discuss the significance of the monitored parameters. Should sulfide control be necessary, the report shall recommend the dosing level for H₂O₂ addition, predict the % reduction in the sulfide level, and make recommendation for dry or liquid chemical feed.

Automated sampling equipment may be utilized in place of grab sampling. All samples collected will be analysis for parameters listed below:

PARAMETER

Hydrogen sulfide, mg/l	Method 4500-S2-D as described in Standard Methods for the Analysis of Water and Wastewater, 21 st Edition
Residual H ₂ O ₂	H ₂ O ₂ Residual as mg/L, Merck Quantofix Strips
Hydrogen sulfide in air, ppm	MSA mini-responder, or equal
Wastewater Temperature	NBS calibrated thermometer
pH	HACH portable meter, or equal

3. Equipment Installation, Start-Up, and Optimization - Equipment installation and start-up are the responsibility of the Contractor. Dosing levels are to be established that will provide the required level of sulfide control as discussed in the Initial Sulfide Monitoring Report.

4. Monthly Monitoring, Optimization, and Data Analysis - The initial sulfide survey cannot represent the changing conditions due to the seasonal variations or process changes within the system. Monthly monitoring and sulfide profiling provide the data necessary to adjust dosing levels to assure optimum H₂S control at minimum chemical costs. The Contractor shall monitor the Utility's system weekly by collecting data to determine H₂S levels, wastewater temperature, flow, pH, and residual peroxide. This data shall be evaluated and monthly reports charting trends and showing control levels shall be prepared and submitted to the County. Recommended changes in peroxide dosing rates to control changing conditions shall also be provided to the County.

After jointly reviewing the monthly monitoring data with County staff, the Contractor shall make the required chemical feed dosing changes to insure that the system optimization is being achieved.

TS-13 ANTI-SCALANT: Anti-scalant is a food grade aqueous anionic polyelectrolyte solution for use in reverse osmosis (RO) applications, which inhibits the formation and growth of alkaline earth carbonate and sulfate scales. Anti-scalant also disperses suspended solids and colloids. The product meeting the minimum requirements of Charlotte County is the Noveon Aquafeed 1025 Anti-scalant. These specifications are the minimum that Charlotte County will accept. The County will be the sole judge of a products equivalency to the Aquafeed 1025 Anti-scalant. Bidders shall provide a specification sheet of the product in order to determine equivalency.

Compliance with Food Grade quality product for use in potable water Reverse Osmosis systems with the National Sanitation Foundation (NSF), United States Environmental Protection Agency (USEPA), Florida Department of Environmental Protection (FDEP), and American Water Works Association (AWWA) are required.

It shall be delivered in 55-gallon poly drums and palletized, four (4) drums per pallet. The pallets must be able to be off-loaded at the time of delivery by the supplier, using a fork-lift-type vehicle, a pallet jack, and/or lift-gate truck provided by the supplier.

TYPICAL PROPERTIES AND SPECIFICATIONS

Appearance	Water white to amber, slightly hazy liquid
Odor	Slightly acidic
Total solids (%)	36.5 ± 1
pH	3.5 ± 0.5
Brookfield viscosity (cP, 25°C)	157.5 ± 142.5
Contamination	None by visual observation
Freezing Point (° C)	-1
Boiling Point (° C)	101
Specific Gravity	1.15
Shelf-Life	One (1) year

Bidders shall provide a Certificate of Analysis, as well as a current MSDS as required by law, that includes the values for each parameter with their Bid Forms. The estimated quantities for this item are five (5) deliveries per year, totaling 20 drums per year of 55-gallons, palletized, four (4) per pallet each.

Should samples be required for bid evaluation, bidders will be required to deliver 15 gallons to the County at a pre-determined site at no charge to the County for testing of product prior to awarding the bid.

The Anti-scalant supplied under this specification shall contain no substances in quantities capable of producing deleterious or injurious effects on the health of those consuming the water that has been treated with it. Transport of the Anti-scalant shall conform to all applicable Federal, State, and local laws and regulations.

TS-14 CORROSION INHIBITOR: Corrosion Inhibitor is utilized at the Burnt Store RO Plant. This is a liquid zinc orthophosphates to minimize corrosion in the County's distribution system. Bids shall be accepted from those bidding this product or a product with equivalent typical values.

Liquid zinc orthophosphate must be certified as meeting or exceeding Standard No. 60 as issued by the National Sanitation Foundation (NSF). The agency providing this certification must be accredited to provide such certification and does not have to be affiliated with NSF. A letter stating that the product bid meets NSF Standard 60 must be included in this bid package. Furthermore, since certification is issued for a specific production site, the bidder must specify where the supply of liquid zinc orthophosphate will be produced so that it can be confirmed that the certification submitted is valid for the product to be supplied.

Liquid zinc orthophosphate must provide effective corrosion inhibition on ferrous and non-ferrous surfaces and have the capability to complex with lead to form a chemical film on the pipe interior over a broad temperature and pH range.

It is the intention of the County to accept only liquid zinc orthophosphate. Any product that contains a blend of polyphosphates and/or orthophosphates with silicates or other compounds will not be considered and the bid will be rejected.

This product must have the capability to minimize corrosion without causing any deleterious effects to the drinking water supply when used in accordance with the manufacturer's recommendations.

A. SPECIFICATIONS: Specifications are as follows:

1. Liquid zinc orthophosphate must be Nalco C-9, or approved equal. Equality will be based upon total available orthophosphate and zinc content, and is subject to independent laboratory evaluation prior to awarding of a contract. Fees associated with this testing must be borne by each individual bidder.

2. Zinc orthophosphate must be liquid in form and easily applied via metering pump.

3. Liquid zinc orthophosphate must be manufactured from raw materials bearing Food Grade quality assurances and be manufactured in the United States. The County from time to time will run a total metal scan of supplier's product to ensure compliance to this critical quality issue. Should it be determined that the product shipped was not manufactured from Food Grade raw materials, all liquid zinc orthophosphate on site must be removed by the Contractor within 48 hours of being notified and replaced with product produced from Food Grade raw materials. Supplier will be required to send Certificate of Analysis detailing levels of zinc, orthophosphate and trace metals in replacement material.

4. Liquid zinc orthophosphate must be manufactured in the United States by a producer certified for ISO 9002 quality standards and at the specific plant or site holding this certification. A copy of the valid certificate must be included with the bid. Certification for NSF Standard 60 assures the buyer against toxicological hazards only, while ISO 9002 Certification guarantees the buyer consistent conformance to stated product quality standards.

5. Liquid zinc orthophosphate must be available in bulk, returnable or disposable tote bins, and drums. All shipping containers other than returnable tote bins must be new and unused. Any reconditioned containers will be refused and the bidder will be declared in default of this bid.

6. All deliveries are to be made within five (5) working days after receipt of an order and during the normal business hours as established by the location.

7. Liquid zinc orthophosphate must be non-toxic to humans by meeting the RMCL'S (Recommended Maximum Contaminant Level) as listed in the Water Chemicals CODEX and a statement from the manufacturer stating such must be included with the bid package submitted.

8. Liquid zinc orthophosphate must be safe to handle by operating personnel and a Material Safety Data Sheet (MSDS) must accompany the bid.

9. Liquid zinc orthophosphate must conform to these additional specifications:

Product Name (NSF Std. 60 registration)	Nalco C-9
Maximum Dosage as per registration	15.6 mg/L
NSF Std. 60 Certified Manufacturing Site	Ellwood City, PA
Specific Gravity:	1.55 - 1.61
Weight: (lbs/gal)	12.9 - 13.4
Odor:	None
Appearance:	Water White To Yellow
pH (neat) @ 25° C:	<1.0
Solubility:	100%
Boiling Point:	>212° F
Freeze Point:	-40° F
Volatile: (% by weight)	37%
*Total PO ₄ : (c)	35.9 - 36.2%
*Total P: (c)	11.6 - 11.8%
*Polyphosphate expressed as PO ₄ : (c)	0.0%
*Zinc as Zn	13%

*Methods by which these values are obtained must be stated herein on a separate sheet and submitted with the bid. Should verification become necessary, samples will be sent to an independent laboratory and all costs incurred will be borne by the bidder. Analytical procedures for determining these values must be methods as approved by the U.S. E.P.A. and are found in **Standard Methods for the Examination of Water and Wastewater**. Any other test procedures are not acceptable and submittal of such will be cause for rejection of bid.

10. A critical issue regarding purity will also be a basis for an award. A certification guaranteeing that the level of lead (Pb) in the product will be less than 1.0 ppm must accompany the bid package. Failure to provide such a guarantee may be cause to consider the bidder as non-responsive. Should the product on site be tested at any time during the contract period and the amount of lead in the product is found to exceed 1.0 ppm, the bidder will be notified and be given 48 hours to remove all material from the site and replace it with product that meets all specifications.

11. A producer Certificate of Analysis showing the product name, manufacturing lot number, and product quality criteria must be provided with each and every delivery. Failure to provide a corresponding C of A with each delivery will be just cause to refuse delivery of product.

B. SERVICE: The following service will be required:

1. Successful bidder must provide a listing of customers presently or recently using the product bid herein for the purposes of verifying product performance, technical support, and overall supplier performance.

2. Successful bidder must perform periodic water quality analyses providing the following information as a minimum at the bidder's expense:

pH	Potassium, ppm Total & ppm Dissolved
Polyphosphate, ppm PO ₄	Iron, ppm Total & ppm Dissolved
Orthophosphate, ppm PO ₄	Copper, ppm Total & ppm Dissolved
Alkalinity, as CaCO ₃	Manganese, ppm Total & ppm Dissolved
Conductivity, UMHOS/CM	Aluminum, ppm Total & ppm Dissolved
Suspended Solids, ppm	Zinc, ppm Total & ppm Dissolved
Total Organic Carbon, ppm	Nickel, ppm Total & ppm Dissolved
Calcium, ppm Total & ppm Dissolved	Chrome, ppm Total & ppm Dissolved
Magnesium, ppm Total & ppm Dissolved	
Sodium, ppm Total & ppm Dissolved	

These analyses should be provided by an independent laboratory and must be submitted to the County for review with any treatment recommendations. The samples should be taken from several points in the distribution system to ensure uniform and proper treatment. Each bidder must submit an example of a typical water analysis for review. In awarding the contract for liquid zinc orthophosphate the County will consider the extent and quality of the water analysis that will be provided with this contract when selecting the lowest qualified bidder.

3. Successful bidder must supply and analyze steel and copper corrosion coupons as requested by the County. It is anticipated that these coupons will be installed at selected sites throughout the distribution system for 30 and 90 day time periods. Each bidder must submit an example of a typical corrosion coupon analysis for review. The County will consider the

extent and quality of the corrosion coupon analysis that will be provided with this contract when selecting the lowest qualified bidder.

4. The successful bidder must have their own technical support representatives familiar with the treatment objectives stated in this bid specification. These representatives must be available for assistance within twenty-four (24) hours of a call.

5. Each bidder must submit the names, office address and telephone number, home address and telephone number, and the resume for each of its technical representatives that meet this requirement with the bid package submitted.

6. Product shall be delivered in 55-gallon poly drums and palletized, four (4) drums per pallet. The pallets must be able to be off-loaded at the time of delivery by the supplier, using a fork-lift-type vehicle, a pallet jack, and/or lift-gate truck provided by the supplier.

TS-15 POLYMER: Polymer is utilized at the East Port WRF. Bids shall be accepted from those bidding this product or a product with equivalent typical values as listed below. The recommended product is Clarifloc SE-905 Polymer.

Appearance	Opaque Liquid
Ionic Character	Cationic
Charge Density	Medium
Molecular weight	Low
Approx. bulk density	8.57
Specific gravity	1.03
Active content (%)	42
Bulk viscosity (cps)	1200
Maximum concentration (g/l)	5
Stability of D.I. solution (days)	1
Dilution to obtain 5 g/l active content	85
Approx. viscosity @ 5 g/l active content (cps)	5000
Storage temperature (°C)	0-35
Shelf life (months)	six (6)

TS-16 CITRIC ACID (50% CITRIC ACID and 50% WATER): This chemical is intended specifically for use to lower the pH of the MBR PLANT. The product shall be delivered in quantities of 55-gallon drums, approximately eight (8) per year to the Rotonda Water Reclamation Facility. The recommended product is from ARCHER DANIELS MIDLAND CO.

DOT proper shipping Corrosive Liquid NOS (Citric Acid) 8, UN1760

Boiling Point 212F

Specific Gravity (H₂O = 1) 1.24-1.26

Appearance and Order: Clear, Colorless to Pale Yellow to Brown Liquid with characteristic odor.

TS-17 CRITERIA FOR AWARD: The award of this bid shall be to the lowest responsive, responsible bidder(s) meeting or exceeding all of the specifications. Award of this bid may be made in total or in part, whichever the County determines is in its best interest. Identical low bids in total or per item will be awarded to the bidder with the greatest number of line items. Another consideration in the award of this bid will be the number of days required to deliver after receipt of purchase order.

In addition, the bid evaluation shall consider previous performance, safety, reliability and reference checks. Because of the hazardous nature of some products and the relatively short shelf-life of others, consideration shall be given to the bidder's safety record, reliability and previous performance.

For TS-14, Corrosion Inhibitor, the example typical water analysis and typical corrosion coupon analysis submitted by the bidders will also be considered for evaluation of award.

In the interest of a successful bid evaluation, Charlotte County may require bidders to submit samples, free of charge, for the purpose of inspection and testing by County forces.

County reserves the right to reject the bid proposal of any bidder who has previously failed to perform properly, or on time, contracts of similar nature; or who is not in a position to satisfactorily perform the contract. If, after bid opening, the lowest bidder is deemed non-responsible by the County, such bidder shall receive written notice from the County of this

determination. The bidder shall have five (5) business days from the date of this notice to dispute the determination and to provide to the County any additional information it deems relevant regarding the bidder's responsibility. The County shall make a final determination regarding the bidder's responsibility at the time of award of the contract.

INSURANCE REQUIREMENTS WATER AND WASTEWATER CHEMICALS - ANNUAL BID NO. 2019000582
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Contractor and subcontractors shall procure and maintain until all of their obligations have been discharged, including any warranty periods under this Contract are satisfied, insurance against claims for injury to persons or damage to property which may arise from or in connection with the performance of the work hereunder by the Contractor, his agents, representatives, employees or subcontractors.

The insurance requirements herein are minimum requirements for this Contract and in no way limit the indemnity covenants contained in this Contract. The County in no way warrants that the minimum limits contained herein are sufficient to protect the Contractor from liabilities that might arise out of the performance of the work under this Contract by the Contractor, his agents, representatives, employees, or subcontractors. Contractor is free to purchase such additional insurance as may be determined necessary.

A. MINIMUM SCOPE AND LIMITS OF INSURANCE - Contractor shall provide coverage with limits of liability not less than those stated below. An excess liability policy or umbrella liability policy may be used to meet the minimum liability requirements provided that the coverage is written on a "following form" basis.

- 1. **Commercial General Liability – Occurrence Form (CG 00 01)**
 Policy shall include bodily injury, personal injury, property damage and broad form contractual liability.

Minimum Requirements:

- General Aggregate \$2,000,000
- Each Occurrence \$1,000,000

- a. The policy shall be endorsed to include the following additional insured language: "Charlotte County a political subdivision of the state of Florida and it officers, employees, agents and volunteers" shall be named as an additional insured with respect to liability arising out of the activities performed by, or on behalf of the Contractor.
- b. Contractor's subcontractors shall be subject to the same minimum requirements identified above.
- c. Policy shall be endorsed for a waiver of subrogation against the Charlotte County.

- 2. **Automobile Liability**

Bodily injury and property damage for any owned, hired, and non-owned vehicles used in the performance of this Contract. Automobile liability must be written on a standard ISO form (CA 00 01) covering any auto (Code 1), or if Contractor has no owned autos, hired (Code 8) and non-owned (Code 9) autos.

Combined Single Limit (CSL) \$1,000,000

- a. The policy shall be endorsed to include the following additional insured language: "Charlotte County a political subdivision of the state of Florida and it officers, employees, agents and volunteers" shall be named as an additional insured with respect to liability arising out of the activities performed by, or on behalf of the Contractor, including automobiles owned, leased, hired or borrowed by the Contractor".
- b. Contractor's sub-contractors shall be subject to the same minimum requirements identified in this section.
- c. Policy shall contain a waiver of subrogation against the Charlotte County.

- 3. **Worker's Compensation and Employers' Liability**

Workers' Compensation
 Employers' Liability

Each Accident, bodily injury or disease \$1,000,000

- a. Policy shall contain a waiver of subrogation against the Charlotte County.
- b. Projects on or along navigable waters an endorsement for US Longshoremen and Harbor Workers and Jones Act is required.
- c. Contractor's sub-contractors shall be subject to the same minimum requirements identified in this section.

- d. If the contractor has no employees the contractor must submit to the County the Workers Compensation Exemption from the State of Florida.

Additional Insured – All policies, **except** for the Workers Compensation shall contain endorsements naming the County its officers, employees, agents and volunteers as additional insured with respect to liabilities arising out of the performance of services contained herein. The additional insured endorsements' shall not limit the scope of coverage for the County to vicarious liability but shall allow coverage for the County to full extent provided by the policy, even if those limits exceed those required by this contract. Such additional insured coverage shall be at least as broad as Additional Insured(Form B) endorsement form ISO, CG 20 10 11 85 or both CG 20 10 and CG 20 37 if later revisions used.

Waiver of Subrogation Rights – The Contractor shall require the carriers of required coverage's to waive all rights of subrogation against the County, its officers, employees, agents and volunteers. Contractor agrees to obtain any endorsement that may be necessary to affect this waiver of subrogation. All general or auto liability insurance coverage provided shall not prohibit the Contractor and Contractor's employees or agents from waiving the right of subrogation prior to a loss or claim. The Contractor hereby waives all rights of subrogation against the County.

Policies Primary and Non-Contributory – For any claims related to this contract, the Contractor's insurance coverage shall be primary insurance as respects the County, its officers, employees, agents and volunteers. Any insurance or self-insurance maintained by the County, its officers, employees, agents or volunteers shall be excess of the Contractor's insurance and shall not contribute with it.

Severability of Interests – The Contractor agrees to ensure that coverage provided to meet these requirements is applicable separately to each insured and there will be no cross liability exclusions that preclude coverage for suits between the Contractor and the County or between the County and any other insured or additional insured under the policy.

Proof of Coverage - Prior to the commencement of performance of services the Contractor shall furnish to the County Purchasing Division Certificates of Insurance and amendatory endorsements or copies of the applicable policies. These certificates shall provide that such insurance shall not be terminated or expire without notice thereof in accordance with the policy provisions and Contractor shall maintain such insurance from the time the Contractor commences performance of services until completion of such services.

Acceptability of insurance carrier – Unless otherwise approved by Risk Management, Insurance shall be written by insurers authorized to do business in the State of Florida and with a minimum Best Insurance Guide rating of "A:VII".

Deductibles and Self-Insured Retention – Any and all deductibles or self-insured retentions in excess of \$10,000 shall be declared to and approved by Risk Management. The County may require the Contractor to purchase coverage with a lower deductible or retention or provide proof of ability to pay losses and related investigations, claim administration and defense expenses within the deductible or retention.

Failure to Procure Coverage – In the event that any policy of insurance required under this contract does not comply with the requirements, is not procured or is cancelled and not replaced, the County has the right but not the obligation or duty to terminate the contract or obtain insurance if it deems necessary and any premiums paid by the County will be promptly reimbursed by the Contractor or County payments to the Contractor will be reduced to pay for County purchased insurance.

Insurance Review – Insurance requirements are subject to periodic review by the County. The Risk Manager or designee is authorized, but not required, to reduce, waive, or suspend any insurance requirements whenever Risk Management determines that any of the required insurance is not available, is unreasonably priced or is not needed to protect the interests of the County. In addition, if Risk Management determines that heretofore, unreasonably or unavailable types of insurance coverage or coverage limits become reasonably priced or available, the Risk Manager or designee is authorized, but not required, to change the above insurance requirements to require additional types of insurance coverage or higher coverage limits, provided that any such change is reasonable in light of past claims against the County, inflation, or any other item reasonably related to the County's risk. Any change requiring additional types of insurance coverage or higher coverage limits must be made by amendment to this contract. Contractor agrees to execute any such amendment within thirty (30) days of receipt.

Any failure, actual, or alleged, on part of the County to monitor or enforce compliance with any of the insurance and indemnification requirements will not be deemed as a waiver of any rights on the par to the County.

**SAFETY AND HEALTH REQUIREMENTS
WATER AND WASTEWATER CHEMICALS - ANNUAL
BID NO. 2019000582**

SH-01 HEALTH AND SAFETY PLAN: It shall be the responsibility of the Contractor to comply with OSHA, EPA, DOT and other applicable Federal and State of Florida laws, rules, regulations or other requirements. This includes, but is not limited to, 29 CFR 1926 (Safety and Health Regulations for Construction) and 1910 (Safety and Health Regulations for General Industry). Contractors are required to have a written Health and Safety Program that is jobsite specific. The elements of this written program shall be in accordance with OSHA 1926 and 1910. A list of program elements can be obtained from Charlotte County Risk Management.

The Contractor will designate a responsible member of his organization whose duty shall be the prevention of accidents at the site. This person shall be the Contractor's superintendent unless otherwise designated in writing by the Contractor to the Project Manager.

A copy of the Contractor's Health and Safety Plan will be submitted to Charlotte County at least 10 days prior to commencement of work. Contractor shall provide documentation that his employees and subcontractors received training (been informed of) on the Contractor's Health and Safety Plan. The Contractor will be responsible for conducting a site safety briefing for all visitors to the site. Documentation of these site safety briefings are to be maintained by the Contractor and made available to Charlotte County upon request.

Contractor will post, where appropriate, all necessary job-site Health and Safety notices. The Loss Control Coordinator will conduct unannounced job-site inspections during the course of the project. Minor safety violations may be addressed immediately with the onsite supervisor and Project Manager. Major safety violations will result in written notification to the Contractor and Charlotte County Department Director under which the project is being performed. Hazardous conditions that are considered by the Loss Control Coordinator to be immediately dangerous to life or limb will result in immediate stoppage of work until the hazardous conditions are corrected.

SH-02 ACCIDENTAL SPILLS: In the event of an accidental release or spill of chemicals or other hazardous materials the Contractor shall:

- Immediately take action as appropriate to contain the spill if this action can be taken without jeopardizing the health or safety of employees,
- Notify the Fire/EMS, or other entities as needed or required,
- Contact the Project Manager/Coordinator, and
- Contact Charlotte County Risk Management and Loss Control Coordinator.

The following phone numbers may be used in the event of an emergency:

Risk Management	941.764.4191
Loss Control Coordinator	941.743.1381 (or Cell 941.223.5535)

SH-03 CONTROL OF FUGITIVE EMISSIONS: The Contractor shall take all reasonable precautions necessary to control fugitive emissions from the job site. Fugitive emissions include, but are not limited to: nuisance dust, chemical odors/vapors/gases, hazardous materials such as lead or asbestos, and noise. Where the product(s) or material(s) to be used by the Contractor has a permissible exposure limit (PEL) established by OSHA the Contractor shall take all reasonable steps to maintain emissions of the product(s) or materials below the OSHA PEL. To verify that emissions are maintained below the OSHA PEL, the Contractor shall monitor, or shall contract to have monitored, work area exposure conditions. Monitoring shall occur, at a minimum, during the start of work and whenever there is a change in procedure, process, or chemical or material used. If it is deemed not practical to maintain exposures below the PEL, the Contractor shall restrict access to all areas where exposures exceed the PEL to authorized personnel only.

A. ASBESTOS AND SUSPECT ASBESTOS CONTAINING BUILDING MATERIALS: Contractors shall, under no circumstances, damage or disturb suspect or known asbestos containing material (ACM) unless they are a licensed Florida Asbestos Abatement Contractor and have been specifically employed to perform asbestos repair or removal. It is the responsibility of the Contractor to provide his or her own asbestos awareness program in accordance with 29 CFR 1926.1101. Where required by Federal and State regulations, the Contractor is required to have asbestos surveys performed

prior to any work that includes, but is not limited to, renovation, and demolition. The asbestos survey must be performed by a firm that is licensed in the State of Florida to perform such surveys. A copy of the asbestos survey shall be submitted to the County's project manager. Asbestos materials may not be used or installed in any Charlotte County facilities.

B. LEAD-CONTAINING BUILDING MATERIALS: Contractors that will disturb lead-containing building materials during the course of work shall take all necessary precautions to protect Charlotte County employees and the public from exposure to lead dust or contamination. These measures shall conform, at a minimum, to the OSHA requirements detailed in 29 CFR 1926.62 and applicable local, state and federal regulations. Where the Contractor is engaged in work in child-occupied facilities, such work shall be performed in accordance with 40 CFR 745, and clearance testing shall be performed by the Loss Control Coordinator or a licensed consultant at the conclusion of the project in accordance with the requirements of this regulation.

C. SAMPLING AND MONITORING RESULTS: The results of all personal and area monitoring and or other samples collected for health and safety compliance required by OSHA or any other state or federal regulatory agency shall be provided to Charlotte County.

**BID FORM
WATER AND WASTEWATER CHEMICALS - ANNUAL
BID NO. 2019000582**

TO: Senior Division Manager - Purchasing
Board of County Commissioners
Charlotte County Administration Center
18500 Murdock Circle
Port Charlotte, FL 33948-1094

The undersigned, as bidder, does hereby declare that he has read the Request for Bids, Instructions to Bidders, Technical Specifications & Conditions, Safety & Health Requirements, Bid Form, Drawings, and any other documentation for

WATER AND WASTEWATER CHEMICALS - ANNUAL

and further agrees to furnish all items listed on the attached Bid Form in accordance with the unit price(s) submitted. The above specified documents are herein incorporated into the Bid Form and shall be defined as the contract documents.

Please indicate by (✓) that you have included the following documentation with your bid:

- (✓) **MSDS Forms (where required)**
- (✓) **TS-11-Sample Test Results, References, & NELAC Certification**
- (N/A) **TS-14, Methods of Values & Level of Lead Certification**
- (N/A) **TS-14, Corrosion Coupon Analysis & Typical Water Analysis**

NOTE: In accordance with Florida Statutes, Section 119.071(1)(b)2: Sealed bids, proposals, or replies received by an agency pursuant to a competitive solicitation are exempt from s. 119.071(1)(b)2 and s. 24(a), Art. I of the State Constitution, except as provided by Florida Statutes 255.0518, until such time as the agency provides notice of an intended decision or until 30 days after opening the bids, proposals, or final replies, whichever is earlier. Upon release of the intended decision, if you wish to obtain the quote results, you may do so by visiting our Website at <http://purchasingbids.charlottecountyfl.gov/> under "Purchasing Bids Online", document number 195824. No information regarding the submittal will be divulged over the telephone.

Name of Bidder: Allied Universal Corporation

(This form to be returned)

ITEM	BID DESCRIPTION	UNIT	EST. QTY	UNIT PRICE	EXT. PRICE
TS-07	Calcium Hypochlorite 65%				
	Eastport WRF	100# drum	300		
	West Port WRF	100# drum	200		
	Rotonda WRF	100# drum	200		
	Burnt Store WRF	100# drum	<u>100</u>		
	Total Drums	-	800	\$ <u>114.00/drum</u>	\$ <u>91,200.00</u>

Method of off-loading – Power Tailgate Vehicle w/Pallet Jack Delivery 3 calendar days

NOTE: Furnish a “per pallet” price and indicate the number of 100# drums within the pallet.
Drums per pallet 6 Per Pallet price \$684.00

TS-08	Sulfuric Acid 93%				
	Burnt Store RO	gal	4,500	\$ <u>NO BID</u>	\$ _____

Method of off-loading - Tank Truck w/Pumping Capabilities Delivery _____ calendar days

TS-09	Phosphoric Acid 75%				
	Leachate	55 gal. drum	18	\$ <u>NO BID</u>	\$ _____

Method of off-loading – Power Tailgate Vehicle w/Pallet Jack Delivery _____ calendar days

TS-10	Sodium Hydroxide Solution (Caustic Soda 50%)				
	Burnt Store RO Plant	55 gal. drum	6	\$ <u>NO BID</u>	\$ _____

Method of off-loading - Tank Truck w/Pumping Capabilities Delivery _____ calendar days

TS-11	Sodium Hypochlorite Solution (Chlorine Bleach)				
	East Port WRF	gal	185,000		
	West Port WRF	gal	50,000		
	Rotonda WRF	gal	80,000		
	Burnt Store WRF	gal	35,000		
	Myakka Booster Station (1) 500 gal tank	gal	20,000		
	Golf Course WBS #2- (2) 800 gal tanks	gal	30,000		
	Gulf Cove WBS #3 - (2) 550-gal tanks	gal	15,000		
	Walenda WBS #4 - (2) 1,000-gal tanks	gal	40,000		
	Rotonda WBS #6 – (2) 900-gal tanks	gal	65,000		
	Ingraham Inj. Sta. #7 – 350-gal tank	gal	5,000		
	Burnt Store RO Plant	gal	<u>8,000</u>		
	Total Gallons		533,000	\$ <u>0.554/gl</u>	\$ <u>295,282.00</u>

Method of off-loading – Tank Truck w/Pumping Capability & 50-60 foot hose
Delivery 1-2 calendar days

TS-12	Hydrogen Peroxide				
	Lift Station #321Angol – 1,550-gal tank	gal	10,000		
	Lift Station #857Tee View– 550-gal tank	gal	<u>4,000</u>		
	Total Gallons		14,000	\$ <u>NO BID</u>	\$ _____

Method of off-loading _____ Delivery _____ calendar days

TS-13	Anti-scalant	55-gal drum	20	\$ <u>NO BID</u>	\$ _____
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Method of off-loading – Vehicle w/Power Tailgate & Power Jack Delivery _____ calendar days

NAME OF BIDDER: Allied Universal Corporation
(This form to be returned)

ITEM	BID DESCRIPTION	UNIT	EST. QTY	UNIT PRICE	EXT. PRICE
TS-14	Corrosion Inhibitor	55-gal drum	10	\$ <u>NO BID</u>	\$ _____
	Method of off-loading – Vehicle w/Power Tailgate w/Power Jack			Delivery _____	calendar days
	*Corrosion Inhibitor	_____	8	\$ _____	\$ _____
	*Alternate containers			Delivery _____	calendar days
	Method of off-loading – _____				
TS-15	Polymer	250-gal totes	24	\$ <u>NO BID</u>	\$ _____
	Method of off-loading - _____			Delivery _____	calendar days
TS-16	Citric Acid Rotonda WRF	55-gal drum	8	\$ <u>NO BID</u>	\$ _____
	Method of off-loading – Vehicle w/Power Tailgate w/Power Jack			Delivery _____	calendar days
TS-17	Powdered Activated Carbon				
	Leachate Plant	per/lb.	40,000 lb.	\$ <u>NO BID</u>	\$ _____
	40 or 50 lb. bags				
	Method of off-loading - _____			Delivery _____	calendar days

NAME OF BIDDER: Allied Universal Corporation
 (This form to be returned)

If notified of the acceptance of this bid form, the undersigned agrees to execute a Contract for the stated compensation in the form as prescribed by the County, within the time constraints outlined in Instructions to Bidders.

The signature below is a guarantee that the Bidder will not withdraw his/her bid for a period of sixty (60) days after the scheduled time for opening the bids.

In accordance with section 287.135, Florida Statutes, the undersigned certifies that the company is not on the Scrutinized Companies with Activities in Sudan List, the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, and does not have business operations in Cuba or Syria (if applicable) or the Scrutinized Companies that Boycott Israel List, or is not participating in a boycott of Israel.

The undersigned acknowledges receipt of the following addenda, and the cost, if any, of such revisions has been included in the price bid.

Addendum No. _____, Dated _____; Addendum No. _____, Dated _____; Addendum No. _____, Dated _____
Addendum No. _____, Dated _____; Addendum No. _____, Dated _____; Addendum No. _____, Dated _____

HOLD HARMLESS AGREEMENT: The bidding firm as indicated below, through the signing of this document by any authorized party or agent, indemnify, hold harmless and defend Charlotte County, a political subdivision of the State of Florida, its officers, agents, employees, and volunteers from all suits and actions, including attorney's fees and all costs of litigation and judgment of every name and description brought against the County as a result of loss, damage or injury to person or property by reason of any act or failure to act by the bidding firm, its agents, servants or employees.

Type of Organization (Please Check One): Individual Ownership Partnership Joint Venture Corporation

Name of Bidding Firm Allied Universal Corporation

Mailing Address 3901 NW 115 Avenue., Miami, FL 33178

Location Address 3901 NW 115 Avenue

City & State Miami, FL ZIP 33178

Telephone 305-888-2623 Fax Number 786-522-0215

E-mail Bids@Allieduniversal.com

Signature of person authorized to bind the Company: 

Print Name/Title of person authorized to bind the Company: Cristhianne Munguia, Bid Coordinator

Date: August 22, 2019

(This form to be returned)

SOURCE OF SUPPLY AND SUBCONTRACTORS

The following sources of supply and subcontractors shall be used for the **WATER AND WASTEWATER CHEMICALS – ANNUAL** project. If bidder does not have a source of supply or subcontractor, insert “to be determined”. When a source or subcontractor is determined, selection will be subject to County approval. (If not applicable, state N/A).

WE DO NOT USE SUBCONTRACTORS

Source of Supply	Subcontractor(s)
1. _____	1. _____
2. _____	2. _____
3. _____	3. _____
4. _____	4. _____
5. _____	5. _____

DRUG FREE WORKPLACE FORM

The undersigned vendor in accordance with Florida Statute 287.087 hereby certifies that Allied Universal Corporation (name of business) does:

1. Publish a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the workplace and specifying the actions that will be taken against employees for violations of such prohibition.
2. Inform employees about the dangers of drug abuse in the workplace, the business's policy of maintaining a drug-free workplace, any available drug counseling, rehabilitation, and employee assistance programs, and the penalties that may be imposed upon employees for drug abuse violations.
3. Give each employee engaged in providing the commodities or contractual services that are under bid a copy of the statement specified in subsection (1).
4. In the statement specified in subsection (1), notify the employees that, as a condition of working on the commodities or contractual services that are under bid, the employee will abide by the terms of the statement and will notify the employer of any conviction of, or plea of guilty or nolo contendere to, any violation of Chapter 893 or of any controlled substance law of the United States or any state, for a violation occurring in the workplace no later than five (5) days after such conviction.
5. Impose a sanction on, or require the satisfactory participation in a drug abuse assistance or rehabilitation program if such is available in the employee's community, by any employee who is so convicted.
6. Make a good faith effort to continue to maintain a drug-free workplace through implementation of this section.

As the person authorized to sign the statement, I certify that this firm complies fully with the above requirements.

Signature



Dated

August 22, 2019

Name of Bidder: Allied Universal Corporation

(This form to be returned)



3901 NW 115 Avenue
Miami, Florida 33178
305-888-2623 office
305-463-8369 fax

RESOLVED that Cristhianne Munguia, Bid Coordinator for Allied Universal Corporation, be authorized to sign and submit the Contract of this corporation for the following project:

Supply and Delivery of Sodium Hypochlorite & Calcium Hypochlorite to Charlotte Cuntly.

This bid or proposal shall include any other certificate of certification, which may be required by general municipal, state, or federal law(s). Such inclusion shall be the act and deed of this corporation, and for any inaccuracies or misstatements in such certificates or certifications this corporate bidder shall be liable under the penalties of perjury.

The foregoing is a true and correct copy of the resolution adopted by Allied Universal Corporation at the meeting of its Board of Directors held on the 25th day of June 2019.

(Seal of Corporation)



Jim Palmer, President - CEO

3901 NW 115 Avenue
Miami, Florida 33178
305-888-2623

9501 Rangeline Road
Ft. Pierce, Florida 34987
772-464-6195

30 Neil Gunn Drive
Ellisville, MS 39437
601-477-2550

5215 W. Tyson Avenue
Tampa, Florida 33611
813-832-4868

8350 NW 93rd Street
Miami, Florida 33166
305-888-2623

204 SCM Road
Brunswick, GA 31525
912-267-9470

7160 Philips Highway
Jacksonville, FL 32256
904-619-6180



3901 NW 115 Avenue
Miami, Florida 33178
305-888-2623 office
305-463-8369 fax

August 22, 2019

Allied Universal Corporation is a privately owned company, which has been in business since 1954. Our Corporate Headquarters is located at 3901 N.W. 115 Avenue, Miami, FL 33178.

There are presently 6 delivery locations; Miami, FL; Ft. Pierce, FL; CFI-Tampa, FL; Jacksonville, FL Terminal, Brunswick, GA and Ellisville, MS. We package Gas Chlorine in all locations, except Ft. Pierce and Jacksonville and manufacture Sodium Hypochlorite, in all of our locations, except our Jacksonville Terminal and have serviced Utilities and Municipalities, in 22 states, for over 60 years. We also distribute other water treatment chemicals, swimming pool chemicals, and some chemicals for industrial use.

The delivering facility which will supply Charlotte County is our Ft. Pierce, FL facility by our affiliate company, Transportation Services Unlimited, with a dedicated fleet of over 100 tractors and tankers, with an employee complement of approximately 275 people.

The Ft. Pierce, FL facility is located at 9501 Rangeline Road, FL 34987. With normal delivery lead time of 3 work days. Contact name for all deliveries is Bill Esterline phone number 772-464-6195 Ext. 0603, e-mail ftpiercedispatch@Allieduniversal.com. He is available from 6:30 a.m. until 3:30 p.m.

Other key personnel is: Dan DeBeau Branch Manager 309-213-4936 and Jim LaFremiere Region #1 Operations Manager 305-491-3430.

If you have any questions or concerns on any of this information, please contact Cristhianne Munguia, Bid Coordinator, Allied Universal Corporation, 3901 N.W. 115 Avenue, Miami, FL 33178, phone number (305) 888-2623/Ext. 0125; Fax, (786) 522-0215; E-Mail, Bids@Allieuniversal.com

/cm

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904-619-6180



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Miami, Florida 33178
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AFFIDAVIT

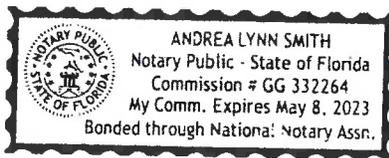
This is to certify that as required, all Calcium Hypochlorite to be furnished to Charlotte County will comply with ANSI/WWA Standards B300-92 or as may be amended.

Cristhianne Munguia
Bid Coordinator

Subscribed and sworn to before me
This 22nd day of August, 2019

Notary Public of the State of Florida.

Notary Public



3901 NW 115 Avenue
Miami, Florida 33178
305-888-2623

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Ft. Pierce, Florida 34987
772-464-6195

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Miami, Florida 33166
305-888-2623

204 SCM Road
Brunswick, GA 31525
912-267-9470

14770 Old Saint Augustine Road
Jacksonville, FL 32207
904-619-6180

SAFETY DATA SHEET

1. Identification

Product identifier	Calcium Hypochlorite	
Other means of identification		
SDS number	AUC-008	
Synonyms	Aqua Guard Cal Hypo	
Recommended use	Swimming pool sanitation; disinfection of drinking water	
Recommended restrictions	None known.	
Manufacturer/Importer/Supplier/Distributor information		
Manufacturer		
Company name	Allied Universal Corporation	
Address	3901 N.W. 115th Avenue Miami, FL 33178 United States	
Telephone	General:	1-305-888-2623
	24-Hour alert:	1-786-522-0207
Website	www.allieduniversal.com	
E-mail	Not available.	
Contact person	Operations Department	
Emergency phone number	CHEMTREC	1-800-424-9300 (US/Canada) +01 703-527-3887 (International)
Supplier	Refer to Manufacturer	

2. Hazard(s) identification

Physical hazards	Oxidizing solids	Category 2
Health hazards	Acute toxicity, oral	Category 4
	Skin corrosion/irritation	Category 1
	Serious eye damage/eye irritation	Category 1
	Specific target organ toxicity, single exposure	Category 3 respiratory tract irritation
Environmental hazards	Hazardous to the aquatic environment, acute hazard	Category 1
	Hazardous to the aquatic environment, long-term hazard	Category 1
OSHA defined hazards	This mixture does not meet the classification criteria according to OSHA HazCom 2012.	
Label elements		



Signal word	Danger
Hazard statement	May intensify fire; oxidizer. Harmful if swallowed. Causes severe skin burns and eye damage. May cause respiratory irritation. Very toxic to aquatic life.
Precautionary statement	
Prevention	Keep away from heat. Keep/Store away from clothing/combustible materials. Take any precaution to avoid mixing with combustibles. Wash thoroughly after handling. Do not breathe dust/fume. Use only outdoors or in a well-ventilated area. Wear protective gloves/clothing and eye/face protection. Avoid release to the environment.

Response Specific treatment (see this label). 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. 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 or doctor/physician.

In case of fire: Use appropriate media for extinction. Collect spillage.

Storage Store locked up. Store in a well-ventilated place. Keep container tightly closed.

Disposal Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazard(s) not otherwise classified (HNOC) No OSHA defined hazard classes.
Other hazards which do not result in classification: May be corrosive to metals. Reacts violently with water with evolution of heat. Reacts vigorously, violently or explosively with many organic and inorganic chemicals, such as strong acids, acid chlorides, acid anhydrides, ketones, glycols and organic peroxides. Chronic skin contact with low concentrations may cause dermatitis. Prolonged or repeated inhalation of dusts could cause lung disease (pneumoconiosis).

Supplemental information None.

3. Composition/information on ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	%
Calcium hypochlorite	Chlorine of lime	7778-54-3	60 - 80
Sodium Chloride	Salt	7647-14-5	10 - 20
Water	Dihydrogen oxide	7732-18-5	5.5 - 10
Calcium Carbonate	Limestone Calcite	471-34-1	<5
Calcium Chlorate	Chloric acid, calcium salt	10137-74-3	<5
Calcium Chloride, Particulate	Calcium dichloride Not Available	10043-52-4	<5
Calcium Hydroxide	Caustic lime Hydrated lime Calcium hydroxide (slaked lime) Calcium dihydroxide	1305-62-0	<4

*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. First-aid measures

Inhalation IF INHALED: Remove person to fresh air and keep comfortable for breathing. If breathing stops, provide artificial respiration. If breathing is difficult, trained personnel should give oxygen. Call a physician or poison control center immediately.

Skin contact Take off immediately all contaminated clothing. Immediately flush skin with running water for at least 20 minutes. Cover wound with sterile dressing. Do not rub area of contact. Wash contaminated clothing before reuse. Leather and shoes that have been contaminated with the solution may need to be destroyed. Call a physician or poison control center immediately.

Eye contact Immediately flush eyes with plenty of water for at least 20 minutes. Take care not to rinse contaminated water into the unaffected eye or onto the face. Remove contact lenses, if present and easy to do. Continue rinsing.

Ingestion If swallowed: Rinse mouth. Do NOT induce vomiting. Call a physician or poison control center immediately. Never give anything by mouth to a victim who is unconscious or is having convulsions.

Most important symptoms/effects, acute and delayed Corrosive to the eyes and may cause severe damage including blindness. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Direct skin contact may cause corrosive skin burns, deep ulcerations and possibly permanent scarring. Can cause severe respiratory irritation. Symptoms may include coughing, choking and wheezing. Inhalation could result in pulmonary edema (fluid accumulation). Symptoms of pulmonary edema (chest pain, shortness of breath) may be delayed. May cause severe irritation and corrosive damage in the mouth, throat and stomach. Symptoms may include abdominal pain, vomiting, burns, perforations, bleeding and eventually death.

Indication of immediate medical attention and special treatment needed	Immediate medical attention is required. Causes chemical burns. Treat symptomatically.
General information	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.
5. Fire-fighting measures	
Suitable extinguishing media	Water spray, fog (flooding amounts).
Unsuitable extinguishing media	Do not use carbon dioxides or other smothering agents, as they may be ineffective in fires involving oxidizers. Do not use combustible absorbents, such as sawdust.
Specific hazards arising from the chemical	Not considered flammable. May intensify fire; oxidizer. Contact with combustible material may cause fire. Toxic fumes, gases or vapors may evolve on burning.
Special protective equipment and precautions for firefighters	Firefighters should wear proper protective equipment and self-contained breathing apparatus with full face piece operated in positive pressure mode. A full-body chemical resistant suit should be worn.
Fire fighting equipment/instructions	Fight fire with normal precautions from a reasonable distance. Evacuate the area promptly. Move containers from fire area if you can do so without risk. Use water spray to cool unopened containers. Do not allow run-off from fire fighting to enter drains or water courses. Dike for water control.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.
General fire hazards	Vapors are heavier than air and may spread along floors.
Hazardous combustion products	Chlorine. Oxygen. Calcium oxide. Other irritating fumes and smoke.
6. Accidental release measures	
Personal precautions, protective equipment and emergency procedures	Immediately evacuate personnel to safe areas. Keep unnecessary personnel away. Ensure clean-up is conducted by trained personnel only. Keep away from clothing and other combustible materials. Do not breathe dust. Wear appropriate protective equipment and clothing during clean-up. For personal protection, see section 8 of the SDS. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Local authorities should be advised if significant spillages cannot be contained.
Methods and materials for containment and cleaning up	Ventilate the area. Remove sources of ignition. Stop leak if you can do so without risk. 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. Sweep up or vacuum up spillage and collect in suitable container for disposal. Pick up and transfer to properly labeled containers. Do not seal disposal containers tightly. Immediately remove all product in disposal containers to an isolated area outdoors. Prevent entry into waterways, sewer, basements or confined areas.
Environmental precautions	Never return spills to original containers for re-use. Contact the proper local authorities. For waste disposal, see Section 13. Contact local authorities in case of spillage to drain/aquatic environment. Avoid discharge into drains, water courses or onto the ground.
7. Handling and storage	
Precautions for safe handling	Use only outdoors or in a well-ventilated area. Wear protective gloves/clothing and eye/face protection. Label containers appropriately. Keep away from clothing and other combustible materials. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. 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. Do not breathe dust. When using, do not eat, drink or smoke. Do not taste or swallow. Do not get in eyes, on skin, on clothing. Wash thoroughly after handling. Observe good industrial hygiene practices.
Conditions for safe storage, including any incompatibilities	Store locked up. Storage area should be clearly identified, clear of obstruction and accessible only to trained and authorized personnel. Keep away from heat. Inspect periodically for damage or leaks. Store in corrosive resistant container with a resistant inner liner. Store in original tightly closed container. Keep container tightly closed. Store in a well-ventilated place. Store away from and do not mix with incompatible materials such as acids, oxidizers, organics, reducing agents and all metals except titanium.

8. Exposure controls/personal protection

Occupational exposure limits

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value	Form
Calcium Carbonate (CAS 471-34-1)	PEL	5 mg/m3	Respirable fraction.
Calcium Hydroxide (CAS 1305-62-0)	PEL	15 mg/m3	Total dust.
		5 mg/m3	Respirable fraction.
		15 mg/m3	Total dust.

US. ACGIH Threshold Limit Values

Components	Type	Value
Calcium Hydroxide (CAS 1305-62-0)	TWA	5 mg/m3

US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value	Form
Calcium Carbonate (CAS 471-34-1)	TWA	5 mg/m3	Respirable.
Calcium Hydroxide (CAS 1305-62-0)	TWA	10 mg/m3	Total
		5 mg/m3	

Biological limit values

No biological exposure limits noted for the ingredient(s).

Appropriate engineering controls

Good general ventilation (typically 10 air changes per hour) 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.

Individual protection measures, such as personal protective equipment

Eye/face protection

Chemical goggles and face shield are recommended. Eye wash facilities and emergency shower must be available when handling this product.

Skin protection

Hand protection

Wear appropriate chemical-resistant gloves. Advice should be sought from glove suppliers.

Other

Where contact is likely, wear chemical-resistant gloves, a chemical suit, rubber boots, and chemical safety goggles plus a face shield. Use of an impervious apron is recommended.

Respiratory protection

Chemical respirator with organic vapor cartridge and full facepiece. A NIOSH/MSHA approved air-purifying respirator with the appropriate chemical cartridges or a positive-pressure, air-supplied respirator may be used to reduce exposure. Respirators should be selected based on the form and concentration of contaminants in air, and in accordance with OSHA (29 CFR 1910.134). Advice should be sought from respiratory protection specialists.

Thermal hazards

Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations

When using, do not eat, drink or smoke. Do not breathe mist. Avoid contact with eyes, skin and clothing. Upon completion of work, wash hands before eating, drinking, smoking or use of toilet facilities. Remove soiled clothing and wash it thoroughly before reuse.

9. Physical and chemical properties

Appearance

Physical state	Solid.
Form	Granular powder.
Color	White.

Odor Chlorine-like.

Odor threshold Not available.

pH 10.4 - 10.8

Melting point/freezing point Not available.

Initial boiling point and boiling range Not applicable.

Flash point Not applicable

Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	Not applicable
Flammability limit - upper (%)	Not applicable
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Relative density	Not available.
Solubility(ies)	
Solubility (water)	Soluble
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not applicable.
Decomposition temperature	338 - 356 °F (170 - 180 °C)
Viscosity	Not available.
Other information	
Density	0.80 g/cc
Explosive properties	Oxidizer, may have explosive properties.
Molecular formula	Ca.2Cl-H-O
Molecular weight	142.98 g/mol
Oxidizing properties	Strong oxidizer - contact with other material may cause fire.
Specific gravity	2.35

10. Stability and reactivity

Reactivity	Contact with water will generate considerable heat. May ignite or explode on contact with combustible materials. May be corrosive to metals.
Chemical stability	Inherently unstable. The rate of decomposition of the pure, dry material is extremely low at room temperature. Decomposition is accelerated in the presence of small amounts of water, moist air, carbon dioxide (also present in the air) and/or the presence of contaminants (e.g. rust from container corrosion or the use of a contaminated scoop).When it decomposes, the vigorous reaction generates a great deal of heat, oxygen and very corrosive chlorine gas.
Possibility of hazardous reactions	Small quantities will not usually undergo self-heating or spontaneous ignition under normal conditions of storage and handling. However, small quantities may spontaneously ignite, either through self-heating due to decomposition or due to the presence of contaminants.
Conditions to avoid	Direct sources of heat. Avoid high temperatures. Direct sunlight. Avoid contact with incompatible materials. Do not use in areas without adequate ventilation. Exposure to air. Exposure to moisture. Exposure to light. Contamination. Temperatures above 35 °C.
Incompatible materials	Metals. Strong oxidizing agents. Acids. Amines. Ammonia. Reducing agents. Organic compounds. Combustible material.
Hazardous decomposition products	None known, refer to hazardous combustion products in Section 5.

11. Toxicological information

Information on likely routes of exposure

Inhalation	May cause severe irritation to the nose, throat, and respiratory tract.
Skin contact	Causes severe skin burns.
Eye contact	Causes serious eye damage.
Ingestion	Causes digestive tract burns. Ingestion may cause severe irritation of the mouth, the esophagus and the gastrointestinal tract.

Most important symptoms/effects, acute and delayed

Corrosive to the eyes and may cause severe damage including blindness. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Direct skin contact may cause corrosive skin burns, deep ulcerations and possibly permanent scarring. Can cause severe respiratory irritation. Symptoms may include coughing, choking and wheezing. Inhalation could result in pulmonary edema (fluid accumulation). Symptoms of pulmonary edema (chest pain, shortness of breath) may be delayed. May cause severe irritation and corrosive damage in the mouth, throat and stomach. Symptoms may include abdominal pain, vomiting, burns, perforations, bleeding and eventually death.

Information on toxicological effects

Acute toxicity

Hazardous by OSHA criteria. Acute Toxicity (oral) - Category 4. The below product data is the calculated ATE values for this mixture. Individual ingredient component data appears below the product mixture ATE values.

Product	Species	Test Results
Calcium Hypochlorite		
Acute		
<i>Oral</i>		
LD50	Rat	987.5 mg/kg (Calculated ATE)
Components	Species	Test Results
Calcium Carbonate (CAS 471-34-1)		
Acute		
<i>Dermal</i>		
LD50	Rat	> 2000 mg/kg (No Mortality)
<i>Inhalation</i>		
LC50	Rat	> 3 mg/l, 4 Hours (dust) (No Mortality)
<i>Oral</i>		
LD50	Rat	6450 mg/kg
Calcium Chlorate (CAS 10137-74-3)		
Acute		
<i>Dermal</i>		
LD50	Rabbit	No Data in Literature
<i>Inhalation</i>		
LC50	Rat	No Data in Literature
<i>Oral</i>		
LD50	Rat	4500 mg/kg
Calcium Chloride, Particulate (CAS 10043-52-4)		
Acute		
<i>Dermal</i>		
LC50	Rabbit	No Data in Literature
<i>Inhalation</i>		
LC50		No Data in Literature
<i>Oral</i>		
LD50	Rat	> 2000 mg/kg
Calcium Hydroxide (CAS 1305-62-0)		
Acute		
<i>Dermal</i>		
LD50	Rabbit	No Data in Literature
<i>Inhalation</i>		
LC50	Rat	No Data in Literature
<i>Oral</i>		
LD50	Rat	>= 7340 mg/kg
Calcium hypochlorite (CAS 7778-54-3)		
Acute		
<i>Dermal</i>		
LD50	Rabbit	> 2000 mg/kg

Components	Species	Test Results
<i>Inhalation</i>		
LC50	Rat	No Data in Literature
<i>Oral</i>		
LD50	Rat	790 mg/kg
Sodium Chloride (CAS 7647-14-5)		
Acute		
<i>Dermal</i>		
LD50	Rabbit	> 10000 mg/kg
<i>Inhalation</i>		
LC50	Rat	> 10.5 mg/l, 4 hours (dust)
<i>Oral</i>		
LD50	Rat	3000 mg/kg
Water (CAS 7732-18-5)		
Acute		
<i>Dermal</i>		
LD50	Rabbit	Not available.
<i>Inhalation</i>		
LC50	Rat	Not available.
<i>Oral</i>		
LD50	Rat	> 89840 mg/kg

Skin corrosion/irritation	Hazardous by OSHA criteria. Skin corrosion/irritation - Category 1. Causes severe skin burns and eye damage.
Serious eye damage/eye irritation	Hazardous by OSHA criteria. Serious eye damage/eye irritation - Category 1 Causes serious eye damage.
Respiratory or skin sensitization	
Respiratory sensitization	Not expected to be a respiratory sensitizer.
Skin sensitizer	Not expected to be hazardous by OSHA criteria. Not expected to be a skin sensitizer.
	May cause an allergic skin reaction (e.g. hives, rash) in some hypersensitive individuals.
Germ cell mutagenicity	Not expected to be mutagenic.
Carcinogenicity	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.
IARC Monographs. Overall Evaluation of Carcinogenicity	
Calcium hypochlorite (CAS 7778-54-3)	3 Not classifiable as to carcinogenicity to humans.
OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)	
Not listed.	
Reproductive toxicity	This product is not expected to cause reproductive or developmental effects.
Specific target organ toxicity - single exposure	Hazardous by OSHA criteria. May cause respiratory irritation. Specific Target Organ Toxicity (STOT), Single Exposure, Category 3.
Specific target organ toxicity - repeated exposure	Not classified as a specific target organ toxicity -repeated exposure.
Aspiration toxicity	Not expected to be an aspiration hazard.
Chronic effects	Chronic skin contact with low concentrations may cause dermatitis. Prolonged or repeated exposure may cause lung injury.

12. Ecological information

Ecotoxicity	Very toxic to aquatic life.
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Components	Species		Test Results
Calcium Hydroxide (CAS 1305-62-0)			
Aquatic			
<i>Acute</i>			
Algae	EC50	Green Algae (Pseudokirchneriella subcapitata)	184.57 mg/l, 72 hours
Crustacea	EC50	Water flea (Daphnia magna)	49.1 mg/l, 48 hours
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)	50.6 mg/l, 96 hours
Calcium hypochlorite (CAS 7778-54-3)			
Aquatic			
<i>Acute</i>			
Crustacea	EC50	Water flea (Daphnia magna)	0.11 mg/l, 48 hours
Fish	LC50	Bluegill (Lepomis macrochirus)	0.075 mg/l, 96 hours
Sodium Chloride (CAS 7647-14-5)			
Aquatic			
<i>Acute</i>			
Crustacea	EC50	Water flea (Daphnia magna)	4136 mg/l, 48 hours
Fish	LC50	Bluegill (Lepomis macrochirus)	5480 mg/l, 96 hours
<i>Chronic</i>			
Crustacea	NOEC	Water flea (Daphnia magna)	314 mg/l, 21 day

Persistence and degradability	Biodegradation is not applicable to inorganic substances.
Bioaccumulative potential	No accumulation in living organisms is expected due to high solubility and dissociation properties.
Mobility in soil	High water solubility indicates a high mobility in soil.
Other adverse effects	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal considerations

Disposal instructions	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.
Local disposal regulations	Dispose in accordance with all applicable regulations.
Hazardous waste code	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Waste from residues / unused products	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
Contaminated packaging	Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

14. Transport information

DOT

UN number	UN2880
UN proper shipping name	Calcium Hypochlorite, hydrated mixture (Calcium hypochlorite RQ = 10)
Transport hazard class(es)	
Class	5.1
Subsidiary risk	-
Label(s)	5.1
Packing group	II
Environmental hazards	
Marine pollutant	Yes
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
Special provisions	62, IB8, IP3, T1, TP33
Packaging non bulk	213
Packaging bulk	240

IATA

UN number	UN2880
UN proper shipping name	Calcium hypochlorite, hydrated mixture
Transport hazard class(es)	
Class	5.1
Subsidiary risk	-
Packing group	II
Environmental hazards	No.
ERG Code	5L
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
Other information	
Passenger and cargo aircraft	Allowed.
Cargo aircraft only	Allowed.

IMDG

UN number	UN2880
UN proper shipping name	CALCIUM HYPOCHLORITE, HYDRATED or CALCIUM HYPOCHLORITE, HYDRATED MIXTURE
Transport hazard class(es)	
Class	5.1
Subsidiary risk	-
Packing group	II
Environmental hazards	
Marine pollutant	Yes.
EmS	F-H, S-Q
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not available.

DOT**IATA; IMDG**

Marine pollutant



15. Regulatory information

US federal regulations

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

All components are on the U.S. EPA TSCA Inventory List.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Listed.

CERCLA Hazardous Substance List (40 CFR 302.4)

Calcium hypochlorite (CAS 7778-54-3)

Listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Immediate Hazard - Yes

Delayed Hazard - No

Fire Hazard - Yes

Pressure Hazard - No

Reactivity Hazard - No

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous chemical Yes

SARA 313 (TRI reporting)

Not regulated.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Clean Water Act (CWA) Section 112(r) (40 CFR 68.130) Hazardous substance

Safe Drinking Water Act (SDWA) Not regulated.

US state regulations

US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100)

Not listed.

US. Massachusetts RTK - Substance List

Calcium Carbonate (CAS 471-34-1)

Calcium Chlorate (CAS 10137-74-3)

Calcium Hydroxide (CAS 1305-62-0)

Calcium hypochlorite (CAS 7778-54-3)

US. New Jersey Worker and Community Right-to-Know Act

Calcium Carbonate (CAS 471-34-1)

Calcium Chlorate (CAS 10137-74-3)

Calcium Hydroxide (CAS 1305-62-0)

Calcium hypochlorite (CAS 7778-54-3)

US. Pennsylvania Worker and Community Right-to-Know Law

- Calcium Carbonate (CAS 471-34-1)
- Calcium Chlorate (CAS 10137-74-3)
- Calcium Hydroxide (CAS 1305-62-0)
- Calcium hypochlorite (CAS 7778-54-3)

US. Rhode Island RTK

- Calcium hypochlorite (CAS 7778-54-3)

US. California Proposition 65

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	No
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	No
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	No

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)
A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information, including date of preparation or last revision

Issue date 01-27-2015
Version # 01

HMIS H = 3 F = 0 R = 1
NFPA H = 3 F = 0 R = 1 Other = OX



Certified to NSF/ANSI 60

Maximum use level for Calcium Hypochlorite in potable water is 15 mg/L

List of Abbreviations

ACGIH: American Conference of Governmental Industrial Hygienists
CAS: Chemical Abstract Services
CERCLA: Comprehensive Environmental Response, Compensation and Liability Act of 1980
CFR: Code of Federal Regulations
DOT: Department of Transportation
DSL: Domestic Substance List
EC: European Community
EINECS: European Inventory of Existing Commercial chemical Substances
EPA: Environmental Protection Agency
EPCRA: Emergency Planning and Community Right-to-Know Act
HSDB® - Hazardous Substances Data Bank
IARC: International Agency for Research on Cancer
IATA: International Air Transport Association
IBC: Intermediate Bulk Container
IMDG: International Maritime Dangerous Goods
LC: Lethal Concentration
LD: Lethal Dose
NOEC: No observable effect concentration
NTP: National Toxicology Program
OECD: Organization for Economic Cooperation and Development
OSHA: Occupational Safety and Health Administration
PPE: Personal Protective Equipment
RCRA: Resource Conservation and Recovery Act
RTECS: Registry of Toxic Effects of Chemical Substances
SARA: Superfund Amendments and Reauthorization Act
SDS: Safety Data Sheet
STEL: Short Term Exposure Limit
TLV: Threshold Limit Values
TWA: Time Weighted Average

Prepared by: ICC The Compliance Center Inc. 1-888-442-9628
<http://www.thecompliancecenter.com>

Disclaimer

Disclaimer

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This Safety Data Sheet may not be changed, or altered in any way without the expressed knowledge and permission of ICC The Compliance Center Inc. and Allied Universal Corporation

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The Public Health and Safety Organization

NSF Product and Service Listings

These NSF Official Listings are current as of **Thursday, August 22, 2019** at 12:15 a.m. Eastern Time. Please contact NSF to confirm the status of any Listing, report errors, or make suggestions.

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

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

Allied Universal Corporation

3901 NW 115th Avenue
Miami, FL 33178
United States
305-888-2623

Facility : # 2 USA

Calcium Hypochlorite[CL]

Trade Designation

Aqua Guard Cal Hypo Granules

Product Function

Algicide
Disinfection & Oxidation

Max Use

15mg/L

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

Allied Universal Corporation

3901 Northwest 115 Avenue
Miami, FL 33178
United States
305-888-2623

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

Facility : # 1 USA

Calcium Hypochlorite[CL]

<i>Trade Designation</i>	<i>Product Function</i>	<i>Max Use</i>
Aqua Guard Cal Hypo Granules	Disinfection & Oxidation	15mg/L

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

Allied Universal Corporation

3901 Northwest 115 Avenue
 Miami, FL 33178
 United States
 305-888-2623

Facility : # 6 USA

Calcium Hypochlorite[CL]

<i>Trade Designation</i>	<i>Product Function</i>	<i>Max Use</i>
Aqua Guard Cal Hypo Granules	Algicide Disinfection & Oxidation	15mg/L

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

Number of matching Manufacturers is 3

Number of matching Products is 3

Processing time was 0 seconds



3901 NW 115 Avenue
Miami, Florida 33178
305-888-2623 office
305-463-8369 fax

AFFIDAVIT

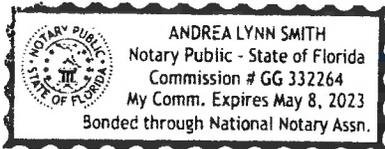
This is to certify that as required, all Sodium Hypochlorite solution to be furnished to Charlotte County will comply with the AWWA Standards B300-04 and ANSI/NSF standard 60 or as may be amended.

Cristhianne Munguia
Bid Coordinator

Subscribed and sworn to before me this 22nd day of August, 2019.

Notary Public of the State of Florida.

Notary Public



3901 NW 115 Avenue
Miami, FL 33178
305-888-2623

9501 Rangeline Road
Ft. Pierce, FL 34987
772-464-6195

30 Neil Gunn Drive
Ellisville, MS 39437
601-477-2550

5215 W. Tyson Avenue
Tampa, FL 33611
813-832-4868

8350 NW 93 Street
Miami, FL 33166
305-888-2623

204 SCM Road
Brunswick, GA 31525
912-267-9470

1405 Possum Hollow Road
Ranger, GA 30734
706-334-7377

14770 Old Saint Augustine Road
Jacksonville, FL 32207
904-619-6180

SAFETY DATA SHEET

1. Identification

Product identifier	Sodium Hypchlorite, 10-15% Solution	
Other means of identification		
SDS number	AUC-004	
Synonyms	Aqua Guard Chlorinating Santizier * Aqua Guard Bleach * Aqua Guard Sodium Hypochlorite 10.5% * Aqua Guard Sodium Hypochlorite 12.5% * Sodium Hypochlorite * Liquid Bleach * Bleach * Hypo	
Recommended use	Swimming pool chemical, hard surface cleaner, water treatment, bleaching, textiles, cooling towers, laundry sanitizer and agricultural/ aquacultural purposes	
Recommended restrictions	None known.	
Manufacturer/Importer/Supplier/Distributor information		
Manufacturer		
Company name	Allied Universal Corporation	
Address	3901 N.W. 115th Avenue Miami, FL 33178 United States	
Telephone	General:	1-305-888-2623
	24-Hour alert:	1-786-522-0207
Website	www.allieduniversal.com	
E-mail	Not available.	
Contact person	Operations Department	
Emergency phone number	CHEMTREC	1-800-424-9300 (US/Canada) +01 703-527-3887 (International)
Supplier	Refer to Manufacturer	

2. Hazard(s) identification

Physical hazards	Corrosive to metals	Category 1
Health hazards	Skin corrosion/irritation	Category 1
	Serious eye damage/eye irritation	Category 1
	Specific target organ toxicity, single exposure	Category 3 respiratory tract irritation
Environmental hazards	This mixture does not meet the classification criteria according to OSHA HazCom 2012.	
OSHA defined hazards	This mixture does not meet the classification criteria according to OSHA HazCom 2012.	
Label elements		



Signal word	Danger
Hazard statement	May be corrosive to metals. Causes severe skin burns and eye damage. Causes serious eye damage. May cause respiratory irritation.
Precautionary statement	
Prevention	Keep only in original container. Do not breathe mist. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves/clothing and eye/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. 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 or doctor/physician. Specific treatment (see this label). Wash contaminated clothing before reuse.
Storage	Store locked up. Store in a well-ventilated place. Keep container tightly closed. Store in corrosive resistant container with a resistant inner liner.
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations.
Hazard(s) not otherwise classified (HNOC)	No OSHA defined hazard classes. Other hazards which do not result in classification: Contact with most acids may liberate and toxic gas. Chronic skin contact with low concentrations may cause dermatitis.
Supplemental information	None.

3. Composition/information on ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	%
Sodium Hypochlorite	HYPOCHLORITE SOLUTION	7681-52-9	10-15.5
Sodium hydroxide	Caustic soda Lye Soda lye	1310-73-2	1-5
Other components below reportable levels			80-90

*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. First-aid measures

Inhalation

Remove victim to fresh air and keep at rest in a position comfortable for breathing. If breathing stops, provide artificial respiration. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. If breathing is difficult, trained personnel should give oxygen. Call a physician or poison control center immediately.

Skin contact

Immediately flush skin with running water for at least 20 minutes. Take off immediately all contaminated clothing. Take off immediately all contaminated clothing. Call a physician or poison control center immediately. Chemical burns must be treated by a physician. Wash contaminated clothing before reuse. Cover wound with sterile dressing. Do not rub area of contact. Leather and shoes that have been contaminated with the solution may need to be destroyed.

Eye contact

Immediately flush eyes with plenty of water for at least 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing for 10-15 minutes. Call a physician or poison control center immediately. Take care not to rinse contaminated water into the unaffected eye or onto the face.

Ingestion

Call a physician or poison control center immediately. Rinse mouth. If swallowed: Rinse mouth. Do NOT induce vomiting. Never give anything by mouth to a victim who is unconscious or is having convulsions. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.

Most important symptoms/effects, acute and delayed

Corrosive to the eyes and may cause severe damage including blindness. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Direct skin contact may cause corrosive skin burns, deep ulcerations and possibly permanent scarring. Can cause severe respiratory irritation. Symptoms may include coughing, choking and wheezing. Inhalation could result in pulmonary edema (fluid accumulation). Symptoms of pulmonary edema (chest pain, shortness of breath) may be delayed. May cause severe irritation and corrosive damage in the mouth, throat and stomach. Symptoms may include abdominal pain, vomiting, burns, perforations, bleeding and eventually death.

Indication of immediate medical attention and special treatment needed

Immediate medical attention is required. Causes chemical burns. Treat symptomatically.

General information

Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

5. Fire-fighting measures

Suitable extinguishing media

Water fog. Foam. Dry chemical powder. Carbon dioxide (CO₂). Use media suitable to the surrounding fire such as water fog or fine spray, alcohol foams, carbon dioxide. Use water with caution. Contact with water will generate considerable heat.

Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire. Do not use dry chemical extinguishing agents. Maleic anhydride may react with the basic sodium compounds. Use chemical extinguishing agents with caution. Some chemical extinguishing agents may react with this material.
Specific hazards arising from the chemical	Not considered flammable. Vapors are heavier than air and may spread along floors. Contact with most metals will generate flammable hydrogen gas. Contact with water will generate considerable heat. Reacts violently with a wide variety of organic and inorganic chemicals including alcohol, carbides, chlorates, picrates, nitrates and metals. Toxic fumes, gases or vapours may evolve on burning.
Special protective equipment and precautions for firefighters	Firefighters should wear proper protective equipment and self-contained breathing apparatus with full face piece operated in positive pressure mode. A full-body chemical resistant suit should be worn.
Fire fighting equipment/instructions	Fight fire with normal precautions from a reasonable distance. Evacuate the area promptly. Move containers from fire area if you can do so without risk. Use water spray to cool unopened containers. Do not allow run-off from fire fighting to enter drains or water courses. Dike for water control.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.
General fire hazards	Vapors are heavier than air and may spread along floors.
Hazardous combustion products	Hydrogen gas. Hydrogen chloride. Chlorine. Oxygen. Sodium oxides.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Immediately evacuate personnel to safe areas. Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
Methods and materials for containment and cleaning up	Ventilate the area. Remove sources of ignition. Stop leak if you can do so without risk. Absorb spillage to prevent material damage. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Use water spray to reduce vapors or divert vapor cloud drift. Prevent entry into waterways, sewer, basements or confined areas. Remove with vacuum trucks or pump to storage/salvage vessels. Contain and absorb spilled liquid with non-combustible, inert absorbent material (e.g. sand). Small spills can be neutralized by covering with a reducing agent, such as Sodium thiosulfate or Sodium sulphite. If not recoverable, dilute with water or flush to holding area and neutralize.
Environmental precautions	Never return spills to original containers for re-use. Contact the proper local authorities. Contaminated absorbent material may pose the same hazards as the spilled product. For waste disposal, see Section 13. Contact local authorities in case of spillage to drain/aquatic environment. Avoid discharge into drains, water courses or onto the ground.

7. Handling and storage

Precautions for safe handling	Use only outdoors or in a well-ventilated area. Wear protective gloves/clothing and eye/face protection. Label containers appropriately. When using, do not eat, drink or smoke. Do not taste or swallow. Do not get in eyes, on skin, on clothing. Wash thoroughly after handling. Observe good industrial hygiene practices.
Conditions for safe storage, including any incompatibilities	Store locked up. Storage area should be clearly identified, clear of obstruction and accessible only to trained and authorized personnel. Avoid ultraviolet (UV) light sources. Inspect periodically for damage or leaks. Store in corrosive resistant container with a resistant inner liner. Store in original tightly closed container. Keep container tightly closed. Store in a well-ventilated place. Store away from and do not mix with incompatible materials such as acids, oxidizers, organics, reducing agents and all metals except titanium. Keep away from food, drink and animal feedingstuffs.

8. Exposure controls/personal protection

Occupational exposure limits

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value
Sodium hydroxide (CAS 1310-73-2)	PEL	2 mg/m ³

US. ACGIH Threshold Limit Values

Components	Type	Value
Sodium hydroxide (CAS 1310-73-2)	Ceiling	2 mg/m3

US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value
Sodium hydroxide (CAS 1310-73-2)	Ceiling	2 mg/m3

US. Workplace Environmental Exposure Level (WEEL) Guides

Components	Type	Value
SODIUM HYPOCHLORITE (CAS 7681-52-9)	STEL	2 mg/m3

Biological limit values	No biological exposure limits noted for the ingredient(s).
Appropriate engineering controls	Good general ventilation (typically 10 air changes per hour) 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. Eye wash facilities and emergency shower must be available when handling this product.
Individual protection measures, such as personal protective equipment	
Eye/face protection	Chemical goggles and face shield are recommended. Eye wash facilities and emergency shower must be available when handling this product.
Skin protection	
Hand protection	Wear appropriate chemical-resistant gloves. Advice should be sought from glove suppliers.
Other	Where contact is likely, wear chemical-resistant gloves, a chemical suit, rubber boots, and chemical safety goggles plus a face shield. Use of an impervious apron is recommended.
Respiratory protection	Chemical respirator with organic vapor cartridge and full facepiece. A NIOSH/MSHA approved air-purifying respirator with the appropriate chemical cartridges or a positive-pressure, air-supplied respirator may be used to reduce exposure. Respirators should be selected based on the form and concentration of contaminants in air, and in accordance with OSHA (29 CFR 1910.134). Advice should be sought from respiratory protection specialists.
Thermal hazards	Wear appropriate thermal protective clothing, when necessary.
General hygiene considerations	When using, do not eat, drink or smoke. Do not breathe mist. Avoid contact with eyes, skin and clothing. Upon completion of work, wash hands before eating, drinking, smoking or use of toilet facilities. Remove soiled clothing and wash it thoroughly before reuse.

9. Physical and chemical properties

Appearance	Clear yellow/green liquid.
Physical state	Liquid.
Form	Liquid.
Color	Clear to yellow/green.
Odor	Pungent. Chlorine-like.
Odor threshold	Not available.
pH	11 - 13
Melting point/freezing point	-150 °F (-101.11 °C)
Initial boiling point and boiling range	> 212 °F (> 100 °C)
Flash point	Not Applicable
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	Not Applicable
Flammability limit - lower (%) temperature	Not Applicable

Flammability limit - upper (%)	Not Applicable
Flammability limit - upper (%) temperature	Not Applicable
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	12 mm Hg
Vapor density	Not available.
Relative density	Not available.
Solubility(ies)	
Solubility (water)	Soluble
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.
Other information	
Density	1.18 g/cm ³
Molecular formula	NaOCl
Molecular weight	74.4
Specific gravity	1.18

10. Stability and reactivity

Reactivity	Contact with most metals will generate flammable hydrogen gas. Contact with water will generate considerable heat. Reacts with amines and ammonia compounds to form explosively unstable compounds. May be corrosive to metals. May be corrosive to: Aluminum. Stainless steel. Carbon steel. Copper. Bronze
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	Reacts vigorously or violently with many organic and inorganic chemicals such as: acids, acrolein, acrylonitrile, chlorinated hydrocarbons (e.g. 1,2 dichloroethylene), chlorine dioxide, maleic anhydride, nitroethane, nitroparaffins, 2-nitrophenol, nitropropane, phosphorus, potassium persulfate, and tetrahydrofuran (containing peroxides).
Conditions to avoid	Direct sources of heat. Avoid high temperatures. Direct sunlight. Avoid contact with incompatible materials. Do not use in areas without adequate ventilation. Do not allow evaporation to dryness.
Incompatible materials	Metals. Strong oxidizing agents. Acids. Amines. Ammonia. Reducing agents. Nitrites. Organic compounds.
Hazardous decomposition products	None known, refer to hazardous combustion products in Section 5. In the event of fire the following can be released: Chlorine. Sodium chlorate.

11. Toxicological information

Information on likely routes of exposure

Inhalation	Prolonged inhalation may be harmful. May cause irritation to the respiratory system. May cause severe irritation to the nose, throat, and respiratory tract.
Skin contact	Causes severe skin burns.
Eye contact	Causes serious eye damage.
Ingestion	Causes digestive tract burns. Ingestion may cause severe irritation of the mouth, the esophagus and the gastrointestinal tract.
Most important symptoms/effects, acute and delayed	Corrosive to the eyes and may cause severe damage including blindness. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Direct skin contact may cause corrosive skin burns, deep ulcerations and possibly permanent scarring. Can cause severe respiratory irritation. Symptoms may include coughing, choking and wheezing. Inhalation could result in pulmonary edema (fluid accumulation). Symptoms of pulmonary edema (chest pain, shortness of breath) may be delayed. May cause severe irritation and corrosive damage in the mouth, throat and stomach. Symptoms may include abdominal pain, vomiting, burns, perforations, bleeding and eventually death.

Information on toxicological effects

Acute toxicity Not expected to be hazardous by OSHA criteria. There is no available data for the product itself, only for the ingredients. See data for individual ingredient acute toxicity data.

Components	Species	Test Results
Sodium hydroxide (CAS 1310-73-2)		
Acute		
<i>Dermal</i>		
LD50	Rabbit	No Data in Literature
<i>Inhalation</i>		
LC50	Rat	No Data in Literature
<i>Oral</i>		
LD50	Rat	No Data in Literature
Sodium Hypochlorite (CAS 7681-52-9)		
Acute		
<i>Dermal</i>		
LD50	Rabbit	> 10000 mg/kg
<i>Inhalation</i>		
LC50	Rat	> 5.25 mg/l/4h
<i>Oral</i>		
LD50	Rat	8910 mg/kg

Skin corrosion/irritation Hazardous by OSHA criteria. Causes severe skin burns. Causes severe skin burns and eye damage. Skin corrosion/irritation - Category 1.

Serious eye damage/eye irritation Hazardous by OSHA criteria. Causes serious eye damage. Serious eye damage/eye irritation - Category 1

Respiratory or skin sensitization

Respiratory sensitization Not expected to be a respiratory sensitizer.

Skin sensitizer Not expected to be hazardous by OSHA criteria. Not expected to be a skin sensitizer.

May cause an allergic skin reaction (e.g. hives, rash) in some hypersensitive individuals.

Germ cell mutagenicity Not expected to be mutagenic.

Carcinogenicity This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

IARC Monographs. Overall Evaluation of Carcinogenicity

Sodium Hypochlorite (CAS 7681-52-9) 3 Not classifiable as to carcinogenicity to humans.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

Reproductive toxicity This product is not expected to cause reproductive or developmental effects.

Specific target organ toxicity - single exposure Hazardous by OSHA criteria. May cause respiratory irritation. Specific Target Organ Toxicity (STOT), Single Exposure, Category 3.

Specific target organ toxicity - repeated exposure Not classified as a specific target organ toxicity -repeated exposure.

Aspiration toxicity Not expected to be an aspiration hazard.

Chronic effects Prolonged inhalation may be harmful. Chronic skin contact with low concentrations may cause dermatitis.

12. Ecological information

Ecotoxicity Toxic to aquatic life.

Components	Species	Test Results
Sodium hydroxide (CAS 1310-73-2)		
Aquatic		
<i>Acute</i>		
Crustacea	EC50 Water flea (Ceriodaphnia dubia)	40 mg/l, 48 hours

Components	Species	Test Results
Fish	LC50	Western mosquitofish (<i>Gambusia affinis</i>) 125 mg/l, 96 hours
Sodium Hypochlorite (CAS 7681-52-9)		
Aquatic		
<i>Acute</i>		
Crustacea	EC50	Water flea (<i>Daphnia magna</i>) 0.169 mg/l, 48 hours
Fish	LC50	Bluegill (<i>Lepomis macrochirus</i>) 0.58 mg/l, 96 hours

Persistence and degradability Biodegradation is not applicable to inorganic substances.

Bioaccumulative potential No accumulation in living organisms is expected due to high solubility and dissociation properties.

Mobility in soil High water solubility indicates a high mobility in soil.

Other adverse effects No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal considerations

Disposal instructions Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.

Local disposal regulations Dispose in accordance with all applicable regulations.

Hazardous waste code The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

Waste from residues / unused products Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

Contaminated packaging Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

14. Transport information

DOT

UN number UN1791

UN proper shipping name HYPOCHLORITE SOLUTIONS (RQ = 100)

Transport hazard class(es)

Class 8

Subsidiary risk -

Label(s) 8

Packing group III

Environmental hazards

Marine pollutant Yes

Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

Special provisions IB3, N34, T4, TP2, TP24

Packaging exceptions 154

Packaging non bulk 203

Packaging bulk 241

This product does the definition of a marine pollutant as described in 49 CFR section 171.8.

IATA

UN number UN1791

UN proper shipping name HYPOCHLORITE SOLUTION

Transport hazard class(es)

Class 8

Subsidiary risk -

Packing group III

Environmental hazards NO

ERG Code 8L

Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

Other information

Passenger and cargo aircraft Allowed.

Cargo aircraft only Allowed.

IMDG

UN number UN1791
UN proper shipping name HYPOCHLORITE SOLUTION
Transport hazard class(es)

Class 8

Subsidiary risk -

Packing group III

Environmental hazards

Marine pollutant No.

EmS F-A, S-B

Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not available.

DOT**IATA; IMDG****Marine pollutant****15. Regulatory information****US federal regulations**

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

All components are on the U.S. EPA TSCA Inventory List.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Sodium hydroxide (CAS 1310-73-2)

Listed.

Sodium Hypochlorite (CAS 7681-52-9)

Listed.

SARA 304 Emergency release notification

Not regulated.

Country(s) or region	Inventory name	On inventory (yes/no)*
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)
A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information, including date of preparation or last revision

Issue date	03-15-2015
Version #	01
HMIS	H: 3 F: 0 R: 1
NFPA	H: 3 F: 0 R: 1



Certified to
NSF/ANSI 60

List of abbreviations

Maximum use level for Sodium hypochlorite under NSF/ANSI Standard 60 - Maximum use in potable water is 84 mg/L for 12.5% bleach and 100 mg/L for 10.5% bleach.

ACGIH: American Conference of Governmental Industrial Hygienists
CAS: Chemical Abstract Services
CERCLA: Comprehensive Environmental Response, Compensation and Liability Act of 1980
CFR: Code of Federal Regulations
DOT: Department of Transportation
DSL: Domestic Substance List
EC: European Community
EINECS: European Inventory of Existing Commercial chemical Substances
EPA: Environmental Protection Agency
EPCRA: Emergency Planning and Community Right-to-Know Act
HSDB® - Hazardous Substances Data Bank
IARC: International Agency for Research on Cancer
IATA: International Air Transport Association
IBC: Intermediate Bulk Container
IMDG: International Maritime Dangerous Goods
LC: Lethal Concentration
LD: Lethal Dose
NOEC: No observable effect concentration
NTP: National Toxicology Program
OECD: Organisation for Economic Cooperation and Development
OSHA: Occupational Safety and Health Administration
PPE: Personal Protective Equipment
RCRA: Resource Conservation and Recovery Act
RTECS: Registry of Toxic Effects of Chemical Substances
SARA: Superfund Amendments and Reauthorization Act
SDS: Safety Data Sheet
STEL: Short Term Exposure Limit
TLV: Threshold Limit Values
TWA: Time Weighted Average

Prepared by: ICC The Compliance Center Inc. 1-888-442-9628
<http://www.thecompliancescenter.com>

Disclaimer

Disclaimer
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This Safety Data Sheet may not be changed, or altered in any way without the expressed knowledge and permission of ICC The Compliance Center Inc. and Allied Universal Corporation

Bibliography

Canadian Centre for Occupational Health and Safety, CCIInfoWeb Databases, 2014
(Chempendium, RTECs, HSDB, INCHEM)
European Chemicals Bureau, Existing Chemicals Work Area, EINECS Information System, 2014.
Material Safety Data Sheet from manufacturer.
OECD - The Global Portal to Information on Chemical Substances - eChemPortal, 2014.



The Public Health and Safety Organization

NSF Product and Service Listings

These NSF Official Listings are current as of **Thursday, August 22, 2019** at 12:15 a.m. Eastern Time. Please contact NSF to confirm the status of any Listing, report errors, or make suggestions.

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

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

Allied Universal Corporation

3901 Northwest 115th Avenue

Miami, FL 33178

United States

800-981-6700

305-888-2623

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

Facility : # 2 Jacksonville, Florida

Sodium Hypochlorite[CL]

Trade Designation

Aqua Guard Chlorinating Sanitizer

Aqua Guard Chlorinating Sanitizer 10.5%

Aqua Guard Chlorinating Sanitizer 10.5% Chlorine By Weight

Aqua Guard Sodium Hypochlorite 10.5%

Aqua Guard Sodium Hypochlorite 10.5% By Weight

Sodium Hypochlorite

Sodium Hypochlorite 10.5% Chlorine By Weight

Product Function

Disinfection & Oxidation

Max Use

100mg/L

100mg/L

100mg/L

100mg/L

100mg/L

100mg/L

100mg/L

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

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

Facility : Fort Pierce, FL

Sodium Hypochlorite[CL]

<i>Trade Designation</i>	<i>Product Function</i>	<i>Max Use</i>
Aqua Guard Chlorinating Sanitizer	Disinfection & Oxidation	100mg/L
Aqua Guard Chlorinating Sanitizer 10.5%	Disinfection & Oxidation	100mg/L
Aqua Guard Chlorinating Sanitizer 10.5% Chlorine By Weight	Disinfection & Oxidation	100mg/L
Aqua Guard Sodium Hypochlorite 10.5%	Disinfection & Oxidation	100 mg/L
Aqua Guard Sodium Hypochlorite 10.5% By Weight	Disinfection & Oxidation	100mg/L
Sodium Hypochlorite	Disinfection & Oxidation	100mg/L
Sodium Hypochlorite 10.5% Chlorine By Weight	Disinfection & Oxidation	100mg/L

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

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

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

Facility : Miami, FL

Sodium Hypochlorite[CL]

<i>Trade Designation</i>	<i>Product Function</i>	<i>Max Use</i>
Aqua Guard Chlorinating Sanitizer 10.5% Chlorine By Weight	Disinfection & Oxidation	100mg/L
Sodium Hypochlorite 10.5% Chlorine By Weight	Disinfection & Oxidation	100mg/L
Aqua Guard Sodium Hypochlorite 10.5% By Weight	Disinfection & Oxidation	100mg/L
Aqua Guard Chlorinating Sanitizer 10.5%	Disinfection & Oxidation	100mg/L
Aqua Guard Sodium Hypochlorite 10.5%	Disinfection & Oxidation	100mg/L
Aqua Guard Chlorinating Sanitizer	Disinfection & Oxidation	100mg/L
Sodium Hypochlorite	Disinfection & Oxidation	100mg/L

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

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

Facility : Tampa, FL

Sodium Hypochlorite[CL]

<i>Trade Designation</i>	<i>Product Function</i>	<i>Max Use</i>
Aqua Guard Chlorinating Sanitizer 10.5% Chlorine By Weight	Disinfection & Oxidation	100mg/L
Sodium Hypochlorite 10.5% Chlorine By Weight	Disinfection & Oxidation	100mg/L
Aqua Guard Sodium Hypochlorite 10.5% By Weight	Disinfection & Oxidation	100mg/L
Aqua Guard Chlorinating Sanitizer 10.5%	Disinfection & Oxidation	100mg/L
Aqua Guard Sodium Hypochlorite 10.5%	Disinfection & Oxidation	100mg/L
Aqua Guard Chlorinating Sanitizer	Disinfection & Oxidation	100mg/L
Sodium Hypochlorite	Disinfection & Oxidation	100mg/L

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

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

Facility : Brunswick, GA**Sodium Hypochlorite[CL]**

<i>Trade Designation</i>	<i>Product Function</i>	<i>Max Use</i>
Aqua Guard Bleach	Disinfection & Oxidation	84mg/L
Aqua Guard Bleach 12.5%	Disinfection & Oxidation	84mg/L
Aqua Guard Chlorinating Sanitizer	Disinfection & Oxidation	100mg/L
Aqua Guard Chlorinating Sanitizer 10.5%	Disinfection & Oxidation	100mg/L
Aqua Guard Sodium Hypochlorite 10.5%	Disinfection & Oxidation	100mg/L
Aqua Guard Sodium Hypochlorite 12.5%	Disinfection & Oxidation	84mg/L
Sodium Hypochlorite 10.5%	Disinfection & Oxidation	100mg/L
Sodium Hypochlorite 12.5%	Disinfection & Oxidation	84mg/L

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

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

Facility : Ellisville, MS**Sodium Hypochlorite[CL]**

<i>Trade Designation</i>	<i>Product Function</i>	<i>Max Use</i>
Aqua Guard Bleach	Disinfection & Oxidation	84mg/L
Aqua Guard Bleach 12.5%	Disinfection & Oxidation	84mg/L

Aqua Guard Chlorinating Sanitizer	Disinfection & Oxidation	100mg/L
Aqua Guard Chlorinating Sanitizer 10.5%	Disinfection & Oxidation	100mg/L
Aqua Guard Sodium Hypochlorite 10.5%	Disinfection & Oxidation	100mg/L
Aqua Guard Sodium Hypochlorite 12.5%	Disinfection & Oxidation	84mg/L
Sodium Hypochlorite 10.5%	Disinfection & Oxidation	100mg/L
Sodium Hypochlorite 12.5%	Disinfection & Oxidation	84mg/L

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

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

Allied Universal Corporation

3901 Northwest 115 Avenue

Miami, FL 33178

United States

305-888-2623

[Visit this company's website \(http://www.allieduniversal.com\)](http://www.allieduniversal.com)

Facility : # 3 USA

Sodium Hypochlorite[CL]

<i>Trade Designation</i>	<i>Product Function</i>	<i>Max Use</i>
Aqua Guard Bleach	Disinfection & Oxidation	84mg/L
Aqua Guard Bleach 12.5%	Disinfection & Oxidation	84mg/L
Aqua Guard Sodium Hypochlorite 12.5%	Disinfection & Oxidation	84mg/L
Sodium Hypochlorite 12.5%	Disinfection & Oxidation	84mg/L

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

Facility : # 4 USA

Sodium Hypochlorite[CL]

<i>Trade Designation</i>	<i>Product Function</i>	<i>Max Use</i>
Aqua Guard Bleach	Disinfection & Oxidation	84mg/L
Aqua Guard Bleach 12.5%	Disinfection & Oxidation	84mg/L
Aqua Guard Sodium Hypochlorite 12.5%	Disinfection & Oxidation	84mg/L
Sodium Hypochlorite 12.5%	Disinfection & Oxidation	84mg/L

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

Number of matching Manufacturers is 2

Number of matching Products is 52

Processing time was 1 seconds



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Miami, Florida 33178
305-888-2623 office
305-885-4671 fax

July 2017

Dear Allied Customer:

As a member of the National Association of Chemical Distributors and The Chlorine Institute, Allied Universal Corporation strongly encourages all of its customers to formulate, periodically review and update their procedures for the proper handling and use of Allied's chemical products. Customer procedures should, of course, include emergency preparedness and plans for handling potential chemical spills and releases.

It is the responsibility of each customer to develop its own individual, site-specific emergency procedures. The attached "Spill Contingency" pamphlet contains examples of some of the types of procedures customers may wish to consider when formulating, reviewing or updating their respective emergency procedures. Customers should NOT rely upon these examples, as they are not intended to be comprehensive, nor will they be appropriate for every customer, since our customers' business operations, personnel, physical facilities and locations are diverse, and customer practices and procedures will, by necessity, vary accordingly. Customers may, however, find these examples useful in formulating, reviewing or updating their own individualized, site-specific practices and procedures.

Allied strongly recommends that each customer consult with a qualified and licensed environmental cleanup service in formulating emergency procedures for handling chemical spills or releases. As part of these procedures, each customer should have available for immediate use the contact information for local environmental cleanup services.

All customers must ensure that their employees are trained in the proper and safe handling and use of all chemical products, and that their employees are familiar with all applicable labels and Safety Data Sheets. This employee training must be documented and maintained on file at all times, in accordance with applicable government regulations.

It is the responsibility of every customer to familiarize themselves and to comply with all applicable federal, state and local laws and regulations pertaining to chemicals utilized in the customer's business operations, including, but not limited to, Title 29 of the Code of Federal Regulations, section 1910.38. Customers should not rely upon the attached exemplar procedures. Customers should consult with and rely only upon the advice of licensed legal and environmental professionals. Allied will not be responsible for any incidental, consequential, special or other damages arising from or relating to the attached exemplar procedures, or its customers formulation and implementation of emergency preparedness and chemical cleanup procedures.

If Allied can assist your efforts in the proper handling of our products, please contact your Sales Representative.

WARNING: CUSTOMERS SHOULD NOT RELY UPON THESE EXEMPLAR PROCEDURES, AS THEY ARE INTENDED SOLELY FOR THE CUSTOMER'S USE AS A STARTING POINT IN FORMULATING EACH CUSTOMER'S INDIVIDUAL, SITE -SPECIFIC EMERGENCY PREPAREDNESS/CHEMICAL CLEANUP PROCEDURES. CUSTOMERS SHOULD CONSULT WITH AND RELY ONLY UPON THE ADVICE OF LICENSED LEGAL AND ENVIRONMENTAL PROFESSIONALS IN FORMULATING THEIR INDIVIDUAL, SITE-SPECIFIC PROCEDURES. ALLIED IS NOT RESPONSIBLE FOR ANY DAMAGES, INCLUDING, BUT NOT LIMITED TO, INCIDENTAL, CONSEQUENTIAL AND SPECIAL DAMAGES, ARISING FROM THE CUSTOMER'S FORMULATION AND IMPLEMENTATION OF EMERGENCY PREPAREDNESS/CHEMICAL CLEANUP PROCEDURES.



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SPILL CONTINGENCY

In the event of a spill or leak, the employee discovering the spill or leak should immediately notify the site supervisor or manager. The site supervisor or manager should direct the employee to determine the source or cause of the leak and provide the employee with instructions on how to control or contain the incident, if possible. If containment and control is not possible, the facility owner or authorized site manager manager/supervisor should call the local public agency and first responders as well as their supplier.

Please insert applicable phone numbers and names for your location.

EMERGENCY RESPONSE PHONE NUMBERS	
FIRE DEPARTMENT	911
ALLIED 24HR CHEMICAL SPILL EMERGENCY NUMBER	1-786-522-0207 Or CHEMTREC 1-800-424-9300
ALLIED BRANCH SUPPLIER NUMBER: Miami, FL Ft. Pierce, FL Jacksonville, FL CFI - Tampa, FL Brunswick, GA Ranger, GA Ellisville, MS	305-888-2623 x0201 or x0202 305-888-2623 x0601 or x0602 305-888-2623 x1201 or x1202 305-888-2623 x0901 or x0902 305-888-2623 x0401 or x0402 305-888-2623 x0701 or x0702 305-888-2623 x1001
ALLIED SALES REPRESENTATIVE	
LOCAL HOSPITAL NAME & PHONE NUMBER	
OTHER APPLICABLE EMERGENCY NUMBERS	
FACILITY NEIGHBOR	
FACILITY NEIGHBOR	

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Hazardous Materials such as Sodium Hypochlorite Solution (Bleach), Sodium Hydroxide Solution (Caustic Soda or just Caustic) and Acids have different properties and as such have different Reportable Quantities (RQ) dealing with notification. Reportable Quantity (RQ) as defined by the USEPA, means that quantity (as set forth by regulation), the release of which requires notification to the National Response Center at 1-800-424-8802.

Both the USEPA and USDOT have published tables on Reportable Quantities for Hazardous Substances in the United States Code of Federal Regulations: EPA 40 CFR § 302.4 and DOT at 49 CFR § 172.101 APPENDIX A, Table 1.

It should be understood that the RQ's as listed by both USEPA & USDOT are for pure substances. The chart on page 8 can be used to determine whether a RQ leak or spill has occurred.

If a spill, leak or release to the environment, has occurred over the RQ amount, and material has not been contained by a containment device (e.g. scrubber, building, dike, etc.), notification to Federal, State and local authorities must and may have to be made. Federal notification is required, State and Local notification will vary from State-to-State and locality-to-locality. You must check with your State and Local applicable authorities to determine notification requirements. The Federal and some State numbers are listed below:

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US NATIONAL RESPONSE CENTER	800-424-8802
FL STATE WARNING POINT	800-320-0519
GA OFFICE OF EMERGENCY SERVICES	800-241-4113
MS STATE WARNING POINT	800-222-6362

If it has been determined that a release in excess of the Reportable Quantity (RQ) has occurred (see listings on page 8) to the air, grounds or waters of the State, notification must be made within 15 minutes from the time the release was discovered in accordance with the United States Code of Federal Regulations 40CFR §302.6 and §355.40(b) to:

1. National Response Center 800-424-8802

And to the following agencies per State applicable laws:

2. The State Warning Point/State Emergency Response Hotline

When notification is required to the Federal government and State government via the National Response Center and State Emergency Response Center require specific information as per 40CFR §355.40(b)(2)(i - vii). This information includes but will not be limited to:

1. Name, location, and telephone number
2. Name and address of the party responsible for the incident
3. Date and time of the incident
4. Location of the incident
5. Source and cause of the release or spill (i.e. tank failure)
6. Types of materials (i.e. chemical) released or spilled

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7. Quantity of material released or spilled
8. Danger or threat posed by the release or spill (i.e. acute or chronic health risks, environmental damage, etc. – use a Material Safety Data Sheet for this information)
9. Number and type of injuries (if any)
10. Mitigation efforts, if any, being made to stop the release
11. Weather conditions at the incident location
12. Any other relevant information

Within seven (7) days after a release which requires verbal notification to the Federal and State governments, the owner or operator of the facility shall provide a written follow up emergency notice to the State Emergency Response Center and Local Emergency Planning Council (LEPC). The letter should contain, at a minimum, the following information:

1. Chemical Name - Include whether an extremely hazardous substance. Also, the UN (i.e. UN 1791 for bleach, UN 1824 for caustic, etc).
2. Location, time and duration of release.
3. Medium or Media into which the release occurred.
4. Estimate of quantity of product released.
5. Known or anticipated acute or chronic health risks associated with the emergency and where appropriate, advice regarding medical attention necessary for exposed individuals. (Use Material Safety Data Sheet - MSDS).
6. Actions that were taken as a result of the release, including evacuation and hospitalizations, and
7. Name and telephone number of Emergency Coordinator.

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The following table lists the name and addresses of a few of these agencies:

WRITTEN FOLLOW-UP NOTIFICATION ADDRESSES	
FL STATE EMERGENCY RESPONSE COMMISSION	FL State Emerg. Response Commission 255 Shumard Oak Boulevard Tallahassee, FL 32399 800-320-0519
GA DEPARTMENT OF NATURAL RESOURCES	Department of Natural Resources Environmental Protection Division 7 Martin Luther King Drive, Room 643 Atlanta, Georgia 30334 800-241-4113
MS EMERGENCY MANAGEMENT AGENCY	MEMA PO Box 4501 Jackson, MS 39296-4501 800-222-6362 601-352-9100
OTHER STATE EMERGENCY AGENCY	INSERT ADDRESS HERE
LOCAL EMERGENCY PLANNING COMMISSIONS	CHECK WITH YOUR LEPC TO DETERMINE WHERE YOUR LETTER MUST BE SENT.

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REPORTABLE QUANTITY CHEMICAL LIST

<u>PRODUCT</u>	<u>RQ - IN GALLONS</u>	<u>RQ - IN POUNDS</u>
CHLORINE GAS	0.86 Gallons	10 Pounds
MURIATIC ACID 20 Bé (Hydrochloric Acid)	1,639 Gallons	5000 Pounds
MURIATIC ACID 22 Bé (Hydrochloric Acid)	1,449 Gallons	5000 Pounds
SODIUM BISULFITE SOLUTION - 38%	1,170 Gallons	5000 Pounds
SODIUM HYPOCHLORITE SOLUTION - 10.5%	98 Gallons	100 Pounds
SODIUM HYPOCHLORITE SOLUTION - 12.5%	80 Gallons	100 Pounds
SODIUM HYPOCHLORITE SOLUTION - 15%	64 Gallons	100 Pounds
SODIUM HYDROXIDE SOLUTION - 50%	156 Gallons	1000 Pounds
SODIUM HYDROXIDE SOLUTION - 25%	374 Gallons	1000 Pounds
SULFUR DIOXIDE	44 Gallons	500 Pounds
SULFURIC ACID - 28 Bé	296 Gallons	1000 Pounds

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I. PROCEDURES FOR SODIUM HYPOCHLORITE SOLUTION

DO NOT REFER TO SODIUM HYPOCHLORITE AS CHLORINE OR LIQUID CHLORINE. DO NOT USE CHLORINE IN THE DESCRIPTION AS IT IS CONFUSING (THEY ASSUME IT TO BE CHLORINE GAS) TO PUBLIC RESPONDERS. DESCRIBE PRODUCT SPILLED AS SODIUM HYPOCHLORITE, BLEACH, OR LIQUID BLEACH.

1. Spill or Leak in Bulk Storage Tank
 - a. Containment drain valve (if available) must be closed. Valve should only be opened to drain rainwater from containment and closed afterward. Verify State and local regulations for discharging rainwater prior to discharging. Chlorine levels and pH must not exceed State and local requirements before discharging.
 - b. Determine the source of the actual leak.
 - c. If the storage tank system is not damaged, pump only good Sodium Hypochlorite back into the storage tank for re-use.
 - d. Spilled or released Sodium Hypochlorite that cannot be recovered or reused must be neutralized and properly disposed of in accordance with applicable Federal, State and Local regulations.
 - e. Notify your supplier.
2. Discharges to Ground or Pavement
 - a. Determine the source of the Sodium Hypochlorite leak.
 - b. Stop the leak and contain the spilled product.
 - c. If the personal safety of facility individuals is in danger, site supervision should evacuate the facility.
 - d. Notify the local Fire Department.

WARNING: CUSTOMERS SHOULD NOT RELY UPON THESE EXEMPLAR PROCEDURES, AS THEY ARE INTENDED SOLELY FOR THE CUSTOMER'S USE AS A STARTING POINT IN FORMULATING EACH CUSTOMER'S INDIVIDUAL, SITE -SPECIFIC EMERGENCY PREPAREDNESS/CHEMICAL CLEANUP PROCEDURES. CUSTOMERS SHOULD CONSULT WITH AND RELY ONLY UPON THE ADVICE OF LICENSED LEGAL AND ENVIRONMENTAL PROFESSIONALS IN FORMULATING THEIR INDIVIDUAL, SITE-SPECIFIC PROCEDURES. ALLIED IS NOT RESPONSIBLE FOR ANY DAMAGES, INCLUDING, BUT NOT LIMITED TO, INCIDENTAL, CONSEQUENTIAL AND SPECIAL DAMAGES, ARISING FROM THE CUSTOMER'S FORMULATION AND IMPLEMENTATION OF EMERGENCY PREPAREDNESS/CHEMICAL CLEANUP PROCEDURES.



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- e. Spilled/released Sodium Hypochlorite that cannot be recovered/reused must be neutralized and properly disposed of in accordance with applicable regulations.
 - f. Notify your supplier.
3. Treatment, Neutralization, Clean Up Procedures
- a. Spills of Sodium Hypochlorite solution should never be rinsed or flushed to drains or sewers. Suitable absorbent materials such as sand, vermiculite or clay should be used to absorb the material. Contaminated absorbents and soils should be scraped up using shovels and placed in suitable hazardous material containers and disposed of in accordance with all Federal, State and Local regulations.
 - b. Neutralization of Sodium Hypochlorite may be accomplished using Sodium Sulfite, Sodium Bisulfite or Sodium Thiosulfate. Ratio is approximately one (1) pound for each gallon of spilled material. Material should be dissolved in a bucket of clean, clear water and applied to the residue area. Caution should be used as some heat may be generated during this process. By-products of this neutralization are water, salts and liberation of oxygen to the atmosphere.
 - c. After neutralization has been conducted, the remaining residue is generally considered safe for rinsing to local sewer systems connected to Waste Water Treatment Stations.

Permission must be obtained through the local treatment facility and local environmental agencies before any rinsing of residue is started.

WARNING: CUSTOMERS SHOULD NOT RELY UPON THESE EXEMPLAR PROCEDURES, AS THEY ARE INTENDED SOLELY FOR THE CUSTOMER'S USE AS A STARTING POINT IN FORMULATING EACH CUSTOMER'S INDIVIDUAL, SITE -SPECIFIC EMERGENCY PREPAREDNESS/CHEMICAL CLEANUP PROCEDURES. CUSTOMERS SHOULD CONSULT WITH AND RELY ONLY UPON THE ADVICE OF LICENSED LEGAL AND ENVIRONMENTAL PROFESSIONALS IN FORMULATING THEIR INDIVIDUAL, SITE-SPECIFIC PROCEDURES. ALLIED IS NOT RESPONSIBLE FOR ANY DAMAGES, INCLUDING, BUT NOT LIMITED TO, INCIDENTAL, CONSEQUENTIAL AND SPECIAL DAMAGES, ARISING FROM THE CUSTOMER'S FORMULATION AND IMPLEMENTATION OF EMERGENCY PREPAREDNESS/CHEMICAL CLEANUP PROCEDURES.

EMERGENCY CONTACT NUMBERS

CORPORATE:

WORKING HOURS:

(305) 888 – 2623

EMERGENCY CONTACTS (OTHER PHONE NUMBERS):

- | | |
|--|---|
| <ol style="list-style-type: none"> 1. JOHN DODI (WF FL REGIONAL OPERATIONS MANAGER) 2. ANTHONY FEDD (N. REGIONAL OPERATIONS MANAGER) 3. JIM LAFRENIERE (SE FL REGIONAL OPERATIONS MANAGER) 4. MIKE HARRIS (FLEET MAINTENANCE MANAGER) 5. JAY BRUNELLE (DRIVER SAFETY COMPLIANCE MANAGER - SOUTH) 6. STEVE PILZ (DRIVER SAFETY COMPLIANCE MANAGER – NORTH) 6. FRANCES MENDEZ (ASSISTANT TSUI OPERATIONS MANAGER) 7. GUY TILLOTSON (TSUI NIGHT DISPATCH) 8. TODD TUCKER (VICE PRESIDENT OF OPERATIONS - SECURITY) | <p>WORK (813) 832-4868.x0908, CELL (904) 599-0508</p> <p>WORK (912) 267-6064, CELL (850) 212-6858</p> <p>WORK (305) 894-4173, CELL (305) 491-3430</p> <p>WORK (912) 267-9590, CELL (912) 571-0704</p> <p>CELL (413) 222-5440</p> <p>CELL (904) 718 4254</p> <p>WORK (786) 646-2840, CELL (386) 334-6992</p> <p>CELL (954) 336 - 2705</p> <p>WORK (786) 522-0200, CELL (903) 987-3248</p> |
|--|---|

US TSA'S TRANSPORTATION SECURITY COORDINATION CENTER:

(703) 563-3236 OR 3237

BRANCHES:

MIAMI, FL (305) 888-2623	
JAIMIE JOHNSON	CELL # (305) 216-4612
JESUS CARPHUAPOMA	CELL # (786) 712-2254
JOEL CASTILLO	CELL # (786) 390-4586
FT. PIERCE, FL (772) 464-6195	
DAN DEBEAU	CELL # (309) 213-4936
WALTER CIECWIERZ	CELL # (201) 993-3536
BILL ESTERLINE	CELL # (314) 599-0033
TAMPA, FL (813) 832-4868	
ELAINE BENNETT	CELL # (901) 326-6262
KEN HAYES	CELL # (313) 820-4339
KAREN GARILLI	CELL # (813) 966-3635
JANET DAVIS	CELL # (813) 436-6362
JACKSONVILLE, FL (AND DOTHAN, AL) (904) 438-4976	
KY NICHOLSON	CELL # (904) 607-8141
DAVID SCHULTZ	CELL # (912) 222-9487
LISA DALE	CELL # (770) 769-6528
BRUNSWICK, GA (912) 267-9470	
WILLIAM WARE	CELL # (502) 333-8059
BRIAN GARRIS	CELL # (980) 613-2593
CHARITY BREWER	CELL # (912) 230-8680
ELLISVILLE, MS (AND MOBILE, AL) (601) 477-2550	
BOB BOYKIN	CELL # (251) 604-7365
TIGRAN ARMSTRONG	CELL # (601) 554-6582
KEVIN CARTER	CELL # (256) 682-2838

NovaChem

Laboratories, Inc

Date: 13 August 2019

Call for results over the phone
513-523-3605

Sample Analysis Results Bid Sample Received 7 August 2019

Parameter

Wt% NaOCl	11.48	
Wt% Available Chlorine	10.93	
GPL Available Chlorine	127	
Trade %	12.7	
Wt% NaOH	0.310	
Calculated pH	13.0	
Wt% Na ₂ CO ₃	0.091	
Density, g/mL	1.1631	
Filter Test (1,000 mL)	1 min 01 sec (Millipore 0.8 uM, type AWWP)	
Bromate ion, mg/L	<5	DL = 5 mg/L
Chlorate ion, mg/L	584	DL = 100 mg/L
Perchlorate ion, mg/L	<5	DL = 5 mg/L
Iron, mg/L	0.04	DL = 0.02 mg/L
Copper, mg/L	<0.02	DL = 0.02 mg/L
Nickel, mg/L	<0.02	DL = 0.02 mg/L

Signed: *B.P. Bubnis*

B.P. Bubnis

Date: *13 August 2019*



3901 NW 115 Avenue
Miami, Florida 33178
305-888-2623 office
305-463-8369 fax

REFERENCES
SODIUM HYPOCHLORITE

MIAMI DADE WATER & SEWER
700 WEST 2ND AVE.
HIALEAH, FL 33011
JON HANSEN
786-229-0701/ CELL
305-805-1620 FAX
JEHAN@MIAMIDADE.GOV

CITY OF NEW PORT RICHEY
4730 N. MAIN STREET
NEW PORT RICHEY, FL 34652
ROGER GODDWIN
OPERATIONS MANAGER
727-841-4568
GOODWINR@CITYOFNEWPORTRICHEY.ORG

CITY OF FT. MYERS
HEATH LAUFENBERG
PLANT SUPERINTENDENT
1501 RALEIGH STREET
FORT MYERS, FL 33902
239-321-7574
HLAUFENBERG@CITYFTMYERS.COM

CITY OF SUNRISE
14100 SW 8 STREET
SUNRISE, FL 33325
DOUGH KERWIN
CHIEF OPERATOR OF UTILITIES ADMINISTRATION
954-846-7400
DKERWIN@SUNRISEFL.GOV

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813-832-4868

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204 SCM Road
Brunswick, GA 31525
912-267-9470

7160 Philips Highway
Jacksonville, FL 32256
904-619-6180



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REFERENCES
CALCIUM HYPOCHLORITE

TARPON SPRINGS
201 E. PINE ST.
TARPON SPRINGS, FL 34689
ROB MARCINCUK
727-942-5616
RMARCINCUK@CTSFL.US

CITY OF NORTH MIAMI
776 NE 125 ST
NORTH MIAMI, FL 33161
MICHELLE EVERSON
305-895-9837
MEVERSON@NORTHMIAMIFL.GOV

CITY OF ALBANY, GA
2726 JOSHUA STREET
ALBANY GA 31701
ANDY GRIFFIS
229-302-1786
AGRIFFIS@ALBANYGA.GOV

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Ranger, GA 30734
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August 22, 2019

This is to advise that per Allied Universal Corporations records, there are no cancelled or terminated bleach bids for the past 5 years:

Cristhianne Munguia
Bid Coordinator

/cm

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Safety Incidents (Last Five Years)

Allied Universal Corporation

- 1-12-16 Employee failed to secure drum fill hosing for disconnection properly, resulting in sulfuric acid residue draining from hose and onto his left forearm.
- 10-30-15 Employee was checking pressure on the caustic car when there was a failure in the bleach hose that comes from railcar to the storage tank, which caused minor chemical abrasion to eye.

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 Miami, Florida 33178
 305-888-2623 office
 305-885-4671 fax

**NATIONAL RESPONSE CENTER NOTIFICATIONS FOR PREVIOUS FIVE YEARS
 FOR SIX U.S. OPEARATING PLANTS AND ONE U.S. TERMINAL**

DATE	LOCATION	RQ	DESCRIPTION
01/12/15	Chemical Distributor Florida	Yes	Unloaded sodium hypochlorite into incorrect tank
1/29/16	Ranger, GA	No	Leak in secondary bleach containment caused bleach residue to reach the soil outside the gate of the containment.
1/13/17	Ranger, GA	Yes	Sodium Hydroxide leak due to failure to shut off the railcar at spot 5 where faulty valve initially appeared.

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 305-888-2623

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 Brunswick, GA 31525
 912-267-9470

7160 Philips Highway
 Jacksonville, FL 32256
 904-438-4976

MICRO PRINT SIGNATURE LINE SHOWS UP UNDER MAGNIFICATION

2019000441

2018-2019
LOCAL BUSINESS TAX RECEIPT

CITY OF DORAL, FLORIDA

8401 Northwest 53rd Terrace

Doral, Florida 33166

(305) 593-6631

MACHINES:

SEATS:

STATE LIC.#

EMPLOYEES:

LICENSE FEE:

35

\$60.00

2130PE OPERATION CENTER

FOR THE PERIOD COMMENCING OCTOBER 1, 2018
AND ENDING SEPTEMBER 30, 2019 LICENSED TO
ENGAGE IN THE FOLLOWING BUSINESS:

Business Name: **ALLIED UNIVERSAL CORP**

DBA:

3901 NW 115TH AVE

Address:

DORAL, FL 33178

Conditions:



Joseph H.
Chief Licensing Official

8401 NW 53rd Terrace, Doral, Florida 33166 • www.cityofdoral.com • 305-593-6631 • Fax 305-593-6616

ARTIFICIAL WATERMARK SCREENED ONTO BACK OF DOCUMENT

