

# NOTICE

**ADDENDUM NO. ONE (1)**

**OCTOBER 10, 2018**

**CITY OF RIVIERA BEACH UTILITY SPECIAL DISTRICT  
BID NO 18-121  
CHLORINE GAS**

**TO ALL PROPOSERS ON THE ABOVE PROJECT: PLEASE NOTE CONTENTS HEREIN AND AFFIX (PASTE OR STAPLE) TO PROPOSAL DOCUMENTS YOU HAVE ON HAND.**

The following statements supersede and supplant corresponding items in the above subject proposal as follows:

**GENERAL:**

- I. CHANGE THE SOLICITATION OPENING TO OCTOBER 23, 2018 @ 11:00 A.M. FROM OCTOBER 16, 2018 @ 11:00 A.M.**

**SPECIFICATION:**

**NOTICE**

It will be required that Addendum No. 1 be signed in acknowledgment of receipt and that it be attached to the proposal when same is submitted at 11:00 a.m., Tuesday, October 23, 2018 at the Office of the City Clerk, 600 W. Blue Heron Boulevard, Suite 140 Riviera Beach, Florida. For information on this solicitation, please contact:

City of Riviera Beach Utility Special District Procurement Division  
600 West Blue Heron Blvd.  
Riviera Beach, FL 33404  
(561) 845-4082  
(561) 840-7292 - fax

Allied Universal Corporation  
NAME OF COMPANY

  
BIDDER'S SIGNATURE

DATE: 10-10-18

# CITY OF RIVIERA BEACH UTILITY SPECIAL DISTRICT

## INVITATION TO BID



**BID No. 18-121**

Event	Date
<b>BID TITLE</b>	<b>CHLORINE GAS</b>
<b>BID NUMBER</b>	18-121
<b>DATE BID ISSUED</b>	09/30/2018
<b>BID DUE DATE</b>	<b>10/16/2018 @ 11 A.M.</b>
<b>PRE-BID MEETING - SITE VISIT</b>	N/A
<b>DUE DATE FOR BIDDER QUESTIONS</b>	Until five (5) days prior to the submittal date
<b>PROPOSED AWARD DATE</b>	November, 2018
<b>START DATE</b>	November, 2018
<b>BID CONTACT</b>	Pamela Daley, MBA, CPPT Senior Procurement Specialist pdaley@rivierabch.com
<b>CONTRACT DURATION</b>	2 years
<b>CONTRACT RENEWAL</b>	1 twenty-four-month term
<b>PRICES GOOD FOR</b>	Term of contract-2 years
<b>BID COMMENTS:</b>	
<b>NO PHONE INQUIRIES WILL BE ACCEPTED. ALL CORRESPONDENCE SHALL BE DIRECTED TO THE CONTACT LISTED ABOVE</b>	

SUBMIT BID TO:

CITY OF RIVIERA BEACH OFFICE OF THE CITY CLERK  
600 W. BLUE HERON BLVD., SUITE 140  
RIVIERA BEACH, FL 33404  
(561) 845-4090

# CITY OF RIVIERA BEACH UTILITY SPECIAL DISTRICT

## INVITATION TO BID



### GENERAL CONDITIONS –

THESE INSTRUCTIONS ARE STANDARD FOR ALL CONTRACTS FOR COMMODITIES/SERVICES ISSUED BY THE CITY OF RIVIERA BEACH. THE CITY OF RIVIERA BEACH MAY DELETE, SUPERSEDE OR MODIFY ANY OF THESE STANDARD INSTRUCTIONS FOR A PARTICULAR CONTRACT BY INDICATING SUCH CHANGE IN THE SPECIAL INSTRUCTIONS TO BIDDERS OR IN THE BID SHEETS. BY ACCEPTANCE OF A PURCHASE ORDER ISSUED BY THE CITY, BIDDER AGREES THAT THE PROVISIONS INCLUDED WITHIN THIS INVITATION FOR BID SHALL PREVAIL OVER ANY CONFLICTING PROVISION WITHIN ANY STANDARD FORM CONTRACT OF THE BIDDER REGARDLESS OF ANY LANGUAGE IN BIDDER'S CONTRACT TO THE CONTRARY.

<b>BID TITLE</b>	<b>CHLORINE GAS</b>
<b>BID NUMBER</b>	<b>18-121</b>
<b>BID DUE DATE</b>	<b>10/16/2018 @ 11 A.M.</b>

BIDDER/COMPANY NAME Allied Universal Corporation

CONTACT PERSON Cristhianne Munguia, Bid Coordinator

BIDDER ADDRESS 3901 NW 115 Avenue., Miami, FL 33178

BIDDER EMAIL Bids@allieduniversal.com

BIDDER PHONE # 305-888-2623

BIDDER FAX # 786-522-0215

FEDERAL EMPLOYER I.D. or SOCIAL SECURITY NUMBER 59 0776285

DUN & BRADSTREET NUMBER 004134623

**TOTAL BID AMOUNT** \$ 92,380.00

**IF BID EXCEEDS 100,000, BIDDER MUST PROVIDE BID BOND OR CASHIERS CHECK IN THE AMOUNT OF 5% OF BID OR BID WILL BE REJECTED** \$ 5,000.00

### BIDDER ACKNOWLEDGEMENT MUST BE SIGNED AND RETURNED WITH YOUR BID

**SEALED BIDS:** This form must be executed and submitted with all bid sheets in a sealed envelope. (DO NOT INCLUDE MORE THAN ONE BID PER ENVELOPE). The face of the envelope shall contain the above address, the date and the time of bid opening, and bid number. Bids not submitted on attached bid form may be rejected. All bids are subjected to the conditions specified herein. Those which do not comply with these conditions are subject to rejection.

I certify that this bid is made without prior understanding, agreement, or connection with any corporation, firm or person submitting a bid for the same items/services, and is in all respects fair and without collusion or fraud, I agree to abide by all conditions of this bid and certify that I am authorized to sign this bid for the bidder. Further by signature of this form, pages 2 through 9 are acknowledged and accepted as well as any special instruction sheet(s) if AUTHORIZED SIGNATURE (original in blue-ink)

**Cristhianne Munguia Bid Coordinator**

TYPED NAME OF SIGNER      TITLE  
 BID 18-121 UD

## BID CHECKLIST

Bidders are expected to examine this bid form, attached drawings, specifications, if any, and all instructions. Failure to do so will be at the Bidder's risk.

All prices and notations must be in ink or typewritten. No erasure permitted. Mistakes may be crossed out and corrections typed adjacent and must be initialed and dated in ink by the person signing the bid. All bids must be signed with the firm name and by a responsible officer or employee. Obligations assumed by such signature must be fulfilled.

Each bidder shall furnish the information required on the bid form and each accompanying sheet thereof on which he or she makes an entry.

Unit price for each unit bid shall be shown. A total shall be entered in the amount column for each bid. In case of discrepancy between a unit price and extended price, the unit prices represented will presume to be correct.

Although the City generally awards based on a "lump sum" basis to the bidder submitting the lowest, most responsive and responsible total bid as shown on the Invitation to Bid cover page, the City may choose to award on a "per group" or "per item" basis. Therefore, bidders must submit with their bids, all pricing pages on the forms provided clearly indicating which items are bid and which are not. Failure to submit these pages will render such bid non-responsive.

### Bid Check List:

Bidders are cautioned to please check their bid very carefully, using the following check list:

- |          |  |
|----------|--|
| <u>✓</u> | Bidder's Certification Page Signed and Notarized   |
| <u>✓</u> | Invitation to Bid Cost Proposal, including Unit Price and Total price completed.<br>Total Amount of Bid Entered on Invitation to Bid Cover Sheet.  |
| <u>✓</u> | Similar Project Form   |
| <u>✓</u> | All required forms   |
| <u>✓</u> | Bid Envelope prepared as specified   |
| <u>✓</u> | It is the bidder's responsibility to contact the Procurement Department prior to submitting a bid to ascertain if any addenda have been issued, to obtain such addenda and return executed addenda with the bid. |



CITY OF RIVIERA BEACH OFFICE OF CITY CLERK

600 WEST BLUE HERON BLVD, SUITE 140  
Riviera Beach, Florida 33404 Phone (561) 845-4180

BID #18-121 UD

**PLANHOLDER INFORMATION SHEET**

Please complete and EMAIL this document to  
PDALAY@RIVIERABCH.COM in the Utility Special District.  
Your information will be added to the current plan holder list  
and help to insure receipt of changes or additional  
information.

Contact Person Cristhianne Munguia

Business Name Allied Universal Corporation

Business Address 3901 NW 115 Avenue

Business City, State, Zip Miami, FL 33178

Email Address: Bids@Allieduniversal.com

Business Phone # 305-888-2623 Business Fax # 786-522-0215

REQUEST FOR INFORMATION FORM

**ALL** QUESTIONS PERTAINING TO THIS SOLICITATION **MUST** BE SUBMITTED IN WRITING.

(PLEASE EMAIL TO PAMELA DALEY [PDALEY@RIVIERABCH.COM] WE WILL RESPOND AS SOON AS POSSIBLE.)

**BID # 18-121 UD**

Date: 10/10/18

Contact Person Cristhianne Munguia

Business Name Allied Universal Corporation

Business Address 3901 NW 115 Avenue

Business City, State, Zip Miami, FL 33178

Fax No.: 786-522-0215

Office No: 305-888-2623 Ext. 0125

Per Addendum No. One (1) received today 10/10/18, under General I. Change, the

Solicitation Opening to October 10, 2018 @ 11:00 A.M. from October 16, 2018 @ 11:00 A.M

This would mean the Bid is now closed.

Under the Notice section, it requires the Addendum to be submitted by 11:00 am., Tuesday October 23, 2018.

Please confirm which of the two is the actual due date.

---

---

---

---

---

---

---

---

---

---

**ATTACHMENT "A"**

**REQUIRED FORMS**

IN ADDITION TO THE INVITATION TO BID COVER PAGE, THE FORMS LISTED BELOW ARE TO BE COMPLETED AND SUBMITTED WITH YOUR BID.

- 1) ***BIDDER'S CERTIFICATION***
- 2) ***SIMILAR PROJECT FORM***
- 3) ***STATEMENT FROM SURETY***
- 4) ***ADDENDUM PAGE***
- 5) ***REFERENCES***
- 6) ***DRUG FREE WORKPLACE***
- 7) ***PUBLIC ENTITY CRIMES STATEMENT***
- 8) ***SCHEDULE 1 – PARTICIPATION FOR SMALL BUSINESS ENTERPRISES***
- 9) ***SCHEDULE 2 – LETTER OF INTENT TO PERFORM AS A SMALL BUSINESS SUB- CONTRACTORS***
- 10) ***SCHEDULE 3- LOCAL BUSINESS PARTICIPATION***
- 11) ***SCHEDULE 4- LETTER OF INTENT TO PERFORM AS A LOCAL BUSINESS***
- 12) ***STATEMENT OF NO BID***
- 13) ***BID BOND***
- 14) ***BID COST PROPOSAL SHEET***

**NOTE:** PLEASE ENSURE THAT ALL OF THESE DOCUMENTS ARE COMPLETED AND SUBMITTED WITH YOUR BID IN ACCORDANCE WITH THE INSTRUCTION SHEET ON THE PRECEDING PAGE. FAILURE TO DO SO MAY RESULT IN YOUR BID NOT BEING CONSIDERED FOR AWARD.

IT IS THE BIDDER'S RESPONSIBILITY TO CONTACT THE PROCUREMENT DEPARTMENT PRIOR TO SUBMITTING A BID TO ASCERTAIN IF ANY ADDENDA HAVE BEEN ISSUED, TO OBTAIN ANY AND ALL SUCH ADDENDA AND RETURN EXECUTED ADDENDA WITH THIS BID.

**BIDDER'S CERTIFICATION**

I have carefully examined the Invitation to Bid, Instructions to Bidders, General and/or Special Conditions, Specifications, Bid Proposal and any other documents accompanying or made a part of this invitation.

I hereby propose to furnish the goods or services specified in the Invitation to Bid at the prices or rates quoted in my bid. I agree that my bid will remain firm for a period of up to ninety (90) days in order to allow the City adequate time to evaluate the bids. Furthermore, I agree to abide by all conditions of the bid.

I certify that all information contained in this bid is truthful to the best of my knowledge and belief. I further certify that I am duly authorized to submit this bid on behalf of the vendor / contractor as its act and deed and that the vendor / contractor is ready, willing and able to perform if awarded the bid.

I further certify that this bid is made without prior understanding, agreement, connection, discussion, or collusion with any person, firm or corporation submitting a bid for the same product or service; no officer, employee or agent of the CITY OF RIVIERA BEACH or of any other bidder interested in said bid; and that the undersigned executed this Bidder's Certification with full knowledge and understanding of the matters therein contained and was duly authorized to do so.

Allied Universal Corporation  
NAME OF BUSINESS

Bids@Allieduniversal.com  
E-MAIL ADDRESS

BY:



SIGNATURE OF AUTHORIZED OFFICER

Sworn to and subscribed before me this 17th  
day of October, 2018.

Cristhianne Munguia, Bid Coordinator

PRINTED NAME AND TITLE

3901 NW 115 Avenue  
MAILING ADDRESS

Miami, FL 33178  
CITY, STATE, ZIP CODE

305-888-2623  
TELEPHONE NUMBER

786-522-0215  
FAX NUMBER



SIGNATURE OF NOTARY

MY COMMISSION EXPIRES: 6/22/22

PERSONALLY KNOWN

OR PRODUCED

IDENTIFICATION \_\_\_\_\_

TYPE: \_\_\_\_\_



**GILDA FAIR**  
Commission # GG 198125  
Expires June 22, 2022  
Bonded thru Budget Notary Services



SIMILAR PROJECT FORM

ROAD CONSTRUCTION Location:	SAMPLE	XXX MY STREET, SOMEWHERE, FL 99999
Owner Contact Information:	-----	
Owner Name:	Someone Brown	
Phone Number:	555-555-5555	
Email Address:	someonebrown@email.com	

Sign Location:	Miami Dade Water & Sewer	
Owner Contact Information:	Superintendent-----	
Owner Name:	Ed Turner	
Phone Number:	786-229-0701	
Email Address:	Jturn@miamidade.gov	

...  
Picture of Installation of ROAD CONSTRUCTION

N/A, this Bid No. 18-121 is not a Custruction bid.

**BID BOND**

KNOW ALL MEN BY THESE PRESENTS, that we ALLIED UNIVERSAL CORPORATION

as Principal, hereinafter called the Principal, and WESTCHESTER FIRE INSURANCE COMPANY

a corporation duly organized under the laws of the State of Florida as Surety, hereinafter called the Surety, are held and firmly bound unto City of Riviera Beach, 600 W. Blue Heron Blvd, Riviera Beach, FL 33404

as Oblige, hereinafter called the Oblige, in the sum of Five Thousand and 00/100 (\$5,000.00) -----

for the payment of which sum well and truly to be made, the said Principal and the said Surety, bind ourselves, our heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

WHEREAS, the said Principal has submitted a bid for

CHLORINE GAS - BID NO. 18-121 (project)

NOW, THEREFORE, if the Oblige shall accept the bid of the principal and the Principal shall enter into a Contract with Oblige in accordance with the terms of such bid, and give such insurance and bond or bonds as may be specified in the IFB or Contract Documents with good and sufficient surety for the faithful performance of such Contract and for the prompt payment of labor and material furnished in the prosecution thereof, or in the event of the failure of the Principal to enter such Contract and give such bond or bonds, the Principal shall pay to the Oblige the difference not to exceed the penalty hereof between the amount specified in said bid and such larger amount for which the Oblige may in good faith contract with another party to perform the Work covered by said bid, then this obligation shall be null and void, otherwise to remain in full force and effect.

Signed and sealed this 16th day of October, 20 18.

Witnesses:

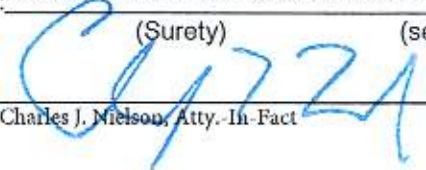
  
\_\_\_\_\_

ALLIED UNIVERSAL CORPORATION

Principal \_\_\_\_\_ (seal)

By:   
Bid Coordinator  
(Title)

For: WESTCHESTER FIRE INSURANCE COMPANY  
(Surety) (seal)

By:   
Charles J. Nelson, Atty.-In-Fact

**BID COST PROPOSAL SHEET**  
*(To Be Completed by the Submitter)*  
**INVITATION FOR BID # 18-121**

**ALL BIDS SHALL REMAIN VALID FOR 120 DAYS AFTER BID OPENING**

<b>BID TITLE</b>	CHLORINE GAS
<b>BID NUMBER</b>	18-121
<b>BID DUE DATE</b>	10/16/2018 @ 11 A.M.
<b>COMPANY NAME</b>	Allied Universal Corporation
<b>EMAIL ADDRESS</b>	Bids@Allieduniversal.com
<b>TAX ID</b>	59 0776285
<b>LOCATIONS FOR GAS CHLORINE CYLINDERS</b>	WATER PLANT AND AVENUE "C" REPUMP STATION
<b>LOCATION OF SODIUM HYPOCHLORITE</b>	AVENUE "U" REPUMP STATION

**BID COST PROPOSAL**

Estimated amounts are for two years terms

<b>140 [1] TON CYLINDERS OF GAS CHLORINE</b>  Chlorine shall be 100% pure by volume, free of iron, meeting the specifications of AWWA B301-92 or latest revision of standard, supplied and shipped in one ton cylinders	\$608.00/Ton  <b>\$85,120.00</b> ✓
<b>25 [150] POUND CHLORINE CYLINDERS OF GAS CHLORINE</b>  Chlorine shall be 100% pure by volume, free of iron, meeting the specifications of AWWA B301-92 or latest revision of standard, supplied and shipped in one-hundred-fifty (150) pound cylinder.	\$78.00/cyl  <b>\$1,950.00</b> ✓
<b>45 [55] GALLON DRUMS - OF 12.5% LIQUID SODIUM HYPOCHLORITE</b>  Liquid Sodium Hypochlorite shall contain not less than 85% available chlorine by weight when shipped, meeting the specifications of AWWA B300-99 or latest revision of standard, to be furnished in liquid form, supplied and shipped in one hundred (150) pound cylinders	\$118.00/dr  <b>\$5,310.00</b> ✓ Minimum 4 drums per delivery
<b>BID TOTAL</b>	<b>\$92,380.00</b> ✓

**BID ITEMS**

\*Quantities and/or amounts stated below are for bidders' guidance only and no guarantee is given or implied as to quantities that will be used during this contract.

\*Note Vendor markup must be without any taxes. For example, a vendor cannot add taxes and then take the total and apply their markup. The City of Riviera Beach will not pay invoices with markups applied on taxes.

\*The award shall be to the responsive and responsible low bidder meeting the written specifications.

  
SIGNATURE

October 17, 2018

DATE

# Power of Attorney

## WESTCHESTER FIRE INSURANCE COMPANY

Know all men by these presents: That WESTCHESTER FIRE INSURANCE COMPANY, a corporation of the Commonwealth of Pennsylvania pursuant to the following Resolution, adopted by the Board of Directors of the said Company on December 11, 2006, to wit:

"RESOLVED, that the following authorizations relate to the execution, for and on behalf of the Company, of bonds, undertakings, recognizances, contracts and other written commitments of the Company entered into the ordinary course of business (each a "Written Commitment"):

- (1) Each of the Chairman, the President and the Vice Presidents of the Company is hereby authorized to execute any Written Commitment for and on behalf of the Company, under the seal of the Company or otherwise.
- (2) Each duly appointed attorney-in-fact of the Company is hereby authorized to execute any Written Commitment for and on behalf of the Company, under the seal of the Company or otherwise, to the extent that such action is authorized by the grant of powers provided for in such persons written appointment as such attorney-in-fact.
- (3) Each of the Chairman, the President and the Vice Presidents of the Company is hereby authorized, for and on behalf of the Company, to appoint in writing any person the attorney-in-fact of the Company with full power and authority to execute, for and on behalf of the Company, under the seal of the Company or otherwise, such Written Commitments of the Company as may be specified in such written appointment, which specification may be by general type or class of Written Commitments or by specification of one or more particular Written Commitments.
- (4) Each of the Chairman, the President and Vice Presidents of the Company is hereby authorized, for and on behalf of the Company, to delegate in writing any other officer of the Company the authority to execute, for and on behalf of the Company, under the Company's seal or otherwise, such Written Commitments of the Company as are specified in such written delegation, which specification may be by general type or class of Written Commitments or by specification of one or more particular Written Commitments.
- (5) The signature of any officer or other person executing any Written Commitment or appointment or delegation pursuant to this Resolution, and the seal of the Company, may be affixed by facsimile on such Written Commitment or written appointment or delegation.

FURTHER RESOLVED, that the foregoing Resolution shall not be deemed to be an exclusive statement of the powers and authority of officers, employees and other persons to act for and on behalf of the Company, and such Resolution shall not limit or otherwise affect the exercise of any such power or authority otherwise validly granted or vested.

Does hereby nominate, constitute and appoint Charles D Nielson, Charles J Nielson, David R Hoover, Don Bramlage, Edward M Clark, Ian A Nipper, Joseph P Nielson, Kevin R Wojtowicz, Laura D Mosholder all of the City of MIAMI LAKES, Florida, each individually if there be more than one named, its true and lawful attorney-in-fact, to make, execute, seal and deliver on its behalf, and as its act and deed any and all bonds, undertakings, recognizances, contracts and other writings in the nature thereof in penalties not exceeding TEN MILLION DOLLARS & ZERO CENTS (\$10,000,000.00) and the execution of such writings in pursuance of these presents shall be as binding upon said Company, as fully and amply as if they had been duly executed and acknowledged by the regularly elected officers of the Company at its principal office.

IN WITNESS WHEREOF, the said Stephen M. Haney, Vice-President, has hereunto subscribed his name and affixed the Corporate seal of the said WESTCHESTER FIRE INSURANCE COMPANY this 8 day of March 2018



WESTCHESTER FIRE INSURANCE COMPANY

*Stephen M. Haney*

Stephen M. Haney, Vice President

COMMONWEALTH OF PENNSYLVANIA  
COUNTY OF PHILADELPHIA ss.

On this 8 day of March, 2018 before me, a Notary Public of the Commonwealth of Pennsylvania in and for the County of Philadelphia came Stephen M. Haney, Vice-President of the WESTCHESTER FIRE INSURANCE COMPANY to me personally known to be the individual and officer who executed the preceding instrument, and he acknowledged that he executed the same, and that the seal affixed to the preceding instrument is the corporate seal of said Company; that the said corporate seal and his signature were duly affixed by the authority and direction of the said corporation, and that Resolution, adopted by the Board of Directors of said Company, referred to in the preceding instrument, is now in force.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my official seal at the City of Philadelphia the day and year first above written.



COMMONWEALTH OF PENNSYLVANIA  
NOTARIAL SEAL  
KAREN E. BRANDT, Notary Public  
City of Philadelphia, Phila. County  
My Commission Expires Sept. 26, 2018

*Karen E. Brandt*  
Notary Public

I, the undersigned Assistant Secretary of the WESTCHESTER FIRE INSURANCE COMPANY, do hereby certify that the original POWER OF ATTORNEY, of which the foregoing is a substantially true and correct copy, is in full force and effect.

In witness whereof, I have hereunto subscribed my name as Assistant Secretary, and affixed the corporate seal of the Corporation, this 16th day of October, 2018



*Dawn M. Chloros*  
Dawn M. Chloros, Assistant Secretary



### STATEMENT FROM SURETY

Attach a letter of intent from a surety company indicating the applicant's ability to be bonded for projects up to \$1,000,000. The surety company must be licensed to do business in the State of Florida, must have an A.M. best rating of "A", and a required financial size of "VII". Firms selected shall maintain, during the life of the contract, workman's compensation, architect's commercial liability coverage, and automobile liability for company vehicles.

Note: The City reserves the right to use all information provided in determining responsibility of vendor, as well as any other information the City may obtain through any means that bears on the issue of responsibility.

**ADDENDUM PAGE**

The undersigned acknowledges receipt of the following addenda to the Invitation to Bid (indicate number and date of each):

Addendum No. One (1) Dated October 10, 2018

Addendum No. \_\_\_\_\_ Dated \_\_\_\_\_

Addendum No. \_\_\_\_\_ Dated \_\_\_\_\_

Addendum No. \_\_\_\_\_ Dated \_\_\_\_\_

**FAILURE TO SUBMIT ACKNOWLEDGEMENT OF ANY ADDENDUM THAT AFFECTS THE BID PRICES IS CONSIDERED A MAJOR IRREGULARITY AND WILL BE CAUSE FOR REJECTION OF THE BID.**

Allied Universal Corporation  
COMPANY

SIGNATURE 

TITLE  
Cristhianne Munguia, Bid Coordinator

**REFERENCES**

Bidder shall submit as a part of the proposal package four (4) business references with the name of the business, address, contact person, and telephone number. **(At least two (2) references should be a local, county, state, or federal entity.)**

**Additionally, contractors should submit a copy of their professional license as required by paragraph 37 of the General Terms and Conditions of the IFB.**

Name: MIAMI DADE WATER & SEWER Name: CITY OF FT. MYERS  
Address: 700 WEST 2ND AVE.,, HIALEAH, FL 33011 Address: 1501 RALEIGH STREET  
FORT MYERS, FL 33902  
Tel. No.: 786-229-0701 Tel. No.: 239-321-7574  
Fax No.: 305-805-1620 Fax No.: \_\_\_\_\_  
Email: JTURN@MIAMIDADE.GOV Email: HLAUFENBERG@CITYFTMYERS.COM  
Contact: ED TURNER Contact: HEATH LAUFENBERG

Name: CITY OF NEW PORT RICHEY Name: CITY OF SUNRISE  
Address: 4730 N. MAIN STREET Address: 14100 SW 8 STREET  
NEW PORT RICHEY, FL 34652 SUNRISE, FL 33325  
Tel. No.: 727-841-4568 Tel. No.: 954-846-7400  
Fax No: \_\_\_\_\_ Fax No.: \_\_\_\_\_  
Email: GOODWINR@CITYOFNEWPORTRICHEY.ORG Email: DKERWIN@SUNRISEFL.GOV  
Contact: ROGER GODDWIN Contact: DOUGH KERWIN

**FAILURE TO SUBMIT WITH BID PACKAGE WILL MAKE BIDDER NON RESPONSIVE**

**DRUG FREE WORKPLACE**

Preference shall be given to businesses with drug-free workplace programs. Whenever two or more bids which are equal with respect to price, quality, and service are received by the State or by any political subdivision for the procurement of commodities or contractual services, a bid received from a business that certifies that it has implemented a drug-free workplace program shall be given preference in the award process. Established procedures for processing tie bids will be followed if none of the tied vendors have a drug-free workplace program. In order to have a drug-free workplace program, a business shall:

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 form complies fully with the above requirements.

THIS CERTIFICATION is submitted by Cristhianne Munguia the  
 (INDIVIDUAL'S NAME)

Bid Coordinator of Allied Universal Corporation  
 (TITLE/POSITION) (NAME OF COMPANY/VENDOR)

who does hereby certify that said Company/Vendor has implemented a drug free workplace program which meets the requirements of Section 287.087, Florida Statutes, which are identified in numbers (1) through (6) above.

  
 \_\_\_\_\_  
 SIGNATURE

October 17, 2018  
 \_\_\_\_\_  
 DATE



**CITY OF RIVIERA BEACH NOTIFICATION OF PUBLIC ENTITY CRIMES LAW**

Pursuant to Section 287.133, Florida Statutes (1995), you are hereby notified that 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 or services to a public entity, may not submit a bid on a contract with a public entity for the construction or repair of a public building or public work, may not submit bids on leases or 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 s. 287.017 [F.S.] for CATEGORY TWO [\$35,000.00] for a period of 36 months from the date of being placed on the convicted vendor list.

Acknowledged by:

Allied Universal Corporation

Firm Name



Signature

Cristhianne Munguia, Bid Coordinator

Name & Title (Print or Type)

SCHEDULE 1

PARTICIPATION FOR SBE CONTRACTORS/PROPOSERS

N/A

BID/RFP TITLE: Chlorine Gas

BID NUMBER: 18-121

NAME OF PRIME BIDDER: Allied Universal Corporation

BID OPENING DATE: 10-23-18

CONTACT PERSON: Cristhianne Munguia

TELEPHONE NO. 305-888-2623 DEPARTMENT: Bids

CONTRACT AMOUNT - SBE

NAME, ADDRESS & TELEPHONE  
NUMBER OF SBE CONTRACTOR

TYPE & DESCRIPTION OF  
WORK TO BE PERFORMED

CERTIFICATION

PALM BEACH COUNTY STATE OTHER

PALM BEACH COUNTY STATE OTHER

PALM BEACH COUNTY STATE OTHER

PALM BEACH COUNTY STATE OTHER

PALM BEACH COUNTY STATE OTHER

TO BE COMPLETED BY PRIME BIDDER:

BID/RFP PRICE: \$92,380.00

TOTAL % PARTICIPATION:

SCHEDULE 2

BID NUMBER: 18-121

LIAISON: \_\_\_\_\_

LETTER OF INTENT TO PERFORM AS A SMALL BUSINESS ENTERPRISE

N/A

TO: Allied Universal Corporation  
(NAME OF PRIME BIDDER)

The undersigned intends to perform work in connection with the above BID as (Check one):

\_\_\_\_\_ a individual  a corporation \_\_\_\_\_ a partnership \_\_\_\_\_ a joint venture  
\_\_\_\_\_ The undersigned is certified as a SBE.

The undersigned is prepared to perform the following described work in connection with the above project (specify in detail particular work items or parts thereof to be performed):

as the following price: \$ \_\_\_\_\_  
(Amount must match subcontractor's quote)

You have projected the following commencement date of such work, and the undersigned is projecting completion of such work as follows:

<u>Items</u>	<u>Projected Commencement Date</u>	<u>Projected Completion Date</u>

0 % of the dollar value of the subcontract will be sublet and/or awarded to non-minority contractors and/or non-minority suppliers. The undersigned will enter into a formal agreement for the work with you, conditioned upon your execution of a contract with the City of Riviera Beach.

\_\_\_\_\_  
(NAME OF SMALL BUSINESS ENTERPRISE CONTRACTOR)

DATE: \_\_\_\_\_  
BY: \_\_\_\_\_  
(SIGNATURE OF SMALL BUSINESS ENTERPRISE CONTRACTOR)

SCHEDULE 3 N/A We do not use Subcontractors

**PARTICIPATION FOR LOCAL BUSINESSES AS SUB-CONTRACTOR AT LEAST 25%**

BID TITLE: Chlorine Gas

BID NUMBER: 18-121

NAME OF PRIME BIDDER: Allied Universal Corporation

BID OPENING DATE: 10-23-18

CONTACT PERSON: Cristhianne Munguia

TELEPHONE NO. 305-888-2623

DEPARTMENT: Bids

**CONTRACT AMOUNT - LOCAL BUSINESSES**

NAME, ADDRESS & TELEPHONE NUMBER OF LOCAL CONTRACTOR	TYPE & DESCRIPTION OF WORK TO BE PERFORMED	% TO BE PERFORMED BY LOCAL BUSINESS	ESTIMATED DOLLAR VALUE
1. _____	_____	% _____	\$ _____
2. _____	_____	% _____	\$ _____
3. _____	_____	% _____	\$ _____
4. _____	_____	% _____	\$ _____
5. _____	_____	% _____	\$ _____
TOTAL:		% _____	\$ _____

TO BE COMPLETED BY PRIME BIDDER:

BID PRICE: \$ 92,380.00

TOTAL % PARTICIPATION: \_\_\_\_\_

Riviera Beach Procurement Department

Bid # 18-121 UD

SCHEDULE 4

BID NUMBER: 18-121

LIAISON: \_\_\_\_\_

LETTER OF INTENT TO PERFORM AS A LOCAL BUSINESS

TO: Allied Universal Corporation  
(NAME OF PRIME BIDDER)

The undersigned intends to perform work in connection with the above BID as (Check one):

\_\_\_ a individual  a corporation \_\_\_ a partnership \_\_\_ a joint venture  
\_\_\_ The undersigned is a qualified Local Business.

The undersigned is prepared to perform the following described work in connection with the above project (specify in detail particular work items or parts thereof to be performed):  
Supply and delivery of Chlorine Gas and Sodium Hypochlorite

as the following price: \$ 92,380.00  
(Amount must match subcontractor's quote)

You have projected the following commencement date of such work, and the undersigned is projecting completion of such work as follows:

Items	Projected Commencement Date	Projected Completion Date

We do not use Subcontractors

0 % of the dollar value of the subcontract will be sublet and/or awarded to local contractors and/or local suppliers. The undersigned will enter into a formal agreement for the work with you, conditioned upon your execution of a contract with the City of Riviera Beach.

Allied Universal Corporation

(NAME OF LOCAL CONTRACTOR)

BY:   
(SIGNATURE OF LOCAL CONTRACTOR)

DATE: October 17, 2018

**STATEMENT OF NO BID**

**BID NO. # 18-121 UD**

If you are not bidding on this service/commodity, please complete this form and return to: City of Riviera Beach Procurement Department, 2051 Dr. Martin Luther King Blvd. Suite #310, Riviera Beach, Florida 33404.

Failure to respond may result in deletion of vendor's name from the qualified bidder's list for the City of Riviera Beach.

**COMPANY NAME:** \_\_\_\_\_

**MINORITY OWNED BUSINESSES**

**ADDRESS:** \_\_\_\_\_

- BLACK
- HISPANIC
- WOMEN

**TELEPHONE:** \_\_\_\_\_

**SIGNATURE:** \_\_\_\_\_

**DATE:** \_\_\_\_\_

We the undersigned have declined to bid on your Bid No. \_\_\_\_\_ for \_\_\_\_\_ because of the following reasons:  
(Service/Commodity)

\_\_\_\_\_ SPECIFICATIONS TOO "TIGHT", i.e., GEARED TOWARD BRAND OR MANUFACTURER ONLY (EXPLAIN BELOW)

\_\_\_\_\_ INSUFFICIENT TIME TO RESPOND TO THE INVITATION TO BID

\_\_\_\_\_ WE DO NOT OFFER THIS PRODUCT OR AN EQUIVALENT

\_\_\_\_\_ OUR PRODUCT SCHEDULE WOULD NOT PERMIT US TO PERFORM

\_\_\_\_\_ UNABLE TO MEET SPECIFICATIONS

\_\_\_\_\_ SPECIFICATIONS UNCLEAR (EXPLAIN BELOW)

\_\_\_\_\_ OTHER (SPECIFY BELOW)

REMARKS:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_





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 Chlorine Gas to City of Riviera Beach Utility.

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 26<sup>th</sup> day of June 2018.

(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 115 Avenue  
Miami, Florida 33166  
305-888-2623

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

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

2100 Port Road  
West Memphis, AR 72301  
870-732-3107





**NHC** NIELSON, HOOVER & COMPANY, INC.

October 16, 2018

**RE: Allied Universal Holding Corp.**

To Whom It May Concern:

This is to advise you our office provides suretyship for Allied Universal Holding Corp. Their surety is Westchester Fire Insurance Company which carries an A.M. Best Rating of A++ (Superior) - Class XV and is listed in the Department of the Treasury's Federal Register.

Based upon normal and standard underwriting criteria at the time of the request, we should be in a position to provide Performance and Payment Bonds for Allied Universal Holding Corp. in the amount of \$10,000,000 for single projects and \$100,000,000 total aggregate. We obviously reserve the right to review final contractual documents, bond forms and obtain satisfactory evidence of funding prior to final commitment to issue bonds.

Allied Universal Holding Corp. is an excellent contractor and we hold them in high regard. We feel extremely confident in our contractor and encourage you to offer them an opportunity to execute any upcoming projects.

This letter is not an assumption of liability, nor is it a Bid or Performance and Payment Bond. It is issued only as a bonding reference requested by our respected client.

Sincerely,

Nielson, Hoover & Associates

Charles J. Nielson

Attorney-in-Fact and Florida Resident Agent

SMART. UNCOMPROMISING. TIMELY. EFFECTIVE. NIELSON, HOOVER & COMPANY, INC. SURETY SOLUTIONS THAT MAKE A DIFFERENCE



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


**AFFIDAVIT**

This is to certify that as required, all Liquid Chlorine in Rail Cars to be furnished to City of Riviera Beach will comply with applicable ANSI/AWWA B-301-92 Standards and NSF requirements of this Specification or as may be amended.

  
Cristhianne Munguia  
Bid Coordinator

Subscribed and sworn to before me  
This 17th day of October, 2018

Notary Public of the State of Florida.

  
Notary Public



**GILDA FAIR**  
Commission # GG 198125  
Expires June 22, 2022  
Bonded thru Budget Notary Services

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 115 Avenue  
Miami, Florida 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

<b>Product identifier</b>	<b>Chlorine</b>	
<b>Other means of identification</b>		
<b>SDS number</b>	AUC-005	
<b>Synonyms</b>	Liquid Chlorine * Elemental Chlorine * Molecular chlorine * Compressed Chlorine Gas	
<b>Recommended use</b>	Production of chlorinated inorganic and organic chemicals; bleaching agent for paper, textiles and fabrics; used in water purification, sewage disinfection and food processing.	
<b>Recommended restrictions</b>	Professional use only	
<b>Manufacturer/Importer/Supplier/Distributor information</b>		
<b>Manufacturer</b>		
<b>Company name</b>	Allied Universal Corporation	
<b>Address</b>	3901 N.W. 115th Avenue Miami, FL 33178 United States	
<b>Telephone</b>	General:	1-305-888-2623
	24-Hour alert:	1-786-522-0207
<b>Website</b>	www.allieduniversal.com	
<b>E-mail</b>	Not available.	
<b>Contact person</b>	Operations Department	
<b>Emergency phone number</b>	CHEMTREC	1-800-424-9300 (US/Canada) +01 703-527-3887 (International)
<b>Supplier</b>	Refer to Manufacturer	

## 2. Hazard(s) identification

<b>Physical hazards</b>	Oxidizing gases	Category 1
	Gases under pressure	Liquefied gas
<b>Health hazards</b>	Acute toxicity, inhalation	Category 2
	Skin corrosion/irritation	Category 1
	Serious eye damage/eye irritation	Category 1
	Specific target organ toxicity, single exposure	Category 3 respiratory tract irritation
<b>Environmental hazards</b>	Hazardous to the aquatic environment, long-term hazard	Category 1
<b>OSHA defined hazards</b>	This mixture does not meet the classification criteria according to OSHA HazCom 2012.	
<b>Label elements</b>		



<b>Signal word</b>	Danger
<b>Hazard statement</b>	May cause or intensify fire; oxidizer. Contains gas under pressure; may explode if heated. Causes severe skin burns and eye damage. Fatal if inhaled. May cause respiratory irritation. Very toxic to aquatic life.
<b>Precautionary statement</b>	
<b>Prevention</b>	Keep/Store away from clothing and other combustible materials. Keep reduction valves free from grease and oil. Do not breathe gas. Use only outdoors or in a well-ventilated area. Wear respiratory protection. Wash hands and face thoroughly after handling. Wear protective gloves/clothing and eye/face protection. Avoid release to the environment.

<b>Response</b>	Specific treatment is urgent (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: Stop leak if safe to do so. Collect spillage.
<b>Storage</b>	Store in a well-ventilated place. Keep container tightly closed. Store locked up. Protect from sunlight.
<b>Disposal</b>	Dispose of contents/container in accordance with local/regional/national/international regulations.
<b>Hazard(s) not otherwise classified (HNOC)</b>	No OSHA defined hazard classes. Other hazards which do not result in classification: Toxic fumes, gases or vapors may evolve on burning. Chlorine is extremely corrosive to most metals in the presence of moisture (> 150 ppm water and/or -40 degrees F dew point) or at high temperatures. Combines with water to produce hydrochloric and hypochlorous acid. Severe, short-term exposures may cause long-lasting respiratory effects, e.g. Reactive Airways Dysfunction (RADSD), due to the material's severe irritating properties. Contact with liquefied gas might cause frostbites, in some cases with tissue damage. Direct contact with liquefied gas may cause frostbite and corrosive injury to the eyes.
<b>Supplemental information</b>	Keep away from heat. Make sure valves on gas cylinders are fully opened when gas is used. Open cylinder valve slowly to prevent rapid decompression and damage to valve seat. Use smallest possible amounts in designated areas with adequate ventilation. Liquid chlorine lines must have suitable expansion chambers between block valves due to high coefficient of expansion. Shut flow off at cylinder valve and not just at the regulator after use. Use a suitable hand truck to move cylinders; do not drag, roll, slide, or drop. Secure cylinders in an upright position at all times, close all valves when not in use. Establish written emergency plan and special training where chlorine is used. Regularly inspect and test piping and containers used for chlorine service.

### 3. Composition/information on ingredients

#### Substances

Chemical name	Common name and synonyms	CAS number	%
Chlorine	Liquid Chlorine Elemental Chlorine Molecular chlorine Compressed Chlorine Gas	7782-50-5	99.5

### 4. First-aid measures

<b>Inhalation</b>	Take proper precautions to ensure your own safety before attempting rescue (e.g. wear appropriate protective equipment, use the buddy system). IF INHALED: Remove person to fresh air and keep comfortable for breathing. If breathing is difficult, trained personnel should give oxygen. 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. Immediately call a POISON CENTER or doctor/physician.
<b>Skin contact</b>	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Do not rub area of contact. Gently remove clothing or jewelry. Carefully cut around clothing that sticks to the skin. Wash contaminated clothing before reuse. Immediately call a POISON CENTER or doctor/physician. Discard any shoes or clothing items that cannot be decontaminated.
<b>Eye contact</b>	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Take care not to rinse contaminated water into the unaffected eye or onto the face. Do not rub eyes. Immediately call a POISON CENTER or doctor/physician.
<b>Ingestion</b>	Not an expected route of entry under normal conditions of use. If ingestion of a large amount does occur, call a poison control center immediately. Do not induce vomiting. Never give anything by mouth to a victim who is unconscious or is having convulsions.

**Most important symptoms/effects, acute and delayed**

Fatal if inhaled. Immediately dangerous to life or health (IDLH) at 10 ppm. May cause severe irritation to the nose, throat, and respiratory tract. Symptoms may include coughing, choking and wheezing. Could also cause tightness in the chest, a blue discoloration of the skin (cyanosis), severe headache, nausea, vomiting and fainting. Inhalation could result in pulmonary edema (fluid accumulation). Symptoms of pulmonary edema (chest pain, shortness of breath) may be delayed. May result in unconsciousness and possibly death. Severe, short-term exposures may cause long-lasting respiratory effects, e.g. Reactive Airways Dysfunction (RADs), due to the material's severe irritating properties. With this condition, asthma-like symptoms and increased reactivity of the airways is experienced.

Direct skin contact may cause corrosive skin burns, deep ulcerations and possibly permanent scarring. If product is sprayed directly on skin, symptoms of frostbite may be experienced including numbness, prickling and itching.

Corrosive to the eyes and may cause severe damage including blindness. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. If product is sprayed directly into the eyes, could cause freezing of the eye.

**Indication of immediate medical attention and special treatment needed**

Immediate medical attention is required. Fatal if inhaled. Causes chemical burns. Symptoms may be delayed. Keep victim under observation. Medical supervision for minimum 48 hours. Provide general supportive measures and treat symptomatically.

**General information**

First-aid procedures should be reviewed by appropriate personnel familiar with chlorine and its conditions of use in the workplace.

Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.

## 5. Fire-fighting measures

**Suitable extinguishing media**

Extinguishing media - small fires: Dry chemicals. Carbon dioxide (CO<sub>2</sub>).  
Extinguishing media - large fires: Water Spray or Fog. Foam.

**Unsuitable extinguishing media**

Use water with caution. May react with water. Do not use direct water spray or water jet as an extinguisher, as this will spread the fire.

**Specific hazards arising from the chemical**

Pressurized container may explode when exposed to heat or flame. May react to cause fire and or explosion upon contact with many organic compounds, ammonia, hydrogen and with many metals at elevated temperatures. Chlorine will support the burning of most combustible materials. Combines with water to produce hydrochloric and hypochlorous acid. Liquefied chlorine can accumulate static charge by flow or agitation, since it has a very low electrical conductivity. Chlorine containers or cylinders may vent rapidly or rupture violently, if exposed to fire or excessive heat for a sufficient period of time. Intense local heat (above 200 deg C) on the steel walls of chlorine cylinders can cause an iron/chlorine fire resulting in rupture of the container. Vapors are heavier than air and may spread along floors. Toxic fumes, gases or vapors may evolve on burning.

**Special protective equipment and precautions for firefighters**

Firefighters should wear full protective clothing including self contained breathing apparatus. Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. A full-body chemical resistant suit should be worn.

**Fire fighting equipment/instructions**

Fight fire from maximum distance or use unmanned hose holders or monitor nozzles. Move containers from fire area if you can do so without risk. Remove combustible materials. Stop the flow of gas before extinguishing fire, if safe to do so. Use water spray to direct escaping gas away from workers if it is necessary to stop the flow of gas. Cool containers exposed to heat with water spray and remove container, if no risk is involved. Stay away from ends of cylinders and withdraw immediately in case of rising sounds or discoloration of 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**

The product itself does not burn. However, material is considered to be an oxidizing gas. Supporter of combustion and can intensify a fire.

**Hazardous combustion products**

Toxic chemicals are formed when combustible materials burn in chlorine. These may include corrosive hydrogen chloride gas and other chlorine compounds.

## 6. Accidental release measures

**Personal precautions, protective equipment and emergency procedures**

Restrict access to area until completion of clean-up. Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Consider initial downwind evacuation for at least 500 meters (1/3 mile). Ensure clean-up is conducted by trained personnel only. Ventilate closed spaces before entering them. Many gases are heavier than air and will spread along ground and collect in low or confined areas (sewers, basements, tanks). Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Wear appropriate protective equipment and clothing during clean-up. For personal protection, see section 8 of the SDS.

**Methods and materials for containment and cleaning up**

Stop the flow of material, if this is without risk. Use only non-sparking tools. Keep combustibles (wood, paper, oil, etc.) away from spilled material. Remove or isolate incompatible materials as well as other hazardous materials. Do not spray leak with water since a reaction producing corrosive hypochlorous and hydrochloric acids occurs, which can aggravate the leak.

May be absorbed and neutralized into solutions of caustic soda, or lime and placed in polypropylene, polyvinyl chloride, fibreglass or lead containers. Since hypochlorites are formed, the solutions must be treated with a reducing agent such as sodium sulfite before disposal. Do not immerse container in caustic solution.

Large Spills: Large uncontrollable leaks require environmental considerations and possible evacuation of the surrounding area. When possible draw off chlorine to process or disposal system

Contact the proper local authorities.

For waste disposal, see section 13 of the SDS.

**Environmental precautions**

Avoid release to the environment. Prevent entry into waterways, sewer, basements or confined areas. Contact local authorities in case of spillage to drain/aquatic environment.

**7. Handling and storage**

**Precautions for safe handling**

Establish written emergency plan and special training where chlorine is used.

Use only outdoors or in a well-ventilated area. Wear respiratory protection. Wear protective gloves/clothing and eye/face protection. See Section 8 of the SDS for Personal Protective Equipment. Do not breathe gas. Avoid contact with eyes, skin, and clothing. Regularly inspect and test piping and containers used for chlorine service. Liquid chlorine lines must have suitable expansion chambers between block valves due to high coefficient of expansion. Keep away from heat. Keep/Store away from clothing and other combustible materials. Keep reduction valves free from grease and oil. Use only chlorine compatible lubricants. Use smallest possible amounts in designated areas with adequate ventilation. Shut flow off at cylinder valve and not just at the regulator after use. Use a suitable hand truck to move cylinders; do not drag, roll, slide, or drop. Protect against physical damage. Wash hands after handling and before eating.

**Conditions for safe storage, including any incompatibilities**

Store in steel pressure cylinders in a cool, dry area outdoors or in well-ventilated, detached or segregated areas of non-combustible construction. Keep container tightly closed. Store locked up. Protect from sunlight. Storage area should be clearly identified, clear of obstruction and accessible only to trained and authorized personnel. Do not store near combustible materials. Wood and other organic materials should not be used on floors, structural materials, or ventilation systems in the storage area. Store away from incompatible materials (see Section 10 of the SDS). Secure cylinders in an upright position at all times, close all valves when not in use. Use a "first in - first out" inventory system to prevent full cylinders from being stored for excessive periods of time. Store at temperatures not exceeding 55°C (131°F). For the specified temperature the system pressure is 225 psig (1551 kPa).

**8. Exposure controls/personal protection**

**Occupational exposure limits**

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

Material	Type	Value
Chlorine (CAS 7782-50-5)	Ceiling	3 mg/m3
		1 ppm

**US. ACGIH Threshold Limit Values**

Material	Type	Value
Chlorine (CAS 7782-50-5)	STEL	1 ppm
	TWA	0.5 ppm

**US. NIOSH: Pocket Guide to Chemical Hazards**

Material	Type	Value
Chlorine (CAS 7782-50-5)	Ceiling	1.45 mg/m3
		0.5 ppm

**Biological limit values**

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

**Exposure guidelines**

The NIOSH IDLH concentration for Chlorine is 10 ppm.

<b>Appropriate engineering controls</b>	Ensure adequate ventilation, especially in confined areas. 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. In case of insufficient ventilation, wear suitable respiratory equipment.
<b>Individual protection measures, such as personal protective equipment</b>	
<b>Eye/face protection</b>	Wear eye/face protection. Chemical goggles are recommended. Wear a full-face respirator, if needed. A full face shield may also be necessary. Eye wash fountains are required.
<b>Skin protection</b>	
<b>Hand protection</b>	Wear appropriate chemical-resistant gloves. Advice should be sought from glove suppliers.
<b>Other</b>	Wear appropriate chemical-resistant clothing. Where contact is likely, wear chemical-resistant gloves, a chemical suit and rubber boots. Eye wash facilities and emergency shower must be available when handling this product.
<b>Respiratory protection</b>	Up to 5 ppm: 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. Up to 10 ppm: A SAR (supplied air respirator) operated in a continuous flow mode or powered air purifying respirator with cartridge(s); a full facepiece chemical cartridge respirator with cartridge(s); a gas mask with canister; a full facepiece SCBA (self contained breathing apparatus) ; or a full facepiece SAR may be used to reduce exposure. EMERGENCY OR PLANNED ENTRY INTO UNKNOWN CONCENTRATIONS OR IDLH CONDITIONS: Positive pressure, full-facepiece SCBA; or positive pressure, full-facepiece SAR with an auxiliary positive pressure SCBA. 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.
<b>Thermal hazards</b>	Wear appropriate thermal protective clothing, when necessary.
<b>General hygiene considerations</b>	Do not breathe gas. Avoid contact with eyes, skin and clothing. Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using the product. Wash hands before breaks and immediately after handling the product. Remove soiled clothing and wash it thoroughly before reuse. Inform laundry personnel of contaminant's hazards.

## 9. Physical and chemical properties

### Appearance

<b>Physical state</b>	Gas (or liquid under pressure).
<b>Form</b>	Compressed liquefied gas.
<b>Color</b>	Amber color; vaporizes to greenish, yellow gas.
<b>Odor</b>	Pungent suffocating odor
<b>Odor threshold</b>	0.02 - 3.4 ppm (detection)
<b>pH</b>	Not applicable (reacts with water to form an acidic solution)
<b>Melting point/freezing point</b>	-149.8 °F (-101 °C)
<b>Initial boiling point and boiling range</b>	-30.28 °F (-34.6 °C)
<b>Flash point</b>	Not Applicable
<b>Evaporation rate</b>	Not Applicable. Gas at normal temperatures.
<b>Flammability (solid, gas)</b>	The product is not flammable.
<b>Upper/lower flammability or explosive limits</b>	
<b>Flammability limit - lower (%)</b>	Not Applicable
<b>Flammability limit - upper (%)</b>	Not Applicable
<b>Explosive limit - lower (%)</b>	Not available.
<b>Explosive limit - upper (%)</b>	Not available.
<b>Vapor pressure</b>	638.4 kPa @ 20°C (68°F) 4788 mm Hg @ 20°C (68°F)
<b>Vapor density</b>	2.49 @ 0°C (32°F) (Air = 1)
<b>Relative density</b>	3.21 kg/m <sup>3</sup> @ 0°C (32°F)

<b>Solubility(ies)</b>	
<b>Solubility (water)</b>	6.3 mg/l (Slightly soluble)
<b>Solubility (other)</b>	Soluble in dimethylformamide, disulfur dichloride, benzene, chloroform, carbon tetrachloride, hexachlorobutadiene, tetrachloroethane, pentachloroethane, chlorobenzene, nitrobenzene, glacial acetic acid (99.84%) and other chlorides
<b>Partition coefficient (n-octanol/water)</b>	Not applicable (gas)
<b>Auto-ignition temperature</b>	Not available.
<b>Decomposition temperature</b>	Not available.
<b>Viscosity</b>	Not available.
<b>Viscosity temperature</b>	Not Applicable (Gas)
<b>Other information</b>	
<b>Critical temperature</b>	290.75 °F (143.75 °C)
<b>Explosive properties</b>	Not explosive.
<b>Molecular weight</b>	70.91
<b>Oxidizing properties</b>	Strong oxidizing agent because of its electron-transfer capabilities. Supporter of combustion and can intensify a fire. Note, that Chlorine does not yield oxygen or any other oxidizing substance.
<b>Specific gravity</b>	0.003 @ 0°C (32°F)

## 10. Stability and reactivity

<b>Reactivity</b>	Combines with water to produce hydrochloric and hypochlorous acid. These acids can decompose to hydrochloric acid and oxygen. Contact with combustible material may cause fire.
<b>Chemical stability</b>	Material is stable under normal conditions.
<b>Possibility of hazardous reactions</b>	Hazardous polymerization does not occur. Chlorine is extremely corrosive to most metals in the presence of moisture (> 150 ppm water and/or -40 degrees F dew point) or at high temperatures. Will support or initiate combustion or explosion of organic matter and other oxidizable material. Note, that Chlorine does not yield oxygen or any other oxidizing substance. Liquid or gaseous chlorine can react violently with many combustible materials, and other chemicals, including water. Metal halides, carbon, finely divided metals and sulfides can accelerate the rate of chlorine reactions. Chlorine reacts with carbon monoxide to produce toxic phosgene, and sulfur dioxide to produce sulfuryl chloride. Intense local heat (above 200 deg C) on the steel walls of chlorine cylinders can cause an iron/chlorine fire resulting in rupture of the container.
<b>Conditions to avoid</b>	Keep away from combustible materials. Avoid contact with incompatible materials. Keep away from heat. Do not use in areas without adequate ventilation.
<b>Incompatible materials</b>	Tin; Metals; Sulfides; Titanium. Reacts with most metals at high temperatures. Reacts with water to produce hydrochloric acids, which are corrosive to most metals. Ammonia, elemental metals, certain metal hydroxides, carbides, nitrides, oxides, phosphides and sulfides, easily oxidized materials, organic materials, reducing agents, alkalis and unstable and reactive compounds.
<b>Hazardous decomposition products</b>	Hydrogen chloride gas. Hydrochloric acid. Hypochlorous acid.

## 11. Toxicological information

### Information on likely routes of exposure

<b>Inhalation</b>	Very toxic by inhalation. Fatal if inhaled. May cause severe irritation to the nose, throat, and respiratory tract.
<b>Skin contact</b>	Causes skin burns. Contact with liquefied gas might cause frostbites, in some cases with tissue damage. Not expected to be absorbed through the skin.
<b>Eye contact</b>	Causes severe eye burns. If product is sprayed directly into the eyes, could cause freezing of the eye.
<b>Ingestion</b>	Not an expected route of entry under normal conditions of use.



**Most important symptoms/effects, acute and delayed**

Fatal if inhaled. Immediately dangerous to life or health (IDLH) at 10 ppm. May cause severe irritation to the nose, throat, and respiratory tract. Symptoms may include coughing, choking and wheezing. Could also cause tightness in the chest, a blue discoloration of the skin (cyanosis), severe headache, nausea, vomiting and fainting. Inhalation could result in pulmonary edema (fluid accumulation). Symptoms of pulmonary edema (chest pain, shortness of breath) may be delayed. May result in unconsciousness and possibly death. Severe, short-term exposures may cause long-lasting respiratory effects, e.g. Reactive Airways Dysfunction (RADs), due to the material's severe irritating properties. With this condition, asthma-like symptoms and increased reactivity of the airways is experienced.

Direct skin contact may cause corrosive skin burns, deep ulcerations and possibly permanent scarring. If product is sprayed directly on skin, symptoms of frostbite may be experienced including numbness, prickling and itching.

Corrosive to the eyes and may cause severe damage including blindness. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. If product is sprayed directly into the eyes, could cause freezing of the eye.

**Information on toxicological effects**

**Acute toxicity** Hazardous by OSHA criteria. Classification:  
Acute Toxicity (inhalation - gas) - Category 2. Fatal if inhaled.  
See below for individual ingredient acute toxicity data.

Product	Species	Test Results
Chlorine (CAS 7782-50-5)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rabbit	No data in literature.
<i>Inhalation</i>		
LC50	Rat	147 ppm, 4 Hours
<i>Oral</i>		
LD50	Rat	No data in literature.

**Skin corrosion/irritation** Hazardous by OSHA criteria. Classification:  
Skin corrosion/irritation - Category 1. Causes severe skin burns.

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

**Respiratory or skin sensitization**

**Respiratory sensitization** This product is not expected to cause respiratory sensitization.

**Skin sensitizer** This product is not expected to cause skin sensitization.

**Germ cell mutagenicity** Not expected to be mutagenic.

**Carcinogenicity** This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA. See below for ingredients present on regulatory lists.

**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. Classification:  
Specific Target Organ Toxicity (STOT), Single Exposure. Category 3. May cause respiratory irritation.

**Specific target organ toxicity - repeated exposure** Not expected to be hazardous by OSHA criteria.

**Aspiration toxicity** Not likely, due to the form of the product. Not expected to be an aspiration hazard.

**Chronic effects** Prolonged or repeated exposure to low concentrations may cause drying and cracking of the skin, respiratory effects, gum disorders and painless destruction of teeth  
Limited occupational studies with long-term exposure to low concentrations, have not shown significant respiratory effects.  
Long-term animal studies confirm that chlorine is a severe irritant to the upper and lower respiratory tract.

**12. Ecological Information**

**Ecotoxicity** Very toxic to aquatic life. See below for individual ingredient ecotoxicity data.

Product	Species	Test Results
Chlorine (CAS 7782-50-5)		
<b>Aquatic</b>		
<i>Acute</i>		
Crustacea	EC50	Water flea (Daphnia magna) 0.005 mg/l, 48 hours (mg Free Available Chlorine/L)
Fish	LC50	Rainbow trout, donaldson trout (Oncorhynchus mykiss) 0.014 mg/l, 96 hours

**Persistence and degradability** Free chlorine is consumed upon contact with living tissues making measurement of biodegradation impossible and unnecessary.

**Bioaccumulative potential** Not expected to be bio accumulative.

**Mobility in soil** The product itself has not been tested.

**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** UN1017

**UN proper shipping name** Chlorine (CHLORINE)

**Transport hazard class(es)**

**Class** 2.3

**Subsidiary risk** 5.1, 8

**Label(s)** 2.3, 5.1, 8

**Packing group** Not applicable.

**Environmental hazards**

**Marine pollutant** Yes

**Special precautions for user** Read safety instructions, SDS and emergency procedures before handling. US CERCLA Reportable Quantity (RQ): 10 lbs / 4.54 kg

**Special provisions** 2, B9, B14, N86, T50, TP19

**Packaging exceptions** None

**Packaging non bulk** 304

**Packaging bulk** 314, 315

#### IATA

**UN number** UN1017

**UN proper shipping name** Chlorine

**Transport hazard class(es)**

**Class** 2.3

**Subsidiary risk** 5.1, 8

**Packing group** Not applicable.

**Environmental hazards** Yes

**ERG Code** 2CP

**Special precautions for user** Read safety instructions, SDS and emergency procedures before handling. Refer to Special Provision A2 for shipping information.

**Other information**

**Passenger and cargo aircraft** Forbidden

<b>Cargo aircraft only</b>	Forbidden
<b>IMDG</b>	
<b>UN number</b>	UN1017
<b>UN proper shipping name</b>	CHLORINE
<b>Transport hazard class(es)</b>	
<b>Class</b>	2.3
<b>Subsidiary risk</b>	5.1, 8
<b>Packing group</b>	Not applicable.
<b>Environmental hazards</b>	
<b>Marine pollutant</b>	Yes
<b>EmS</b>	F-C, S-U
<b>Special precautions for user</b>	Read safety instructions, SDS and emergency procedures before handling.
<b>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	Not available.
<b>DOT</b>	



IATA; IMDG



Marine pollutant



**General information**

This product meets the criteria for an environmentally hazardous mixture, according to the IMDG Code.

## 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)**

Chlorine (CAS 7782-50-5)

Listed.

**SARA 304 Emergency release notification**

Chlorine (CAS 7782-50-5) 10 LBS

**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 - Yes  
 Reactivity Hazard - No

**SARA 302 Extremely hazardous substance**

Chemical name	CAS number	Reportable quantity	Threshold planning quantity	Threshold planning quantity, lower value	Threshold planning quantity, upper value
---------------	------------	---------------------	-----------------------------	--	--

Chlorine	7782-50-5	10	100 lbs		
----------	-----------	----	---------	--	--

**SARA 311/312 Hazardous chemical** Yes**SARA 313 (TRI reporting)**

Chemical name	CAS number	% by wt.
Chlorine	7782-50-5	99.5

**Other federal regulations****Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

Chlorine (CAS 7782-50-5)

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

Chlorine (CAS 7782-50-5)

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

**Safe Drinking Water Act (SDWA)**  
 4 mg/l  
 4.0 mg/l

**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**

Chlorine (CAS 7782-50-5)

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

Chlorine (CAS 7782-50-5)

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

Chlorine (CAS 7782-50-5)

**US. Rhode Island RTK**

Chlorine (CAS 7782-50-5)

**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)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
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)	No
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes

Country(s) or region	Inventory name	On inventory (yes/no)*
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
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	01-07-2015
Version #	01
HMIS	H: 4 F: 0 R: 1
NFPA	H: 4 F: 0 R: 0 Other: OX



Certified to NSF/ANSI 60

### List of abbreviations

Maximum use level for Chlorine in potable water is 30 mg/L.

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  
EPA: Environmental Protection Agency  
EPCRA: Emergency Planning and Community Right-to-Know Act  
ERG: Emergency Response Guidebook  
HSDB® - Hazardous Substances Data Bank  
IARC: International Agency for Research on Cancer  
IATA: International Air Transport Association  
IBC: Intermediate Bulk Container  
IDLH: immediately dangerous to life or health  
IMDG: International Maritime Dangerous Goods  
LC: Lethal Concentration  
LD: Lethal Dose  
NIOSH: National Institute of Occupational Safety and Health  
NOEC: No observable effect concentration  
NTP: National Toxicology Program  
OECD: Organization for Economic Cooperation and Development  
OEL: National occupational exposure limits  
OSHA: Occupational Safety and Health Administration  
PEL: Permissible exposure limit  
RCRA: Resource Conservation and Recovery Act  
RQ: Reportable Quantity  
RTECS: Registry of Toxic Effects of Chemical Substances  
SAR: supplied-air respirator  
SCBA: self-contained breathing apparatus  
SDS: Safety Data Sheet  
STEL: Short Term Exposure Limit  
TWA: Time Weighted Average  
UN: United Nations

### Disclaimer

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

#### Disclaimer

This Safety Data Sheet was prepared by ICC The Compliance Center Inc. using information provided by / obtained from Allied Universal Corporation and CCOHS' Web Information Service. The information in the Safety Data Sheet is offered for your consideration and guidance when exposed to this product. ICC The Compliance Center Inc. and Allied Universal Corporation expressly disclaim all expressed or implied warranties and assume no responsibilities for the accuracy or completeness of the data contained herein. The data in this SDS does not apply to use with any other product or in any other process.

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

ACGIH Documentation of the Threshold Limit Values and Biological Exposure Indices (2014)  
Canadian Centre for Occupational Health and Safety, CCHInfoWeb Databases, 2014  
(Chempendium, RTECs, HSDB, INCHEM)  
International Agency for Research on Cancer Monographs (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 **Wednesday, October 17, 2018** at 12:15 a.m. Eastern Time. Please contact NSF International 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=Chlorine&>

---

### NSF/ANSI 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 :** Miami, FL

**Chlorine[CL]**

<i>Trade Designation</i>	<i>Product Function</i>	<i>Max Use</i>
Chlorine	Disinfection & Oxidation	30mg/L

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

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

**Facility :** Tampa, FL

**Chlorine[CL]**

<i>Trade Designation</i>	<i>Product Function</i>	<i>Max Use</i>
Chlorine	Disinfection & Oxidation	30 mg/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**

**Chlorine[CL]**

<i>Trade Designation</i>	<i>Product Function</i>	<i>Max Use</i>
Chlorine	Disinfection & Oxidation	30 mg/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 : Ranger, GA**

**Chlorine[CL]**

<i>Trade Designation</i>	<i>Product Function</i>	<i>Max Use</i>
Chlorine	Disinfection & Oxidation	30 mg/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**

**Chlorine[CL]**

<i>Trade Designation</i>	<i>Product Function</i>	<i>Max Use</i>
Chlorine	Disinfection & Oxidation	30 mg/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.

---

Number of matching Manufacturers is 1

Number of matching Products is 5

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 City of Riviera Beach will comply with the AWWA Standards B300-99 and ANSI/NSF standard 60 or as may be amended.

Cristhianne Munguia  
Bid Coordinator

Subscribed and sworn to before me this 17th day of October, 2018.

Notary Public of the State of Florida.

Notary Public



**GILDA FAIR**  
Commission # GG 198125  
Expires June 22, 2022  
Bonded Three Budget Notary Services

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 33165  
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

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

## 2. Hazard(s) Identification

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



<b>Signal word</b>	Danger
<b>Hazard statement</b>	May be corrosive to metals. Causes severe skin burns and eye damage. Causes serious eye damage. May cause respiratory irritation.
<b>Precautionary statement</b>	
<b>Prevention</b>	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 (CO<sub>2</sub>). 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.

<b>Unsuitable extinguishing media</b>	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.
<b>Specific hazards arising from the chemical</b>	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.
<b>Special protective equipment and precautions for firefighters</b>	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.
<b>Fire fighting equipment/instructions</b>	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.
<b>Specific methods</b>	Use standard firefighting procedures and consider the hazards of other involved materials.
<b>General fire hazards</b>	Vapors are heavier than air and may spread along floors.
<b>Hazardous combustion products</b>	Hydrogen gas. Hydrogen chloride. Chlorine. Oxygen. Sodium oxides.

## 6. Accidental release measures

<b>Personal precautions, protective equipment and emergency procedures</b>	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.
<b>Methods and materials for containment and cleaning up</b>	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.
<b>Environmental precautions</b>	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

<b>Precautions for safe handling</b>	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.
<b>Conditions for safe storage, including any incompatibilities</b>	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 <sup>3</sup>

**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

<b>Biological limit values</b>	No biological exposure limits noted for the ingredient(s).
<b>Appropriate engineering controls</b>	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.
<b>Individual protection measures, such as personal protective equipment</b>	
<b>Eye/face protection</b>	Chemical goggles and face shield are recommended. Eye wash facilities and emergency shower must be available when handling this product.
<b>Skin protection</b>	
<b>Hand protection</b>	Wear appropriate chemical-resistant gloves. Advice should be sought from glove suppliers.
<b>Other</b>	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.
<b>Respiratory protection</b>	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.
<b>Thermal hazards</b>	Wear appropriate thermal protective clothing, when necessary.
<b>General hygiene considerations</b>	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**

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

<b>Flammability limit - upper (%)</b>	Not Applicable
<b>Flammability limit - upper (%) temperature</b>	Not Applicable
<b>Explosive limit - lower (%)</b>	Not available.
<b>Explosive limit - upper (%)</b>	Not available.
<b>Vapor pressure</b>	12 mm Hg
<b>Vapor density</b>	Not available.
<b>Relative density</b>	Not available.
<b>Solubility(ies)</b>	
<b>Solubility (water)</b>	Soluble
<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Auto-ignition temperature</b>	Not available.
<b>Decomposition temperature</b>	Not available.
<b>Viscosity</b>	Not available.
<b>Other information</b>	
<b>Density</b>	1.18 g/cm3
<b>Molecular formula</b>	NaOCl
<b>Molecular weight</b>	74.4
<b>Specific gravity</b>	1.18

## 10. Stability and reactivity

<b>Reactivity</b>	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
<b>Chemical stability</b>	Material is stable under normal conditions.
<b>Possibility of hazardous reactions</b>	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).
<b>Conditions to avoid</b>	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.
<b>Incompatible materials</b>	Metals. Strong oxidizing agents. Acids. Amines. Ammonia. Reducing agents. Nitrites. Organic compounds.
<b>Hazardous decomposition products</b>	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

<b>Inhalation</b>	Prolonged inhalation may be harmful. May cause irritation to the respiratory system. May cause severe irritation to the nose, throat, and respiratory tract.
<b>Skin contact</b>	Causes severe skin burns.
<b>Eye contact</b>	Causes serious eye damage.
<b>Ingestion</b>	Causes digestive tract burns. Ingestion may cause severe irritation of the mouth, the esophagus and the gastrointestinal tract.
<b>Most important symptoms/effects, acute and delayed</b>	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)		
<b>Acute</b>		
<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)		
<b>Acute</b>		
<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)		
<b>Aquatic</b>		
<i>Acute</i>		
Crustacea	EC50 Water flea ( <i>Ceriodaphnia dubia</i> )	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)		
<b>Aquatic</b>		
<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.

**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 - No  
    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.

**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**

Sodium hydroxide (CAS 1310-73-2)  
 Sodium Hypochlorite (CAS 7681-52-9)

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

Sodium hydroxide (CAS 1310-73-2)  
 Sodium Hypochlorite (CAS 7681-52-9)

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

Sodium hydroxide (CAS 1310-73-2)  
 Sodium Hypochlorite (CAS 7681-52-9)

**US. Rhode Island RTK**

Sodium hydroxide (CAS 1310-73-2)  
 Sodium Hypochlorite (CAS 7681-52-9)

**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)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
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

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.thecompliancecenter.com>

### Disclaimer

**Disclaimer**  
This Safety Data Sheet was prepared by ICC The Compliance Center Inc. using information provided by / obtained from Allied Universal Corporation and CCOHS' Web Information Service. The information in the Safety Data Sheet is offered for your consideration and guidance when exposed to this product. ICC The Compliance Center Inc. and Allied Universal Corporation expressly disclaim all expressed or implied warranties and assume no responsibilities for the accuracy or completeness of the data contained herein. The data in this SDS does not apply to use with any other product or in any other process.

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, CCOHS Web 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 **Wednesday, October 17, 2018** at 12:15 a.m. Eastern Time. Please contact NSF International 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 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

Disinfection & Oxidation

Disinfection & Oxidation

Disinfection & Oxidation

Disinfection & Oxidation

Disinfection & Oxidation

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]****Trade Designation**

<b>Trade Designation</b>	<b>Product Function</b>	<b>Max Use</b>
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]****Trade Designation**

<b>Trade Designation</b>	<b>Product Function</b>	<b>Max Use</b>
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 : Ranger, GA****Sodium Hypochlorite[CL]****Trade Designation**

<b>Trade Designation</b>	<b>Product Function</b>	<b>Max Use</b>
Aqua Guard Bleach	Disinfection & Oxidation	84 mg/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 60

Processing time was 1 seconds



ALLIUNI-01

LRANDOLPH

**CERTIFICATE OF LIABILITY INSURANCE**

DATE (MM/DD/YYYY)

10/10/2018

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

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

PRODUCER Collinsworth, Alter, Fowler & French, LLC 8000 Governors Square Blvd Suite 301 Miami Lakes, FL 33016	CONTACT NAME: <b>Lourdes Bonet Randolph</b>		
	PHONE (A/C, No, Ext): <b>(305) 822-7800</b>	FAX (A/C, No): <b>(305) 362-2443</b>	
	E-MAIL ADDRESS: <b>lrandolph@caffilc.com</b>		
INSURED  <b>Allied Universal Holding Corp</b> 3901 NW 115 Ave. Miami, FL 33178	INSURER(S) AFFORDING COVERAGE		NAIC #
	INSURER A : <b>Nautilus Ins Company</b>		<b>17370</b>
	INSURER B : <b>Great Divide Insurance Co</b>		<b>25224</b>
	INSURER C :		
	INSURER D :		
	INSURER E :		
INSURER F :			

**COVERAGES**

CERTIFICATE NUMBER:

REVISION NUMBER:

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

INSR LTR	TYPE OF INSURANCE	ADDD	SUBR	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	COMMERCIAL GENERAL LIABILITY	X		GLP202370311	08/31/2018	08/31/2019	EACH OCCURRENCE \$ 1,000,000
	<input checked="" type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> OCCUR						DAMAGE TO RENTED PREMISES (Fa occurrence) \$ 1,000,000
	<input checked="" type="checkbox"/> Contractual Liability						MED EXP (Any one person) \$ 25,000
	<input checked="" type="checkbox"/> Independent Contract						PERSONAL & ADV INJURY \$ 1,000,000
GEN'L AGGREGATE LIMIT APPLIES PER:							GENERAL AGGREGATE \$ 2,000,000
POLICY <input type="checkbox"/> PRO-JECT <input checked="" type="checkbox"/> LOC							PRODUCTS - COMP/OP AGG \$ 2,000,000
OTHER:							
B	AUTOMOBILE LIABILITY			BAP202370411	08/31/2018	08/31/2019	COMBINED SINGLE LIMIT (Fa accident) \$ 1,000,000
	<input checked="" type="checkbox"/> ANY AUTO OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS						BODILY INJURY (Per person) \$
	<input checked="" type="checkbox"/> HIRED AUTOS ONLY <input checked="" type="checkbox"/> NON-OWNED AUTOS ONLY						BODILY INJURY (Per accident) \$
							PROPERTY DAMAGE (Per accident) \$
							\$
A	UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR	X		FFX202370611	08/31/2018	08/31/2019	EACH OCCURRENCE \$
	<input checked="" type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE						AGGREGATE \$
	DED <input type="checkbox"/> RETENTION \$						<b>** SEE BELOW</b>
WORKERS COMPENSATION AND EMPLOYERS' LIABILITY							PER STATUTE <input type="checkbox"/> OTH-ER <input type="checkbox"/>
ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) <input type="checkbox"/> Y/N <input type="checkbox"/> N/A							E.L. EACH ACCIDENT \$
If yes, describe under DESCRIPTION OF OPERATIONS below							E.L. DISEASE - FA EMPLOYEE \$
A	Pollution Liability			SSP202370511	08/31/2018	08/31/2019	@ Poll Condition** 1,000,000
A	Retro Date 8/2/1995			SSP202370511	08/31/2018	08/31/2019	Total all Poll Conds 2,000,000

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

Bid 18-121 Chlorine Gas

Excess Liability Policy Breakdown: First Layer \$4,000,000. Nautilus Ins Co #FFX202370611; 2nd Layer \$6,000,000. Aspen Specialty Ins Co #EXAHFJD18; 3rd Layer \$15,000,000. Colony Ins Co #EXO307417 Excess Liability policies are Follow Form.

\*\*Excess Liability over Business Auto Liability are on Occurrence basis.

\*\*Pollution Self Insured Retention \$50,000. per Pollution Condition

**CERTIFICATE HOLDER****CANCELLATION**

City of Riviera Beach  
2051 MLK Blvd  
Riviera Beach, FL 33404

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE



# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

10/9/2018

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

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

<b>PRODUCER</b> Arthur J. Gallagher Risk Management Services, Inc. 200 S. Orange Avenue Orlando FL 32801	<b>CONTACT NAME:</b> Sandy Andrade	
	<b>PHONE (A/C, No, Ext):</b> 407-370-2320	<b>FAX (A/C, No):</b> 407-370-3057
<b>E-MAIL ADDRESS:</b> Sandy_Andrade@ajg.com		
<b>INSURER(S) AFFORDING COVERAGE</b>		<b>NAIC #</b>
<b>INSURER A:</b> Granite State Insurance Company		23809
<b>INSURER B:</b>		
<b>INSURER C:</b>		
<b>INSURER D:</b>		
<b>INSURER E:</b>		
<b>INSURER F:</b>		

**INSURED** ALLIUNI-03  
 Allied Universal Corporation  
 3901 NW 115th Ave  
 Miami FL 33178

**COVERAGES** **CERTIFICATE NUMBER:** 2087806108 **REVISION NUMBER:**

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

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVO	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
	<b>COMMERCIAL GENERAL LIABILITY</b> <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> OCCUR  GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:						EACH OCCURRENCE	\$
							DAMAGE TO RENTED PREMISES (Ea occurrence)	\$
							MED EXP (Any one person)	\$
							PERSONAL & ADV INJURY	\$
							GENERAL AGGREGATE	\$
							PRODUCTS - COMP/OP AGG	\$
								\$
	<b>AUTOMOBILE LIABILITY</b> <input type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> NON-OWNED AUTOS ONLY						COMBINED SINGLE LIMIT (Ea accident)	\$
							BODILY INJURY (Per person)	\$
							BODILY INJURY (Per accident)	\$
							PROPERTY DAMAGE (Per accident)	\$
								\$
	<b>UMBRELLA LIAB</b> <input type="checkbox"/> OCCUR <b>EXCESS LIAB</b> <input type="checkbox"/> CLAIMS-MADE DED <input type="checkbox"/> RETENTION \$						EACH OCCURRENCE	\$
							AGGREGATE	\$
								\$
A	<b>WORKERS COMPENSATION AND EMPLOYERS' LIABILITY</b> ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below			039326857	6/30/2018	6/30/2019	X PER STATUTE	OTH-ER
							E.L. EACH ACCIDENT	\$ 1,000,000
							E.L. DISEASE - EA EMPLOYEE	\$ 1,000,000
							E.L. DISEASE - POLICY LIMIT	\$ 1,000,000

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

**CERTIFICATE HOLDER****CANCELLATION**

City of Riviera Beach  
 Attn: Marie Sullin, Risk Manager  
 Riviera Beach FL 33404

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

*Michael J. ...*

© 1988-2015 ACORD CORPORATION. All rights reserved.

002081

**Local Business Tax Receipt**  
Miami-Dade County, State of Florida  
THIS IS NOT A BILL - DO NOT PAY



4513280

**BUSINESS NAME/LOCATION**  
ALLIED UNIVERSAL CORP  
3901 NW 115 AVE  
DORAL FL 33178

**RECEIPT NO.**  
**RENEWAL**  
**4711819**

**EXPIRES**  
**SEPTEMBER 30, 2018**

Must be displayed at place of business  
Pursuant to County Code  
Chapter 8A - Art. 9 & 10

**OWNER**  
ALLIED UNIVERSAL CORP

**SEC. TYPE OF BUSINESS**  
207 ADMIN OFFICE/OPERATION CTR

**PAYMENT RECEIVED**  
**BY TAX COLLECTOR**  
**\$135.00-08/02/2017**  
**FPPU03-17-022092**

Employee(s) 30

**This Local Business Tax Receipt only confirms payment of the Local Business Tax. The Receipt is not a license, permit, or a certification of the holder's qualifications, to do business. Holder must comply with any governmental or nongovernmental regulatory laws and requirements which apply to the business.**

**The RECEIPT NO. above must be displayed on all commercial vehicles - Miami-Dade Code Sec 8a-276.**

For more information, visit [www.miamidade.gov/taxcollector](http://www.miamidade.gov/taxcollector)