

NOTICE TO BIDDERS

The City of Donna will receive **SEALED BIDS** addressed to **Utilities Department**, and submitted to the City Secretary's Office located on the 307 South 12th Street, Donna, Texas, 78537 until **3:00 p.m. on September 18, 2020**, for Supply Contract for Purchase of Aluminum Sulfate Liquid. Any bid received after the closing time will not be accepted and returned to the bidder unopened.

SUPPLY CONTRACT FOR PURCHASE OF LIQUID AMMONIUM SULFATE Bid No.: 2020-005

Specifications may be obtained from the City of Donna Utilities Department at 114 S 13th St, Donna, TX 78537 or by calling (956) 464-7861, Monday thru Friday between 8:00 am to 5:00 pm. If any questions, please contact Jonas Gonzalez, Utilities Director at (956) 464-7861.

The City of Donna reserves the right to refuse and reject any of all formalities or technicalities or to accept the bid it considers being best and most advantageous to the city, and holding the bids for a period of 30 days without taking action. Bids submitted past the after mentioned date and time will not be accepted.

Bid proposals must be clearly marked on the envelope

CITY OF DONNA
SPECIFICATIONS FOR A SUPPLY CONTRACT
FOR THE PURCHASE OF LIQUID AMMONIUM SULFATE

1. Contractor proposes and offers to furnish to the City of Donna all of the City's Liquid Ammonium Sulfate (LAS) needs at unit prices stated on bid form official date of award to end of September 2023. Prices quoted are to remain unchanged for the awarded term. Contract shall commence from the official date award and last for the term specified above. The City of Donna reserves the right to extend the Supply Contract for an additional two (2) contract periods, if the satisfactory and their unit prices (s) remain firm. Renewals of contract terms shall be based on City of Donna fiscal years 1. October 2020-end of September 2021 and 2. October 2021-September 2022. If price remains firm the City of Donna reserves the right to continue to extend the contract for additional one-year terms.
2. The purpose of these specifications is to select and purchase LAS for the production of chloramines on a cost per pound (lbs) basis. The City has developed the following criteria to insure a fixed cost of treatment and that bids received are from experienced chemical suppliers.
3. All specifications shown are minimum. There are no attentions to disqualify any bidder who can meet these qualifications.
4. Each shipment of LAS shall always contain a minimum of 38% content of Ammonium Sulfate. Any content below said minimum shall be considered a breach of contract. All chemicals used in treatment of water supplied by public water systems must conform to American National Standards Institute/National Sanitation Foundation (ANSI/NSF) Standard 60 for direct additives and ANSI/NSF Standard 61 for indirect additives. Certificate of analysis from a third party, of product received must be provided for each shipment received.
5. A Material Safety Data Sheet (MSDS) must accompany each shipment.
6. Bidders must (if required) conduct an in plant testing their LAS for no less than 10 days. The cost for the chemical purchased will be paid for by the City of Donna; bidders must supply a reference list of five (5) customers presently using their LAS. Any problems with LAS, such as chemical (s) not reacting with LAS to form chloramines, during the tested shall be vendor's responsibility. Failure to meet performance factor may disqualify vendor. Bidder's LAS must meet all performance specifications to receive monetary compensation for the product used during the qualification process. Cost will be based on a liquid pound of LAS.
7. Bidder must provide temporary storage tanks, metering pumps, and infrastructure associated with the application during the trial of LAS.
8. During the trial period, the water plant staff will provide a log sheet documenting all LAS dosage, adjustments Trihalomethane formation and chloramines residual. The Water Treatment Plant Supervisor and his/her designated representative shall make LAS dosage adjustments requested by vendor or as deemed necessary to maintain water disinfection quality and meet parameters set by TCEQ.

9. Liquid Ammonium sulfate must be a minimum of 38% weight ammonium sulfate. Consistently maintain Total Liquid Ammonium Sulfate levels at a 3 to 1 ratio. Specific Gravity 1.20-1.228 and a pH 3.0-6.0. Certificate of Analysis shall accompany each bulk shipment.
10. No dry Ammonium Sulfate will be accepted.
11. The City require provider of these services to meet all specifications. In the event the provider is unable to provide all specified obligations of this Contract, the City may award contract to the next lower Bidder.
12. Provider, if requested, must also provide proper training, acceptable to City of Donna in the application and handling of this chemical.
13. All deliveries shall be coordinated by the contractor to the locations designated by the City personnel at time of order.
14. Deliveries will only be accepted during business operating hours of Monday-Friday between the hours of 7 am to 4 pm. Any other time must be requested with ample time.
15. The material shall be shipped in clean bulk tank trucks (minimum shipment of 2000 gallons). Each load delivery must include proof that tanker was washed before being filling with LAS. The Bidder must verify the equipment requirements prior to submittal of bids and ensure ability to deliver the proposed material in a vehicle, which is compatible with the existing unloading system.
16. The vendor agrees to assure that his/her carrier has all appropriate equipment such as tools, hoses, valves, and suitable hydraulic or electrical devices capable of insuring a timely unloading as not to interrupt the normal operation of the WTP.
17. The Contractor agrees to make deliveries only upon receipt of duly signed and approved Purchase Order (s) issued by the City. Delivery made without such Purchase Order shall be at the Bidder's risk and shall leave the City the option of canceling and Contract implied or expressed herein.
18. Contractor shall guarantee to assure that either his/her own carrier or any common carrier used shall be covered by all appropriate insurance required by any and all State and Federal agencies for the transportation of hazardous chemicals. The Contractor shall further guarantee to assure that all vehicles are properly placarded and /or labeled and suitably maintained and equipped for the transportation of hazardous chemicals. Delivery shall be made within three (3) calendar days after order is placed.
19. All invoices must be submitted in duplicate, itemized as to quantity, part number, description, and applicable discount (if any). In addition, invoices must show the

name of the Department, Division, or Section to which the merchandise was delivered, and the City's Purchase Order Number.

20. All delivery tickets must be signed by the receiving employee and have a description of the commodity delivered.
21. Payment shall be made in accordance with the State of Texas Pay Law after the City has approved the invoice or after the City has accepted the goods, whichever, occurs later. The city and Contractor agree that the terms of this contract all rights otherwise reserved by law, shall constitute the sole, controlling contract terms.
22. The contract may be terminated by the City, at its option, upon thirty (30) days written notice, if the materials furnished do not conform to the standard set forth herein, or if the deliveries and servicing of this Contract do not conform to the requirements detailed herein.

Print or Type Name and Title

Signature

Date

Company

CITY OF DONNA

**BID FORM FOR A SUPPLY CONTRACT FOR THE PURCHASE OF
LIQUID AMMONIUM SULFATE**

I/We submit the following bid for the purchase of Liquid Ammonium Sulfate according to the City of Donna specification, less tax:

It is understood that the number of pounds of Liquid Ammonium Sulfate are based on historical usage and is provided as an aid to assist bidders in providing the City of Donna with the best unit price. Actual usage may vary up or down during the course of the contract period. Price quoted is to remain unchanged for a period of two years from date of award of contract. Unit prices quoted shall be F.O.B. City of Donna and delivered to locations and exact spot (s) designated by City personnel.

Base Bid

HISTORICAL ANNUAL USAGE

151,500 lbs Per Year

Unit price per pound and put in place \$ _____

Unit price for one (1) year period with the provision to extend an additional one (1) year pending City Commission approval.

Maximum delivery time (not to exceed two calendar days) to Donna sites after receiving order by telephone ____ hours.

Delivery and quantity to be on an as needed basis.

Is bidder able and willing to make deliveries on weekends and/or holidays at contract unit price? Yes ____ No ____.

Please identify the name of person to contact in case of an emergency and the telephone number where this person can be reached _____.

Please identify hour of operation _____.

Please identify name of person (s) authorized to receive orders: _____

Bidder's Company Name _____

Unit Price per lbs as needed delivered and put in place \$ _____

Delivery Time (hours or days) _____

Able to deliver 365 days a year (Yes or No) _____

Respectfully submitted this _____ day of _____, 2020.

SIGNATURE: _____

PRINT/TYPE NAME: _____

TITLE: _____

COMPANY: _____

ADDRESS: _____

TELEPHONE NO: _____

FAX NUMBER: _____

EMAIL ADDRESS: _____



Liquid Ammonium Sulfate

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Revision Date: 05/01/15

Date of Issue: 05/01/15

Version: 1.0

SECTION 1: IDENTIFICATION

Product Identifier

Product Form: Mixture

Product Name: Liquid Ammonium Sulfate

Intended Use of the Product

Municipal and industrial water and wastewater treatment for disinfection as a source of ammonia in chloramination. Disinfection byproduct control.

Name, Address, and Telephone of the Responsible Party

Manufacturer

CHEMTRADE LOGISTICS INC.

155 Gordon Baker Road

Suite 300

Toronto, Ontario M2H 3N5

For SDS Info: (416) 496-5856

www.chemtradelogistics.com

Emergency Telephone Number

Emergency number : Canada: CANUTEC +1-613-996-6666 / US: CHEMTREC +1-800-424-9300
Chemtrade Emergency Contact: (866) 416-4404

For Chemical Emergency, Spill, Leak, Fire, Exposure, or Accident, call CHEMTREC – Day or Night

SECTION 2: HAZARDS IDENTIFICATION

Classification of the Substance or Mixture

Classification (GHS-US)

Aquatic Acute 2 H401

Label Elements

GHS-US Labeling

Signal Word (GHS-US) : No labeling applicable

Hazard Statements (GHS-US) : H401 - Toxic to aquatic life

Precautionary Statements (GHS-US) : P273 - Avoid release to the environment
P501 - Dispose of contents/container according to local, regional, territorial, provincial, national, and international regulations.

Other Hazards

Other Hazards Not Contributing to the Classification: Exposure may aggravate those with pre-existing eye, skin, or respiratory conditions.

Unknown Acute Toxicity (GHS-US) Not available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Substances

Name	Product identifier	% (w/w)	Classification (GHS-US)
Ammonium sulfate	(CAS No) 7783-20-2	38 - 40	Aquatic Acute 2, H401
Citric acid	(CAS No) 77-92-9	0.04	Comb. Dust Eye Irrit. 2A, H319

Full text of H-phrases: see section 16

SECTION 4: FIRST AID MEASURES

Description of First Aid Measures

General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label if possible).

Inhalation: Remove to fresh air and keep at rest in a position comfortable for breathing. Obtain medical attention if breathing difficulty persists.

Skin Contact: Rinse immediately with plenty of water. Obtain medical attention if irritation develops or persists.

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

Ingestion: Do NOT induce vomiting. Rinse mouth. Immediately call a POISON CENTER or doctor/physician.

Most Important Symptoms and Effects Both Acute and Delayed

General: Not expected to present a significant hazard under anticipated conditions of normal use.

Inhalation: May cause respiratory irritation. Inhalation of decomposition products may cause pulmonary edema. Symptoms of respiratory complications may occur several hours after.

Skin Contact: May cause skin irritation.

Eye Contact: May cause eye irritation.

Ingestion: Ingestion is likely to be harmful or have adverse effects.

Chronic Symptoms: None expected under normal conditions of use.

Indication of Any Immediate Medical Attention and Special Treatment Needed

If you feel unwell, seek medical advice (show the label where possible).

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing Media

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

Unsuitable Extinguishing Media: Do not use a heavy water stream. Use of heavy stream of water may spread fire.

Special Hazards Arising From the Substance or Mixture

Fire Hazard: Not flammable.

Explosion Hazard: Product is not explosive.

Reactivity: Hazardous reactions will not occur under normal conditions.

Advice for Firefighters

Precautionary Measures Fire: Exercise caution when fighting any chemical fire.

Firefighting Instructions: Use water spray or fog for cooling exposed containers.

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

Hazardous Combustion Products: Ammonia.

Reference to Other Sections

Refer to section 9 for flammability properties.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Avoid all contact with skin, eyes, or clothing. Avoid breathing vapor, mist, or spray.

For Non-Emergency Personnel

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

Emergency Procedures: Evacuate unnecessary personnel.

For Emergency Personnel

Protective Equipment: Equip cleanup crew with proper protection.

Emergency Procedures: Ventilate area.

Environmental Precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

Methods and Material for Containment and Cleaning Up

For Containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods for Cleaning Up: Clear up spills immediately and dispose of waste safely. Spills should be contained with mechanical barriers. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill.

Reference to Other Sections

See Heading 8. Exposure controls and personal protection. Concerning disposal elimination after cleaning, see item 13.

SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling

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

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Conditions for Safe Storage, Including Any Incompatibilities

Technical Measures: Comply with applicable regulations.

Storage Conditions: Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials.

Incompatible Materials: Strong acids. Strong bases. Strong oxidizers. Chlorates. Nitrates. Nitrites.

Specific End Use(s)

Municipal and industrial water and wastewater treatment for disinfection as a source of ammonia in chloramination. Disinfection byproduct control.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

No Occupational Exposure Limits (OELs) have been established for this product or its chemical components.

Exposure Controls

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

Personal Protective Equipment: Protective goggles. Gloves. Protective clothing. Insufficient ventilation: wear respiratory protection.

Materials for Protective Clothing: Chemically resistant materials and fabrics.

Hand Protection: Wear chemically resistant protective gloves.

Eye Protection: Chemical goggles or safety glasses.

Skin and Body Protection: Wear suitable protective clothing.

Respiratory Protection: If exposure limits are exceeded or irritation is experienced, NIOSH-approved respiratory protection should be worn.

Environmental Exposure Controls: Do not allow the product to be released into the environment.

Consumer Exposure Controls: Do not eat, drink or smoke during use

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

Physical State	: Liquid
Appearance	: Clear, faint yellow to amber colored
Odor	: Odorless
Odor Threshold	: Not available
pH	: 3 - 5
Relative Evaporation Rate (butylacetate=1)	: Not available
Melting Point	: Not applicable
Freezing Point	: -12 °C (10.4 °F)
Boiling Point	: Not available
Flash Point	: Not applicable
Auto-ignition Temperature	: Not applicable
Decomposition Temperature	: Ammonium sulfate: 235 °C (455 °F)
Flammability (solid, gas)	: Not applicable
Lower Flammable Limit	: Not applicable
Upper Flammable Limit	: Not applicable
Vapor Pressure	: Not available
Relative Vapor Density at 20 °C	: Not available
Specific Gravity	: 1.216 - 1.228
Solubility	: Not available
Partition coefficient: n-octanol/water	: Not available
Viscosity	: Not available
Explosion Data – Sensitivity to Mechanical Impact	: Not expected to present an explosion hazard due to mechanical impact.
Explosion Data – Sensitivity to Static Discharge	: Not expected to present an explosion hazard due to static discharge.

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SECTION 10: STABILITY AND REACTIVITY

Reactivity: Hazardous reactions will not occur under normal conditions.

Chemical Stability: Stable under recommended handling and storage conditions (see section 7).

Possibility of Hazardous Reactions: Hazardous polymerization will not occur.

Conditions to Avoid: Direct sunlight. Extremely high or low temperatures. Ignition sources. Incompatible materials.

Incompatible Materials: Strong acids, strong bases, strong oxidizers. Chlorates. Nitrates. Nitrites.

Hazardous Decomposition Products: Ammonia. Sulfur oxides.

SECTION 11: TOXICOLOGICAL INFORMATION

Information on Toxicological Effects - Product

Acute Toxicity: Not classified

LD50 and LC50 Data: Not available

Skin Corrosion/Irritation: Not classified (pH: 3 - 5)

Serious Eye Damage/Irritation: Not classified (pH: 3 - 5)

Respiratory or Skin Sensitization: Not classified

Germ Cell Mutagenicity: Not classified

Teratogenicity: Not available

Carcinogenicity: Not classified

Specific Target Organ Toxicity (Repeated Exposure): Not classified

Reproductive Toxicity: Not classified

Specific Target Organ Toxicity (Single Exposure): Not classified

Aspiration Hazard: Not classified

Symptoms/Injuries After Inhalation: May cause respiratory irritation. Inhalation of decomposition products may cause pulmonary edema. Symptoms of respiratory complications may occur several hours after.

Symptoms/Injuries After Skin Contact: May cause skin irritation.

Symptoms/Injuries After Eye Contact: May cause eye irritation.

Symptoms/Injuries After Ingestion: Ingestion is likely to be harmful or have adverse effects.

Chronic Symptoms: None expected under normal conditions of use.

Information on Toxicological Effects - Ingredient(s)

LD50 and LC50 Data:

Ammonium sulfate (7783-20-2)	
LD50 Oral Rat	> 2000 mg/kg
Citric acid (77-92-9)	
LD50 Oral Rat	5400 mg/kg
LD50 Dermal Rat	> 2000 mg/kg

SECTION 12: ECOLOGICAL INFORMATION

Toxicity

Ecology - General: This material is hazardous to the aquatic environment. Keep out of sewers and waterways.

Ecology - Water: Toxic to aquatic life.

Ammonium sulfate (7783-20-2)	
LC50 Fish 1	5.2 (5.2 - 8.2) mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	14 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC 50 Fish 2	32.2 (32.2 - 41.9) mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [flow-through])

Citric acid (77-92-9)	
LC50 Fish 1	1516 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])

Persistence and Degradability

Citric acid (77-92-9)	
Persistence and Degradability	Readily biodegradable in water.

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Bioaccumulative Potential

Ammonium sulfate (7783-20-2)

Log Pow	-5.1 (at 25 °C)
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Citric acid (77-92-9)

Log Pow	-1.72 (at 20 °C)
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Mobility in Soil Not available

Other Adverse Effects

Other Information: Avoid release to the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

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

Ecology – Waste Materials: Avoid release to the environment.

SECTION 14: TRANSPORT INFORMATION

14.1 In Accordance with DOT Not regulated for transport

14.2 In Accordance with IMDG Not regulated for transport

14.3 In Accordance with IATA Not regulated for transport

14.4 In Accordance with TDG Not regulated for transport

SECTION 15: REGULATORY INFORMATION

US Federal Regulations

Ammonium sulfate (7783-20-2)

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

Citric acid (77-92-9)

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

US State Regulations

Ammonium sulfate (7783-20-2)

U.S. - Massachusetts - Right To Know List

U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List

U.S. - Pennsylvania - RTK (Right to Know) List

Canadian Regulations

Liquid Ammonium Sulfate

WHMIS Classification	Uncontrolled product according to WHMIS classification criteria
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Ammonium sulfate (7783-20-2)

Listed on the Canadian DSL (Domestic Substances List)

Listed on the Canadian IDL (Ingredient Disclosure List)

WHMIS Classification	Uncontrolled product according to WHMIS classification criteria
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Citric acid (77-92-9)

Listed on the Canadian DSL (Domestic Substances List)

Listed on the Canadian IDL (Ingredient Disclosure List)

WHMIS Classification	Class D Division 2 Subdivision B - Toxic material causing other toxic effects
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This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by CPR.

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

Revision date : 05/01/15

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

GHS Full Text Phrases:

Aquatic Acute 2	Hazardous to the aquatic environment - Acute Hazard Category 2
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Comb. Dust	Combustible Dust
Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
H232	May form combustible dust concentrations in air
H319	Causes serious eye irritation
H401	Toxic to aquatic life

Party Responsible for the Preparation of This Document

CHEMTRADE LOGISTICS, INC.

For SDS Info: (416) 496-5856

Handle product with due care and avoid unnecessary contact. This information is supplied under U.S. OSHA'S "Right to Know" (29 CFR 1910.1200) and Canada's WHMIS regulations. Although certain hazards are described herein, we cannot guarantee these are the only hazards that exist. The information contained herein is based on data available to us and is believed to be true and accurate but it is not offered as a product specification. No warranty, expressed or implied, regarding the accuracy of this data, the hazards connected with the use of the product, or the results to be obtained from the use thereof, is made and Chemtrade and its affiliates assume no responsibility. Chemtrade is a member of the CIAC (Chemistry Industry Association of Canada) and adheres to the codes and principles of Responsible Care™.



Chemtrade North America SDS Template