

**REQUEST FOR BIDS**

The City of Las Vegas, New Mexico will open Sealed Bids at 2:00 p.m., 12-03, 2014, at the City Council Chambers, 1700 North Grand Avenue, Las Vegas, New Mexico, or other designated area at the City Offices; ON THE FOLLOWING:

**LIQUID ALUMINUM SULFATE FOR WATER TREATMENT PLANT**

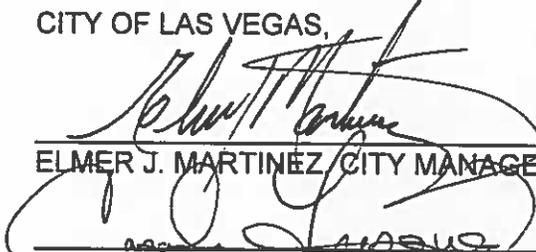
The BIDDING FORMS AND TECHNICAL SPECIFICATIONS may be examined at the following location: OFFICE OF THE CITY CLERK 1700 N GRAND AVE, LAS VEGAS, NM 87701

Copies of the BIDDING FORMS AND TECHNICAL SPECIFICATIONS may be obtained at the office of : OFFICE OF THE CITY CLERK 1700 N GRAND AVE, LAS VEGAS, NM

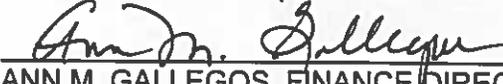
Mailed Bids should be addressed to the City Clerk, 1700 N. Grand Ave., Las Vegas, New Mexico 87701; with the envelope marked: LIQUID ALUMINUM SULFATE, Opening No. 2015-12; on the lower left-hand corner of the submitted envelope. It shall be the responsibility of the bidder to see that their bid is delivered to the City Clerk by the date and time set for the bid request. If the mail or delivery of bid request is delayed beyond the opening date and time, bid thus delayed will not be considered. A public opening will be held and any bidder or their authorized representative is invited to attend.

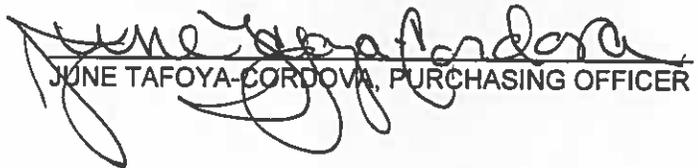
The City of Las Vegas reserves the right to reject any/or all bids submitted.

CITY OF LAS VEGAS,

  
ELMER J. MARTINEZ, CITY MANAGER

  
CASANDRA FRESQUEZ, CITY CLERK

  
ANN M. GALLEGOS, FINANCE DIRECTOR

  
JUNE TAFOYA-CORDOVA, PURCHASING OFFICER

Opening No. 2015-12

Date Issued: 11-3-2014

Date Issued: Published: Las Vegas Optic 11-7-2014  
Albuquerque Journal 11-7-2014  
City website: [www.lasvegasnm.gov](http://www.lasvegasnm.gov)

## STANDARD BID CLAUSES

### AWARDED BID

Awarding of Bid shall be made to the responsible Bidder whose Bid meets the required specifications. The City of Las Vegas (City) reserves the right to reject or accept any of all Bid specifications and to waive any insubstantial irregularity in the form of the Bid.

The City of Las Vegas may make multiple awards of the bid, to those bidding in law enforcement related services. The City Reserves the right to award the bid to the most advantageous Bidder to the City.

### TIMETABLE

Bids pursuant to this request must be received at the City Clerk's Office at 1700 North Grand Avenue, Las Vegas, New Mexico, on or before Dec. 02, 2014 at which time all bids received will be opened. An opening will occur at the City's Council Chambers or other designated area at the City Offices. Awarding of Bid is projected for DECEMBER, 2014. The successful Bidder will be notified by mail.

### ENVELOPES

Sealed Bid envelopes shall be clearly marked on the lower left-hand corner, identified by the Bid Name and Opening Number. Failure to comply with this requirement may result in the rejection of your submitted Bid. Enclose one (1) original and (2) copies of Bid.

### BRIBERY AND KICKBACK

The Procurement Code of New Mexico; (Section 13-1-28 through 13-1-99 N.M.S.A. 1978), impose a third degree felony penalty for bribery of a public official or public employee. In addition the New Mexico Criminal Statutes (Section 30-4-1, N.M.S.A. 1978): state that it is a third degree felony to commit the offense of demanding or receiving a bribe by a public official of public employee. And (Section 30-24-2, N.M.S.A. 1978): it is a fourth degree felony to commit the offense of soliciting or receiving illegal kickbacks. Also (Section 30-41-1 through 30-41-3, N.M.S.A. 1978): states that it is a fourth degree felony to commit the offense of offering or paying illegal kickbacks.

### NON-COLLUSION

In signing their Bid and Affidavit, the Bidder certifies that he/she has not, either directly or indirectly entered into action of restraint of free competition, in the connection with the submitted bid.

### RESPONSIBILITY OF BIDDER

At all times it shall be the responsibility of the Bidder to see their bid is delivered to the City Clerk by the Date and Time scheduled for opening. If the mail or delivery of said Bid is delayed beyond the scheduled opening date and time set, bid this delayed will not be considered.

CLARIFICATION OF BID

Bidder requiring clarification or interpretation of Bid specifications shall make a written request to the Department involved in this bid request at least five (5) days prior to the scheduled bid opening date with a copy forwarded to the Finance Department. Any interpretation, corrections or changes of said Bid Specifications, Opening Date, or Time Change will be made by Addendum only. Interpretations, Corrections or changes of said bid made in any other manner will not be binding and the Bidder shall not rely upon such interpretation, corrections and changes.

MODIFICATION OF BID

Bids may be withdrawn upon receipt of written request prior to the scheduled bid opening for the purpose of making any corrections or changes. Such corrections must be properly identified and signed or initialed by the Bidder. Resubmission must be prior to the scheduled bid opening time in order to be considered. After bid opening, no price modifications of submitted bids or other provisions shall be permitted.

WITHDRAWAL OF BID

A low Bidder alleging a material mistake of fact, after bids have been opened may request their bid be withdrawn upon receipt of a written request to the Finance Department prior to the scheduled awarding date.

INSPECTION

Final inspection and acceptance will be made at the City's destination. Products rejected for nonconformance with the specifications shall be removed by the Bidder; at his/her risk and expense promptly after notice of rejection.

FEDERAL TAX IDENTIFICATION NUMBER

Pursuant to IRS requirements, Bidder shall provide their Federal Tax ID Number if Bidder is incorporated. If Bidder is a sole proprietorship or partnership then they shall provide their Social Security Number.

FEDERAL TAX ID NUMBER: \_\_\_\_\_

SOCIAL SECURITY NUMBER: \_\_\_\_\_

NEW MEXICO TAX IDENTIFICATION NUMBER

Payment may be withheld under (Section 7-10-5, N.M.S.A. 1978) if you are subject to New Mexico Gross Receipts Tax and have not registered for a New Mexico (CRS) Tax Identification Number. Contact the New Mexico Taxation & Revenue Department at (505) 827-0700 for registering instructions.

NEW MEXICO TAX IDENTIFICATION NO. (CRS): \_\_\_\_\_

## CAMPAIGN CONTRIBUTION DISCLOSURE FORM

The Bidder shall submit a completed Campaign Contribution Disclosure Form Pursuant to Chapter 81, Laws of 2006.

### COMMERCIAL WARRANTY

The Bidder agrees that the products or services furnished under a Purchase Order shall be covered by the most favorable commercial warranties that the Bidder gives to any customer for such products or services. And that the rights and remedies provided therein shall extend to the City and are in addition to and do not limit any rights afforded to the City by any other clause of its Purchase Order. Bidder agrees not to disclaim warranties of fitness for any particular purpose or merchantability.

Furthermore, Bidder agrees that its warranty for all products furnished under a Purchase Order pursuant to this Call for Bids shall be for a period of one year following the installation of said products by others. Also a receipt of a notice by the City's Engineer the products have been installed correctly and have been demonstrated to be capable of performing their intended function.

### SPECIAL NOTICE

To preclude possible errors and/or misinterpretations, bid prices must be affixed in ink or typewritten legibly. Enclose one (1) original and two (2) copies of Bid documents.

### DEFAULT

The City reserves the right to cancel all or any part of an order without cost to the City if the Bidder fails to meet the provisions of the City's Purchase Order or the product specifications and to hold the Bidder liable for any excess costs occasioned due to the Bidder's default. The Bidder shall not be liable for any excess costs if failure to perform on an order arises out of cause beyond the control and without fault or negligence of the Bidder. Such causes include, but are not restricted to, acts of God or public enemy; acts of State or Federal Government; fires, floods, epidemics, quarantine restrictions, strikes, embargoes, unusually severe weather, or defaults of subcontractors. Due to any of the above unless the City shall determine that the supplies or services to be furnished by the subcontractor are obtainable from other sources in the City in this paragraph shall not be exclusive and are in addition to any other rights now being provided by law.

### BID PROTESTS

If any Bidder is of the opinion that the specifications as written preclude him/her from submitting a bid. His/her opinion should be made known to the Department involved in this bid request at least twelve (12) days prior to the scheduled bid opening date with a copy forwarded to the Finance Department. Bid protests will not be considered from parties which do not also furnish satisfactory documentation with their protest that their proposed system fully meets the functional intent of the TECHNICAL SPECIFICATIONS which accompany a Call for Bids.

### NON-EXCLUSION

Specifications of the bid request are not meant to exclude any Bidder or Manufacturer. Where a brand name or equal is indicated, it is for the purpose of describing the standard of quality, performance and characteristics desired and is not intended to restrict competition. "No Substitute" specifications may be authorized, only if required to match existing equipment.

If any Bidder is of the opinion that the specifications as written preclude him/her from submitting a bid. His/her opinion should be made known to the Department involved in this bid request at least five (5) days prior to the scheduled bid opening date; with a copy forwarded to the Finance Department.

Brand names and numbers are for reference only and equivalents will be considered. If bidding "EQUIVALENT" Bidder must be prepared to furnish complete data upon request, preferably with the bid to avoid awarding delay.

### CONTRACT

When the City issues a Purchase Order in response to an awarded Bid a binding contract is created (unless a specified contract has been created).

### TERMINATION

This Price Agreement may be terminated by either party upon signing a written notice to the other party at least thirty (30) days in advance of the date of termination. Notice of termination of this Price Agreement shall not affect any outstanding orders.

### TAXES

Bidder must pay all applicable taxes.

### NOTE:

If bidder is from outside the City of Las Vegas, the successful bidder must pay Gross Receipts in the City of Las Vegas.

**BIDDER INFORMATION**

BIDDER: \_\_\_\_\_

AUTHORIZED AGENT: \_\_\_\_\_

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

TELEPHONE NUMBER (\_\_\_\_) \_\_\_\_\_

FAX NUMBER (\_\_\_\_) \_\_\_\_\_

DELIVERY: \_\_\_\_\_

STATE PURCHASING RESIDENT CERTIFICATION NO.: \_\_\_\_\_

NEW MEXICO CONTRACTORS LICENSE NO.: \_\_\_\_\_

BID ITEM (S): LIQUID ALUMINUM SULFATE FOR WATER TREATMENT PLANT

ITEM (S) UNDER THIS BID ARE TO BE F.O.B. LAS VEGAS, NEW MEXICO 87701. THE CITY OF LAS VEGAS RESERVES THE RIGHT REJECT ANY OR ALL BIDS AND TO WAIVE ANY TECHNICAL IRREGULARITY IN THE FORM OF THE BID.

**AFFIDAVIT FOR FILING WITH COMPETITIVE BID**

STATE OF \_\_\_\_\_ }

COUNTY OF \_\_\_\_\_ }

I \_\_\_\_\_, of lawful age, being of first duly sworn in oath, say that I am the agent authorized by the bidder to submit the attached bid. Affiant further states that the bidder has not been a party to any collusion among bidders in restraint of freedom of competition by agreement to bid at a fixed price or to refrain from bidding; or with any city official or employee as to the terms of said prospective contract, or any other terms of said prospective contract; or in any discussion between bidders with any city official concerning an exchange of money or any other thing of value for special consideration in the letting of a contract.

Subscribed and sworn to before me, this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.

\_\_\_\_\_  
Signature

(SEAL)

\_\_\_\_\_  
Notary Public Signature  
My Commission Expires: \_\_\_\_\_

CITY OF LAS VEGAS  
BID FORM

BID ITEM (S): LIQUID ALUMINUM SULFATE FOR WATER TREATMENT PLANT

A.	LIQUID ALUMINUM SULFATE (TON)	\$	
B.		\$	
C.		\$	
D.		\$	
E.		\$	
F.		\$	
G.		\$	
F.		\$	
G.		\$	
H.		\$	
I.		\$	
J.		\$	
K.		\$	
L.		\$	
M.		\$	
N.		\$	
O.		\$	
P.		\$	
Q.		\$	
R.		\$	
S.		\$	
	TOTAL	\$	

## CAMPAIGN CONTRIBUTION DISCLOSURE FORM

Pursuant to Chapter 81, Laws of 2006, any prospective contractor seeking to enter into a contract with any state agency or local public body must file this form with that state agency or local public body. The prospective contractor must disclose whether they, a family member or a representative of the prospective contractor has made a campaign contribution to an applicable public official of the state or a local public body during the two years prior to the date on which the contractor submits a proposal or, in the case of a sole source or small purchase contract, the two years prior to the date the contractor signs the contract, if the aggregate total of contributions given by the prospective contractor, a family member or a representative of the prospective contractor to the public official exceeds two hundred and fifty dollars (\$250) over the two year period.

**THIS FORM MUST BE FILED BY ANY PROSPECTIVE CONTRACTOR WHETHER OR NOT THEY, THEIR FAMILY MEMBER, OR THEIR REPRESENTATIVE HAS MADE ANY CONTRIBUTIONS SUBJECT TO DISCLOSURE.**

The following definitions apply:

"Applicable public official" means a person elected to an office or a person appointed to complete a term of an elected office, who has the authority to award or influence the award of the contract for which the prospective contractor is submitting a competitive sealed proposal or who has the authority to negotiate a sole source or small purchase contract that may be awarded without submission of a sealed competitive proposal.

"Campaign Contribution" means a gift, subscription, loan, advance or deposit of money or other thing of value, including the estimated value of an in-kind contribution, that is made to or received by an applicable public official or any person authorized to raise, collect or expend contributions on that official's behalf for the purpose of electing the official to either statewide or local office. "Campaign Contribution" includes the payment of a debt incurred in an election campaign, but does not include the value of services provided without compensation or unreimbursed travel or other personal expenses of individuals who volunteer a portion or all of their time on behalf of a candidate or political committee, nor does it include the administrative or solicitation expenses of a political committee that are paid by an organization that sponsors the committee.

"Contract" means any agreement for the procurement of items of tangible personal property, services, professional services, or construction.

"Family member" means spouse, father, mother, child, father-in-law, mother-in-law, daughter-in-law or son-in-law.

"Pendency of the procurement process" means the time period commencing with the public notice of the request for proposals and ending with the award of the contract or the cancellation of the request for proposals.

"Person" means any corporation, partnership, individual, joint venture, association or any other private legal entity.

"Prospective contractor" means a person who is subject to the competitive sealed

proposal process set forth in the Procurement Code or is not required to submit a competitive sealed proposal because that person qualifies for a sole source or a small purchase contract.

**"Representative of a prospective contractor"** means an officer or director of a corporation, a member or manager of a limited liability corporation, a partner of a partnership or a trustee of a trust of the prospective contractor.

**DISCLOSURE OF CONTRIBUTIONS:**

Contribution Made By: \_\_\_\_\_

Relation to Prospective Contractor: \_\_\_\_\_

Name of Applicable Public Official: \_\_\_\_\_

Date Contribution(s) Made: \_\_\_\_\_

Amount(s) of Contribution(s) \_\_\_\_\_

Nature of Contribution(s) \_\_\_\_\_

Purpose of Contribution(s) \_\_\_\_\_

(The above fields are unlimited in size) \_\_\_\_\_

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Title (position)

-OR-

**NO CONTRIBUTIONS IN THE AGGREGATE TOTAL OVER TWO HUNDRED FIFTY DOLLARS (\$250) WERE MADE to an applicable public official by me, a family member or representative.**

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Title (Position)

### PRODUCT DATA SHEET

### LIQUID

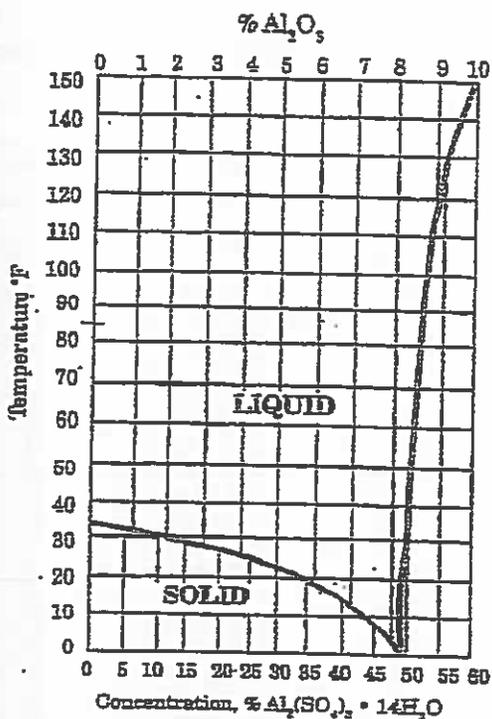


Figure 1. Approximate Freezing Temperature of Commercial Dry Aluminum Sulfate ( $Al_2(SO_4)_3 \cdot 14H_2O$ ) in Water.

#### CHARACTERISTICS:

Liquid aluminum sulfate or liquid alum is a clear, light green to light yellow aqueous solution. Iron-free and food-grade liquid alums are clear and colorless.



#### PROPERTIES:

(Approximately 48.5% dry aluminum sulfate)  
 Product Weight  
 Molecular weight of dry alum ( $14 H_2O$  product)  
 pH, 1% solution ( $14 H_2O$  product)  
 Specific gravity  
 Freezing point  
 Boiling point  
 Freezing temperatures

$Al_2(SO_4)_3 \cdot 14 H_2O$ , in water  
 11.1-11.2 lb/US gallon  
 594  
 3.5 (approx.)  
 1.333-1.337  
 -15° (5°F)  
 101°C (214°F) (approx.)  
 see Figure 1

Note: Crystals may begin to appear at temperatures higher than the freezing point. A storage temperature of 45°F or higher is recommended.

Acidified Alum also available.

#### SPECIFICATIONS:

Grade	Commercial	Low Iron	Iron-Free	Food Grade
Total soluble $Al_2O_3$ , %	8.2-8.4	8.0-8.2	8.0-8.2	8.0-8.2
Free $Al_2O_3$	0.01-0.2	0.01-0.2	0.01-0.15	0.1-0.15
Total soluble iron (as $Fe_2O_3$ ), %	0.3 max	< 0.02*	0.005 max	0.005 max
Water insolubles, %	0.02 max	0.02 max	0.005 max	0.005 max

\*or as specified

#### PRODUCT MARKETS AND USES:

- Cellulosic insulation
  - Additive to cellulosic insulation
- Clay manufacture
  - Flocculates clay slurry in china clay beneficiation
- Dye Industry
  - Mordant for dyes
- Food industry
  - Firming agent in pickle and vegetable processing
  - Processing aid in the preparation of baked goods, gelatins and puddings
- Grease manufacture
  - Source of aluminum ion for manufacturing aluminum soap and greases
- Lake treatment
  - Restoration and phosphorus inactivation
- Municipal and industrial wastewater treatment
  - Coagulation/flocculation agent
  - Phosphorous removal by chemical precipitation
  - Clarification, oily wastewater, and emulsion breaking
- Potable & process water treatment
  - Coagulant for solids and color removal
- Pulp and paper industry
  - Fixes rosin size on paper fibers
  - Drainage and retention aid
  - Pitch control agent
- Tanneries
  - Tanning agent for furs and white leathers
- Zeolite and catalyst manufacture
  - Source of aluminum ion

# Material Safety Data Sheet

Provided by:

DPC Industries, Inc.      DX Systems Company  
DPC Enterprises, LP      DX Terminals  
DXI Industries, Inc.

PO Box 24600  
Houston, TX 77229-4600  
281-457-4888  
888-647-7717  
www.dsgroup.com

## SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product Name**      ALUMINUM SULFATE SOLUTION

**Synonyms**      LIQUID ALUM

**Chemical Name**      ALUMINUM SULFATE LIQUID

**Emergency phone:**      281-457-4888

**Chemtec:**      800-424-9300

**Date of Issue:**      10/1/00

**Reviewed / Revision Date:**      08/29/07

## SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

### COMPONENTS

	PERCENT	CAS NO.
WATER	REMAINDER	
ALUMINUM SULFATE	50%	10043-01-3

## SECTION 3 - HAZARDS IDENTIFICATION

### Potential Health Effects

**ACGIH - TLV:**      2 mg/m<sup>3</sup>

**Eye Contact**      MAY CAUSE IRRITATION AND BURNS.

**Skin Contact**      MAY CAUSE IRRITATION.

**Ingestion**      MAY CAUSE IRRITATION AND BURNS TO DIGESTIVE TRACT.

**Inhalation**      MAY CAUSE IRRITATION TO RESPIRATORY TRACT.

**Carcinogenicity:**      NTP NO      IARC NO      OSHA NO

## SECTION 4 - FIRST AID PROCEDURES

**Eye Contact:**      IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES WHILE HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION.

**Skin Contact:**      IMMEDIATELY REMOVE CONTAMINATED CLOTHING OR SHOES, WIPE EXCESS FROM SKIN AND FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. USE SOAP IF AVAILABLE OR FOLLOW BY WASHING WITH SOAP AND WATER. DO NOT REUSE CLOTHING UNTIL THOROUGHLY CLEANED. GET MEDICAL ATTENTION.

**Inhalation:**      REMOVE VICTIM TO FRESH AIR AND PROVIDE OXYGEN IF BREATHING IS DIFFICULT. GIVE ARTIFICIAL RESPIRATION IF NOT BREATHING. GET MEDICAL ATTENTION.

**Ingestion:**      DO NOT INDUCE VOMITING. RINSE MOUTH WITH WATER. IF CONSCIOUS, GIVE LARGE QUANTITIES OF WATER OR MILK AND GET IMMEDIATE MEDICAL ATTENTION. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON!

## SECTION 5 - FIRE FIGHTING MEASURES

**Flash Point (°F)**      NOT APPLICABLE

**Extinguishing Media**      MEDIA SUITABLE FOR SURROUNDING FIRE.

**Special Firefighting Procedures/Precautions**      WEAR SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE GEAR. USE WATER SPRAY TO KEEP CONTAINERS COOL.

### SECTION 6 - ACCIDENTAL RELEASE MEASURES

**For Spill:**

DILUTE SMALL SPILLS/LEAKS WITH PLENTY OF WATER. NEUTRALIZE ANY FURTHER RESIDUE WITH SODA ASH OR LIME-NEUTRALIZATION REQUIRES VENTILATION DUE TO RELEASE OF CO<sub>2</sub>. LG SPILLS: DIKE WITH SODA ASH & NEUTRALIZE.

### SECTION 7 - HANDLING AND STORAGE

Keep container tightly closed when not in use. Store in a cool, dry, well-ventilated area, away from heat and incompatible materials. Protect containers from physical damage.

AVOID CONTACT WITH SKIN, EYES OR CLOTHING. AVOID BREATHING DUST.

### SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

**Respiratory Protection**

USE A NIOSH/MSHA APPROVED RESPIRATOR FOLLOWING MANUFACTURER'S RECOMMENDATIONS WHERE DUST OR MIST MAY BE GENERATED.

**Ventilation**

LOCAL AND MECHANICAL RECOMMENDED.

**Protective Gloves**

CHEMICAL IMPERVIOUS GLOVES.

**Eye/Face Protection**

CHEMICAL SAFETY GOGGLES AND/OR FULL-FACE SHIELD.

**Other Protection**

CHEMICAL RESISTANT CLOTHING SUCH AS COVERALLS/APRON, BOOTS, ETC.

**Work Practices**

USE GOOD PERSONAL HYGIENE PRACTICES. WASH HANDS BEFORE EATING, DRINKING, SMOKING, OR USING TOILET FACILITIES. PROMPTLY REMOVE SOILED CLOTHING AND WASH THOROUGHLY BEFORE REUSE. SHOWER AFTER WORK USING PLENTY OF SOAP AND WATER.

### SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

**Boiling Point (°F):** 214

**Vapor Pressure (mmHg):** NOT APPLICABLE

**Freezing Point (°F):** NOT ESTABLISHED

**Vapor Density (Air=1):** NOT APPLICABLE

**Solubility (H<sub>2</sub>O):** COMPLETE

**Specific Gravity (H<sub>2</sub>O=1):** 1.335

**pH** 3.5

**Evaporation Rate:** NOT APPLICABLE

**Appearance/Odor:** CLEAR AMBER OR LIGHT GREEN LIQUID WITH NO APPRECIABLE ODOR.

### SECTION 10 - STABILITY AND REACTIVITY

**Chemical Stability:** YES

**Incompatible Material:** ALKALIS AND WATER REACTIVE MATERIALS SUCH AS OLEUM.

**Hazardous Polymerization:** WILL NOT OCCUR UNDER NORMAL OPERATING CONDITIONS.

**Decomposition Products:** SULFUR OXIDE GASES WHICH ARE OXIDIZERS & CORROSIVE. THE LOSS OF THESE GASES LEAVES A CAUSTIC RESIDUE.

### SECTION 11 - TOXICITY INFORMATION

LD50 ORAL (rat) = 1930 mg/kg  
LD50 ORAL (mouse) = 6207 mg/kg

**SECTION 12 - ECOLOGICAL INFORMATION**

14 PPM/30HR/FUNDULUS/FATAL/FRESH WATER 240 PPM/48HR/MOSQUITO FISH/TLM  
LC50 LARGEMOUTH BASS = 250 PPM/96 HOURS

**SECTION 13 - DISPOSAL CONSIDERATIONS**

DO NOT DISCHARGE INTO WATERWAYS OR SEWER SYSTEMS WITHOUT PRIOR APPROVAL  
DISPOSE OF WASTE MATERIALS ACCORDING TO ALL FEDERAL, STATE AND LOCAL REGULATIONS.

**SECTION 14 - TRANSPORT INFORMATION**

**USA DOT Shipping Name:** CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (ALUMINUM SULFATE)

**Hazard Class:** 8

**UN/NA Number:** UN3264

**Packing Group:** III

**Subsidiary Hazard:**

**Marine Pollutant:** NO

**SECTION 15 - REGULATORY INFORMATION**

**CERCLA RQ (lbs):** 5000

**SARA Title III Section 312:**

**Acute**    **Chronic**    **Flammable**    **Sudden Release of Pressure**    **Reactive**

**SARA Title III Section 313:** No

**SARA Extremely Hazardous Substance:** No

**HMS HAZARD RATING**

**Health:** 1                      **Fire:** 0                      **Reactivity:** 0  
0 - Least    1 - Slight    2 - Moderate    3 - High    4 - Extreme

**SECTION 16 - OTHER INFORMATION**

**EPA Pesticide Registration Number:**

NOT APPLICABLE

**NSF Maximum Use Level for Potable Water (Standard 60):**

NOT APPLICABLE

**TSCA (Toxic Substance Control Act), 40 CFR 710:**

Sources of the raw materials used in this mixture assure that all chemical ingredients present are in compliance with Section 8(b) Chemical Substance Inventory, or are otherwise in compliance with TSCA.

**DISCLAIMER**

THE DATA PRESENTED IS TRUE AND CORRECT TO THE BEST OF OUR KNOWLEDGE AND BELIEF; HOWEVER, NEITHER SELLER NOR PREPARER MAKES ANY WARRANTIES, EXPRESSED OR IMPLIED, CONCERNING THE INFORMATION PRESENTED. THE USER IS CAUTIONED TO PERFORM HIS OWN HAZARD EVALUATION AND TO RELY UPON HIS OWN DETERMINATIONS.