

JEFFREY LANIGAN
MAYOR



JENNIFER GLEASMAN
PURCHASING AGENT

PURCHASING DEPARTMENT

ROME CITY HALL ♦ 198 N. WASHINGTON STREET
ROME, NEW YORK 13440-5815
(315) 339-7665 ♦ FAX (315) 838-1165
jgleasman@romecitygov.com
www.romenewyork.com

BID NUMBER: RFB-2025-008

**BID TITLE: THE SUPPLY AND DELIVER APPROXIMATELY 200 DRY TONS OF
LIQUID ALUMINUM SULFATE ANNUALLY TO CITY OF ROME
WATER FILTRATION PLANT.**

BID OPENING: 4/24/25 at 11:00 AM (local time)

COMPANY NAME: CHEMTRADE CHEMICALS US LLC

**MAILING ADDRESS: 90 EAST HALSEY ROAD, SUITE 200
PARSIPPANY, NJ 07054**

PHONE: 800-441-2659

FAX: 973-515-4461

EMAIL: bids@chemtradelogistics.com

WEBSITE: www.chemtradelogistics.com

SIGNATURE:

PRINTED NAME/TITLE: ELIZABETH RYNO, BID SPECIALIST

TOTAL OF BID: \$ 156,200.00 (Based on 200 Dry Ton/year)

\$781.00/Dry Ton / Delivery: 3 - 5 days A.R.O.

PROPOSER'S WARRANTY: The above-signed person by his/her affixed signature certifies that he/she is an officer of the organization. He/she has been specifically authorized to offer a proposal in full compliance with all requirements and conditions, as set forth in this Proposal, other than those deviations noted above. He/she has fully read and understands the Proposal and has full knowledge of the scope, nature, quantity, and quality of work to be performed and that he/she has carefully examined and checked the materials, equipment, labor, service, and cost thereof, and hereby states that the amount or amounts set forth in the proposal is or are correct. The bidder further agrees not to make claim for reformation, modification, or correction of this proposal after the scheduled closing time for receipt of proposal bids.

*** DELIVERY: 3 - 5 DAYS A.R.O.**

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INVITATION AND INSTRUCTIONS TO BID

The City of Rome, New York invites your firm to participate in the enclosed Request for Bid for:

BID NUMBER: RFB-2025-008

BID TITLE: THE SUPPLY AND DELIVER APPROXIMATELY 200 DRY TONS OF LIQUID ALUMINUM SULFATE ANNUALLY TO CITY OF ROME WATER FILTRATION PLANT.

This sealed bid will be publicly opened and read in the Common Council Chambers on **4/24/2025 at 11:00 AM (local time)**

Bid must be covered by Money Order, Certified Check, or Bid Bond in the amount of 5% of the amount of the total bid.

Sealed bids must be clearly marked with the bid number and title and sent to the address below, where they will be time-stamped, local time to:

**Office of the City Clerk
RFB-2025-008
Rome City Hall
198 North Washington Street
Rome, NY 13440**

If additional information is required, please contact:

**JENNIFER GLEASMAN, PURCHASING AGENT
City of Rome
198 North Washington Street
Suite 1-C
Rome, NY 13440
Phone: 315-339-7665
Fax: 315-838-1165**

Email: jgleasman@romecitygov.com

Bid is available electronically at WWW.BIDNET.COM, WWW.ROMENEWYORK.COM, WWW.MFBE.COM



GENERAL CONDITIONS

SCOPE OF WORK:

Scope of work will be listed under the **TECHNICAL SPECIFICATIONS** pages 11-12.

CONTRACT PERIOD:

Shall be for one year from date of execution with (2) extensions of (12) months, and may be awarded upon mutual written agreement between the City of Rome and the Vendor.

QUESTIONS REGARDING SPECIFICATIONS:

Any questions relative to interpretation of specifications may be directed to the Purchasing Agent, Jennifer Gleasman at 315-339-7665 or by e-mail to jgleasman@romecitygov.com

TAX:

Purchases by the City of Rome, New York, are not subject to any sales tax, federal excise tax or transportation tax. City of Rome Federal ID No: 15-6000414

FINANCE CHARGES:

The City of Rome will not be subjected to finance or late charges under this contract.

PRICE:

Best and final price shall be offered. All pricing shall remain firm for the term of the contract. The Consumer Price Index will be the standard for any price adjustments requested for fuel and/or commodities. Such request must be submitted in writing to be considered for approval by the City.

DURATION OF PROPOSAL OFFER:

Proposals are irrevocable for a period of sixty (60) calendar days following the closing date of this bid proposal.

METHOD OF AWARD:

The contract shall be awarded to the lowest responsible and responsive bidder whose bid meets the requirements set forth herein. Final determination will be made by the City as deemed to be in its best interests. Taken into consideration will be the reliability of the bidder, the quality of the materials/services offered, their level of quality and conformity with the specifications, and the terms of delivery.

ACCEPTANCE OR REJECTION:

The City of Rome Board of Estimate and Contract reserves the right to accept or reject any or all bids received.

COMPLETION DATE & DELIVERY SCHEDULE:

Each bidder must include in the bid an approximate delivery date from contract award. Delivery time may or may not be considered at the time of bid consideration.

TIME IS OF THE ESSENCE:

All times stated herein are of the essence.

NOTICE OF DELAY:

If the successful bidder encounters difficulty in meeting performance requirements or has knowledge of a possible delay, the vendor shall immediately notify the Purchasing Agent, preferably in writing. A slippage will require the vendor to demonstrate an alternate means of recovering the anticipated or actual delay in contract performance.

GUARANTEE/WARRANTY

The bidder must guarantee that the equipment offered is a model of regular stock product, with parts regularly used for this type of equipment offered; also, that no attachment or part has been substituted or applied contrary to manufacturer's recommendations or standard practices. The unit delivered must be warranted against faulty materials and workmanship for a period that should such faults develop, the bidder agrees to replace/repair the unit or part affected without cost to the City of Rome, New York, with all replacement parts paid for by the contractor.

INSURANCE

The contractor (vendor) shall maintain such insurance as will protect him from all claims under the Workers' Compensation Act and all other causes of action for personal injury and property damage, naming the City of Rome as an additional insured. The requirements that need to be on a Certificate of Insurance are:

Workers' Compensation

- *Vendor must supply proof of their Workers' Compensation insurance and should generally be reported on a separate page.*
- *If they are not required to carry it, then they must supply a letter stating that they are a sole proprietor and/or have no employees and are not required to carry Workers' compensation.*

General Liability

- *\$2,000,000 for each occurrence of property damage and bodily injury, and not less than*
- *\$4,000,000 aggregate*
- *\$1,000,000 auto liability, if vehicles are used.*

Description Section

- *Should read "The City of Rome is included as additional insured".*

Certificate Holder and Additional Insured

- *Should read the City of Rome only. It should not include an individual department or the name of an individual person.*

Cancellation Section

- *Should read "30 days written notice".*

CONTRACT TERMINATION:

The City may terminate for cause if the vendor fails to perform any material condition of the contract and such failure continues remedied for thirty (30) days after receipt of notice from the City.

LIMITATIONS:

Neither the vendor nor its affiliates shall be liable in any way for delay, failure in performance, loss damage due to any of the following conditions: fire, explosion, power blackout, earthquake, flood, the elements, civil or military authority, or acts of God. The vendor shall be liable for any delay, loss, and property damage attributable to any service or actions of any of its employees or agents.

GENERAL:

Any modification or waiver of any provision of the Contract must be in writing and signed by authorized representatives of both parties. If any term or provision of the contract shall be held invalid or unenforceable, the remainder of the contract shall not be affected.

The waiver by either party of any breach of the Contract by the other party will not operate as a waiver of subsequent breaches of the same or different kind.

LITERATURE:

Each bidder shall include product or equipment literature as available.

PROTEST AND APPEAL PROCEDURES:

Protests regarding the validity or appropriateness of the specifications or of the Request for proposal shall be filed in writing with the City Treasurer no later than two (2) days prior to the closing of the bids. The address to submit the protest is:

City Clerk
City of Rome
198 N. Washington St.
Rome, New York 13440

Such protests will not be considered if received later than the date established in paragraph above. Protests shall be explicit and in sufficient detail to stand on their own record. Post-award protests shall be in writing in a diligent and timely fashion and to be received in the City Clerk's Office no later than five (5) days after receipt of the award notice.

PROPOSAL GUARANTEE (BID BOND):

Each proposal bid must be guaranteed by cash, certified check, or bid bond in the amount of 5% of the amount of the bid total. The City may hold the proposal guarantee until the execution of the contract. All other proposal guarantees will be returned within thirty (30) days after proposal opening. The proposal guarantee of any proposer who withdraws a proposal after proposals are opened shall be forfeited to the City, irrespective of the reason for such withdrawal. The City may hold the proposal guarantee until the execution of the contract. All other proposal guarantees will be returned within thirty (30) days after proposal opening. The proposal guarantee of any proposer who withdraws a proposal after proposals are opened shall be forfeited to the City, irrespective of the reason for such withdrawal.

GENERAL MUNICIPAL LAW COMPLIANCE:

STATE OF NEW YORK, Section 103-a
Effective: July 1, 1959

"Upon the refusal of a person, when called before a Grand Jury to testify concerning any transaction or contract had with the State, any political subdivision thereof, a public authority or with any public department, agency or an official of the state or any political subdivision thereof or of a public authority, to sign a waiver of immunity against subsequent criminal prosecution or to answer any relevant questions concerning such transaction or contract, (a) such person, and any firm, partnership or

corporation of which he is a member, partner, or director or officer shall be disqualified from thereafter selling to or submitting bids to or receiving awards from or entering into any contracts with any municipal corporation or any public department, agency or official thereof for goods, work or services, for a period of five years after such refusal, and (b) any and all contract made with any municipal corporation or any public department, agency or official thereof, since the effective date of this law, by such person, and by any firm, partnership or corporation of which he is a member, partner, director or officer may be cancelled or terminated by the municipal corporation without incurring any penalty or damages on account of such cancellations or termination, by any monies owing by the municipal corporation for goods delivered or work done prior to the cancellation or termination shall be paid all pursuant to Section 103-a of the General Municipal Law of the State of New York."

MINORITY BUSINESS ENTERPRISE PARTICIPATION:

Minority and women-owned business enterprises are encouraged in the performance of all City material, supply, professional and construction contracts and sub-contracts;

A "minority business enterprise" is defined as a business firm which is at least fifty-one percent (51%) owned by minority group members. The minority ownership must exercise actual day-to-day management and control of the business. "Minority" means Blacks, Hispanics, American Indians, Alaskan Natives, Asians and Pacific Islanders.

A "women-owned business enterprise" is defined as a business firm which is at least fifty-one percent (51%) owned by women. The women ownership must exercise actual day-to-day management and control of business.

Bidders are requested to provide the following:

- a. Is your company 51% or more women owned? ___ yes **X** ___ no
- b. Is your company 51% or more minority owned? ___ yes **X** ___ no
- c. If you answer YES to Number 2, check one of the following:
 ___ Black ___ Hispanic ___ Alaskan Native
 ___ Asian/Pacific Islands ___ American Indian

RESPONSIBLE BIDDER

Each bidder will complete the following to enable the City to determine a Responsible Bidder.

- A. Is your firm presently engaged in actions which will lead to a merger, consolidation, or other form of reorganization? ___ yes **X** ___ no
- B. Has your firm filed for bankruptcy? ___ yes **X** ___ no

In determining the "lowest responsible bidder," in addition to price, the purchasing authority shall consider the ability, capacity and skill of the bidder to perform the contract or provide the service required; whether the bidder can perform the contract or provide the service promptly or within the time specified, without delay or interference; the character, integrity, reputation, judgment, experience and efficiency of the bidder; the quality of performance or previous contracts or services; the and existing compliance by the bidder with laws and ordinances relating to the contract or service; the sufficiency of the financial resources and ability of the bidder to perform the contract or provide the service; the quality, availability and adaptability of the

supplies or contractual services to the particular use required; the ability of the bidder to provide future maintenance and service for the use of the subject of the contract; and the number and scope of conditions attached to the bid.

DEVIATIONS SHEET

DEVIATIONS FROM SPECIFICATIONS:

Bidders must itemize all deviations to the specifications on Deviations Sheet. If this is not sufficient space, attach additional sheets as required. A statement referring to manufacturer's literature or specifications without stating the actual deviation thereon will be cause for disqualification. Unless otherwise stated by the bidder on the attached sheet provided, the proposal will be considered as being in strict accordance with the specifications outlined herein, even though the manufacturer's literature indicated deviations from the City's specifications.

NON-COLLUSIVE BIDDING CERTIFICATE

Pursuant to Chapter 675, Laws of 1966

- (a) By submission of this bid, each bidder and each person signing on behalf of any bidder certifies, and in the case of a joint bid, each party thereto certifies as to its own organization, under penalty of perjury, that to the best of knowledge and belief:
- (1) The prices in this bid have been arrived at independently without collusion, consultation, communication, or agreement, for the purpose of restricting competition, as to any matter relating to such process with any other bidder or with any competitor:
 - (2) Unless otherwise required by law, the prices which have been quoted in this bid have not been knowingly disclosed by the bidder and will not knowingly disclosed by the bidder prior to opening, directly or indirectly, to any other bidder or to any competitor; and
 - (3) No attempt has been made or will be made by the bidder to induce any other person, partnership or corporation to submit or not submit a bid for the purposes of restricting competition.

CHEMTRADE CHEMICALS US LLC

(Name of Bidder)

Elizabeth Ryno

(Official capacity)

ELIZABETH RYNO, BID SPECIALIST

BIDDERS CHECKLIST

This bid may not be acceptable without completing the following information. For your protection, please review your bid and indicate by a check mark that all requested information has been included and/or read:

- | | | |
|--|--|--------------------|
| <input checked="" type="checkbox"/> (X) | PROPOSER'S WARRANTY | Ref Page 1 |
| <input checked="" type="checkbox"/> (X) | INSTRUCTIONS TO BIDDERS | Ref Page 3 |
| <input checked="" type="checkbox"/> (X) | MINORITY BUSINESS ENTERPRISE PARTICIPATION | Ref Page 7 |
| <input checked="" type="checkbox"/> (X) | RESPONSIBLE BIDDER | Ref Page 7 |
| <input checked="" type="checkbox"/> (X) | DEVIATIONS SHEET | Ref Page 8 |
| <input checked="" type="checkbox"/> (X) | NON-COLLUSIVE BIDDING CERTIFICATE | Ref Page 9 |
| <input checked="" type="checkbox"/> (X) | BIDDERS LIST OF REFERENCES | Supplied By Bidder |

Do not separate or remove any pages from this bid package. Doing so may render your bid invalid. Please return the checklist with your bid



TECHNICAL SPECIFICATIONS

LIQUID ALUMINUM SULFATE

- QUANTITIES:** Quantity is approximate; contract shall be for the actual quantity ordered during the contract period. The quantity of Liquid Aluminum Sulfate shall be approximately 200 dry tons per annum.
- TAX:** Purchases made by the city of Rome are not subject to any sales tax, federal excise tax or transportation tax.
- PRICE:** Price shall be F.O.B. Rome Water Filtration Plant, 6105 Stokes-Lee Center Road, Lee Center, NY 13363
- AWARD:** Award will be made to lowest responsible bidder who meets the Technical Specifications. Items offered must meet the requirements of the City of Rome and must be approved by the City or Rome Public Works Commissioner, or his authorized agent. The City of Rome reserves the right to reject any or all bids, whichever may serve the best interest of the City of Rome.
- DELIVERY:** Delivery of Aluminum Sulfate shall be in liquid form in tank truck shipments not to be less than 40,000 lbs each when called for during the contract period. Supplier will not charge extra for weekend, holiday or "after hours" deliveries.
- MATERIAL SPECIFICATIONS:** The Liquid Aluminum Sulfate shall be certified pursuant to American National Standards Institute (ANSI)/National Sanitation Foundation (NSF) Standard 60. It shall meet all applicable requirements of AWWA and the New York State Health Department. The vendor will furnish an Affidavit of Compliance with the ANSI/NSF Std 60 with the bid.
- The Liquid Aluminum Sulfate supplied must be manufactured using un-refined Bauxite ore and

Sulfuric Acid. Hydrate-based material will not be accepted.

The product must contain a minimum of 8.3% Aluminum Sulfate and have a pH of 2.1 to 2.5. Alum should not contain any free acid.

**DEVIATIONS
FROM SPECIFICATIONS:**

A bidder may submit a proposal containing deviations from the Detailed Specifications and shall state wherein his bid differs from the specifications. Consideration may or may not be given to any or all such deviations, whichever is in the best interests of the City of Rome, New York.

MSDS: A Material Safety Data Sheet must be included with the first shipment.



DELEGATION OF AUTHORITY

I, Scott Rook, President and Chief Executive of Chemtrade Chemicals US LLC, a Delaware limited liability company ("Chemtrade"), do hereby delegate and appoint the following agents of Chemtrade to execute all municipal contracts and instruments, including bids, proposals and quotations, which in the ordinary course of business are processed by the Marketing Group of the company:

Parul Kachhia-Patel: Lisa Brownlee: Paul Peters: Elizabeth Ryno: Leilina Gossa:
Christine LaSala: Delana Peralta: Michele Schroeder: Marie-Josée Joly

Set forth below is a certified copy of the resolution of Chemtrade authorizing such action.

Dated as of the 21st day of February, 2023

Scott Rook
President and Chief Executive Officer

CERTIFICATE OF SECRETARY

I, Susan Pare, hereby certify that I am the Corporate Secretary of Chemtrade Chemicals US LLC ("Chemtrade") and that set forth below is a true and correct copy of the resolution of the Board of Managers of Chemtrade, adopted by unanimous written consent as of the 10th day of November, 2003 and that the same has not been modified or revoked and is on the date hereof in full force and effect:

RESOLVED that any officer of the Company be, and he hereby is, authorized to delegate, with the right of further delegation, to any other officer, employee or agent of the Company, all or any part of the authority granted to them by the Board of Managers; and that any such delegations may be general or specific and subject to such limitations and restrictions as the delegating officer shall determine.

I FURTHER CERTIFY that Scott Rook is the duly elected President and Chief Executive Officer of Chemtrade and holds such offices on the date hereof, that Mr. Rook is, in his capacity as President and Chief Executive Officer is authorized to represent and bind Chemtrade in all matters including, but not limited to, contracts and that set forth below is the genuine signature of such officer:

Scott Rook
President and Chief Executive Officer

IN WITNESS WHEREOF, I have hereunto set my hand and have caused the seal of the Company to be affixed effective this 21st day of February, 2023.

Seal

Susan Pare
Corporate Secretary

Document A310™ – 2010

Conforms with The American Institute of Architects AIA Document 310

Bid Bond

Bond No. CHEM4-16-25-1

CONTRACTOR:

(Name, legal status and address)

Chemtrade Chemicals US LLC
90 East Halsey Road, Suite 200
Parsippany, NJ 07054

SURETY:

(Name, legal status and principal place of business)

Berkley Insurance Company
475 Steamboat Road
Greenwich, CT 06830
Mailing Address for Notices

This document has important legal consequences. Consultation with an attorney is encouraged with respect to its completion or modification.

Any singular reference to Contractor, Surety, Owner or other party shall be considered plural where applicable.

OWNER:

(Name, legal status and address)

City of Rome, NY
198 North Washington Street
Rome, NY 13440

BOND AMOUNT:

5%

Five Percent of Amount Bid

PROJECT:

(Name, location or address, and Project number, if any)

Bid# RFB-2025-008 Liquid Aluminum Sulfate

The Contractor and Surety are bound to the Owner in the amount set forth above, for the payment of which the Contractor and Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, as provided herein. The conditions of this Bond are such that if the Owner accepts the bid of the Contractor within the time specified in the bid documents, or within such time period as may be agreed to by the Owner and Contractor, and the Contractor either (1) enters into a contract with the Owner in accordance with the terms of such bid, and gives such bond or bonds as may be specified in the bidding or Contract Documents, with a surety admitted in the jurisdiction of the Project and otherwise acceptable to the Owner, for the faithful performance of such Contract and for the prompt payment of labor and material furnished in the prosecution thereof; or (2) pays to the Owner the difference, not to exceed the amount of this Bond, between the amount specified in said bid and such larger amount for which the Owner 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. The Surety hereby waives any notice of an agreement between the Owner and Contractor to extend the time in which the Owner may accept the bid. Waiver of notice by the Surety shall not apply to any extension exceeding sixty (60) days in the aggregate beyond the time for acceptance of bids specified in the bid documents, and the Owner and Contractor shall obtain the Surety's consent for an extension beyond sixty (60) days.

If this Bond is issued in connection with a subcontractor's bid to a Contractor, the term Contractor in this Bond shall be deemed to be Subcontractor and the term Owner shall be deemed to be Contractor.

When this Bond has been furnished to comply with a statutory or other legal requirement in the location of the Project, any provision in this Bond conflicting with said statutory or legal requirement shall be deemed deleted herefrom and provisions conforming to such statutory or other legal requirement shall be deemed incorporated herein. When so furnished, the intent is that this Bond shall be construed as a statutory bond and not as a common law bond.

Signed and sealed this 16th day of April, 2025.

(Witness)

Chemtrade Chemicals US LLC

(Principal)

(Seal)

By:

Elizabeth Ryno
(Title) Elizabeth Ryno Bid Specialist

Berkley Insurance Company

(Surety)

(Seal)

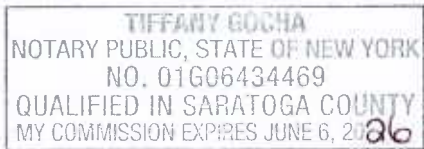
By:

Renee A. Manny
(Title) Renee A. Manny Attorney-in-Fact

ACKNOWLEDGMENT OF SURETY

State of New York)
County of Albany)

On this 16th day of April, 2025, before me personally appeared Renee A. Manny to me known, who, being by me duly sworn, did depose and say: that s/he resides at Rensselaer, New York, that s/he is the Attorney-In-Fact of Berkley Insurance Company, the corporation described in and which executed the annexed instrument; that s/he knows the corporate seal of said corporation; that the seal affixed to said instrument is such corporate seal; that it was so affixed by order of the Board of Directors of said corporation; that s/he signed his/her name thereto by like order; and that the liabilities of said corporation do not exceed its assets as ascertained in the manner provided by law.



Tiffany Gocha
Notary Public

ACKNOWLEDGMENT OF CORPORATION

State of New Jersey)
County of Morris)

On this 22ND day of APRIL, 2025, before me personally appeared Elizabeth Ryno, to me known, who being by me first duly sworn, did depose and say that s/he resides in Raritan, New Jersey that s/he is the Bid Specialist of Chemtrade Chemicals US LLC the corporation described in and which executed the foregoing instrument; that s/he knows the corporate seal of said corporation, that the corporate seal affixed to said instrument is such corporate seal, that it was so affixed by order and authority of the Board of directors of said corporation, and that s/he signed his/her name thereto by like order and authority.

Parul Kachhia-Patel
Notary Public



BERKLEY INSURANCE COMPANY

STATUTORY BALANCE SHEET

DECEMBER 31, 2024

(AMOUNTS IN THOUSANDS)

Admitted Assets

Bonds	\$	17,442,154
Common & Preferred Stocks		6,072,102
Cash & Short Term Investments		1,285,112
Premiums Receivable		2,832,359
Other Assets		<u>4,382,011</u>
<u>Total Admitted Assets</u>	<u>\$</u>	<u>32,013,737</u>

Liabilities & Surplus

Loss & LAE Reserves	\$	16,228,078
Unearned Premium Reserves		5,059,433
Other Liabilities		<u>1,304,351</u>
<u>Total Liabilities</u>	<u>\$</u>	<u>22,591,863</u>
Common Stock	\$	43,000
Preferred Stock		10
Additional Paid In Capital		3,014,269
Unassigned Surplus		<u>6,364,595</u>
<u>Total Policyholders' Surplus</u>	<u>\$</u>	<u>9,421,874</u>
<u>Total Liabilities & Surplus</u>	<u>\$</u>	<u>32,013,737</u>

Officers:

President: William Robert Berkley, Jr.
Secretary: Philip Stanley Welt
Treasurer: Richard Mark Baio
Asst. Treasurer: Bertman Adam Braud, Jr.
Asst. Secretary: Michelle Rene Rodemyer
Asst. Treasurer: Ted William Rogers

Directors:

William Robert Berkley
(Executive Chairman)
William Robert Berkley, Jr.
Philip Stanley Welt
Richard Mark Baio
Paul James Hancock
Carol Josephine LaPunzina
James Gerald Shiel



CHEMTRADE

Water Chemicals Group

**90 East Halsey Road
Parsippany, NJ 07054
Tel: 800-441-2659
Fax: 973-515-4461
www.ChemtradeLogistics.com**

REFERENCES:

The following is a list of 3 customers Chemtrade Chemicals currently supplies with Liquid Aluminum Sulfate for the year 2024 and 2025 calendar years (and prior). If you need additional references please do not hesitate to contact us and we can provide more information.

City of Plattsburgh
41 City Hall Place
Plattsburgh, NY 12901
Contact: Jon Ruff
Environmental Mgr
Phone: (518) 536-7519
Email: ruffj@cityofplattsburgh-ny.gov

Evesham Municipal Utilities Auth.
984 Tuckerton Road
Marlton, NJ 08053
Contact: Joseph Rizzuto
Executive Dir
Phone: (856) 983-1878

Pompton Lakes Borough
Municipal Utilities Authority
2000 Lincoln Avenue
Pompton Lakes, NJ 07442
Contact: John Wegele
Operations Manager
Phone: (973) 839-3044



CHEMTRADE

Water Chemicals Group

90 East Halsey Road
Parsippany, NJ 07054
Tel: 800-441-2659
Fax: 973-515-4461
www.ChemtradeLogistics.com

WARRANTY INFORMATION

Chemtrade Chemicals will accept return of material and replace material. Samples will be taken of material and analyzed. Any material that is off-spec as a result of a Chemtrade's production error will be replaced without cost to customer. If product damage is a result of transportation, we will then partner with our carrier to pursue the cause of the problem and develop a resolution in the best interest of the customer.



CHEMTRADE

Water Treatment Group

90 East Halsey Road
Parsippany, NJ 07054
Tel: 1-800-441-2653
Fax: (973) 515-4461
www.chemtradelogistics.com

PRODUCT CERTIFICATION

Chemtrade Chemicals certifies that all grades of Aluminum Sulfate as produced by our manufacturing locations will meet National Sanitation Foundation Standard 60 and ANSI/AWWA B 403-24 standard in every respect.

Safety Data Sheet, NSF Certification and related technical information is attached for review.

Elizabeth Ryno
Bid Specialist



Liquid Alum PRODUCT DATA SHEET

CHARACTERISTICS

Liquid Alum is a clear, light green, slight yellow, brown, amber or orange-like tinted solution. It is a cationic inorganic coagulant and flocculant suitable for industrial and municipal water and wastewater treatment applications.

NSF/ANSI/CAN Standard 60: Drinking Water Chemicals - Health Effects; Certified

TYPICAL PROPERTIES

Formula:	Aqueous solution of aluminum sulfate		
C.A.S.	10043-01-3 (Aluminum sulfate)		
	pH (neat)	1.4 - 2.6	
	Specific Gravity @ 21°C (70°F)	1.30 - 1.35	
	Freezing Point	-16°C (4°F)	
	Density, lbs./gal., US	10.8 - 11.3	
	Aluminum as Al, %	4.2 - 4.5	
	Aluminum as Al ₂ O ₃ , %	8.0 - 8.4	
	Aluminum as Al ₂ (SO ₄) ₃ •14H ₂ O (Dry Alum), %	46 - 49	

PRODUCT USES

Municipal and industrial water and wastewater treatment for the removal of turbidity, color, suspended solids and phosphorus. Sludge compaction and volume reduction. Lagoon treatment. Oily wastewater clarification and dissolved air flotation. Emulsion breaking. Fixing rosin sizes on paper fibers. Paper machine drainage and retention aid. Paper machine pitch control.

SHIPPING CONTAINERS

Bulk transport Bulk car 275 US gal. one-way container 55 US gal. plastic drum

SHIPPING REGULATIONS (US DOT / TDG)

Proper Shipping Name: Corrosive Liquid, Acidic, Inorganic, N.O.S. (Contains Aluminum Sulfate)

Hazard Class: 8 ID Number: UN3264 Packing Group: III

The US EPA reportable quantity (RQ) for aluminum sulfate is 5,000 lbs.

PRODUCT SAFETY INFORMATION

Anyone procuring, using or disposing of these products or their containers must be familiar with the appropriate safety and handling precautions. Such information may be found in the **Safety Data Sheets (SDS)** for these products or you may contact Chemtrade at 416-496-5856. In the event of an emergency with these products, call the 24-hour **Emergency Number: USA and Canada (CHEMTREC) 800-424-9300**. For additional information contact:

Syracuse Technical Center
315-478-2323 or 800-255-7589

Water Treatment Chemicals
Customer Service 844-204-9675

CHE-5001P-1

Revision Date: April 24, 2022

All information, statements, data, advice and/or recommendations, including, without limitation, those relating to storage, loading/unloading, piping and transportation (collectively referred to herein as "information") are believed to be accurate and reliable. However, no representation or warranty, express or implied, is made as to its completeness, accuracy, fitness for a particular purpose or any other matter, including, without limitation, that the practice or application of any such information is free of patent infringement or other intellectual property misappropriation. Chemtrade Logistics Inc. and its affiliates (collectively, "Chemtrade") are not engaged in the business of providing technical, operational, engineering or safety information for a fee, and, therefore, any such information provided herein has been furnished as an accommodation and without charge. All information provided herein is intended for use by persons having requisite knowledge, skill and experience in the chemical industry. Chemtrade shall not be responsible or liable for the use, application or implementation of the information provided herein, and all such information is to be used at the risk, and in the sole judgment and discretion, of such persons, their employees, advisors and agents.



Liquid Alum

Safety Data Sheet

Safety Data Sheet #: CHE-5001S
Revision Date: October 3, 2023

Version:12

1. Identification

Product identifier

Product Identity

Liquid Alum

Other means of identification

Aluminum Sulfate, liquid, Liquid Alum

Product Form

Mixture

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

Alum is used as a coagulating agent in municipal and industrial water and wastewater treatment and as an additive in papermaking.

Restrictions on use:

For use in water treatment, refer to NSF dosage information.

Details of the supplier of the safety data sheet

Company Name

Chemtrade Logistics Inc. (Canada)
155 Gordon Baker Road Suite 300
Toronto, Ontario M2H 3N5

Chemtrade Logistics Inc. (US)
90 East Halsey Road, Suite 200
Parsippany, NJ 07054

Emergency

24 hour Emergency Telephone No.

Chemtrade Emergency Contact: (866) 416-4404
(Toronto)

CHEMTREC +1-800-424-9300

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

Customer Service:

For SDS Info: (416) 496-5856

www.chemtradelogistics.com

2. Hazard(s) identification

Exposure may aggravate pre-existing eye, skin, or respiratory conditions.

Classification of the substance or mixture

Metal corrosion; H290

May be corrosive to metals.

Skin corrosion/irritation category 1C; H314

Causes severe skin burns and eye damage.

Serious eye damage / eye irritation, category 2;
H319

Causes serious eye irritation.

Aquatic toxicity (acute), category 3; H402

Harmful to aquatic life.

Label elements**Danger**

H290 May be corrosive to metals.

H314 Causes severe skin burns and eye damage.

H319 Causes serious eye irritation.

H402 Harmful to aquatic life.

[Prevention]:

P234 Keep only in original container.

P260 Do not breathe dust, fume, mist, vapours or spray.

P264 Wash thoroughly after handling.

P273 Avoid release to the environment.

P280 All Wear protective gloves, protective clothing, eye protection, face protection.

[Response]:

P301+330+331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P301+330+331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303+361+353 IF ON SKIN (or hair): Remove, take off immediately all contaminated clothing. Rinse skin with water, shower.

P304+340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER, doctor or physician.

P337+313 If eye irritation persists: Get medical advice or attention.

P363 Wash contaminated clothing before reuse.

P390 Absorb spillage to prevent material damage.

[Storage]:

P405 Store locked up.

P406 Store in a corrosive resistant, container with a resistant inner liner.

[Disposal]:

P501 Dispose of contents or container in accordance with local and national regulations.

2.3. Other hazards

This product contains no PBT/vPvB chemicals.

This product contains no endocrine disrupting chemicals.

3. Composition/information on ingredients

This product contains the following substances that present a hazard within the meaning of the Hazardous Products Regulations.

Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
Water CAS Number:7732-18-5	30 - 55	Not classified	No additional notes
Aluminum sulfate CAS Number: 0010043-01-3 Synonyms: Note: Aluminum sulfate is as Al ₂ (SO ₄) ₃ •14H ₂ O (Dry Aluminum Sulfate). , Aluminium sulfate, Sulfuric acid, aluminum salt (3:2)	45 - 70	Serious eye damage / eye irritation, category 1;H318 Metal corrosion;H290 Aquatic toxicity (acute), category 3;H402	No additional notes

The actual concentration or concentration range is withheld as a trade secret.

*PBT/vPvB - PBT-substance or vPvB-substance.

The full texts of the phrases are shown in Section 16.

The specific chemical identity and/or exact percentage of composition are withheld as a trade secret within the meaning of the OSHA Hazard Communication Standard [29 CFR 1910.1200].

Section 4. First aid measures

Description of first aid measures

General	In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.
Inhalation	Remove to fresh air, keep patient warm and at rest. If unconscious, place in the recovery position and obtain immediate medical attention. Give nothing by mouth.
Eyes	Irrigate copiously with clean water for at least 30 minutes, holding the eyelids apart and seek medical attention. Remove contact lenses, if present and easy to do. Continue rinsing.
Skin	Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser. Drench affected area with water for at least 30 minutes. Obtain medical attention if irritation develops or persists.
Ingestion	If swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

Most important symptoms and effects, both acute and delayed

Overview	Contact with skin causes severe skin burns. Causes serious eye damage. Acute Health Effects: the substance causes serious eyes damage and severe burns. EYE: Contact causes serious eye damage. Causes permanent damage to the cornea, iris, or conjunctiva with redness, pain, swelling, blurred vision, and severe burns (Immediate). No delayed effects from eye contact are expected. No chronic effects from eye contact are known. SKIN: Causes severe irritation which will progress to chemical burns. Symptoms may include redness, pain, serious skin burns, and blisters. (Immediate). No
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delayed effects from skin contact are expected. No chronic effects from skin contact are known.

INHALATION: May be corrosive to the respiratory tract. Prolonged exposure may cause irritation of the upper respiratory passages. (Immediate). May cause delayed pulmonary edema. No chronic effects from inhalation are known.

INGESTION: May cause burns or irritation of the linings of the mouth, throat, and gastrointestinal tract (Immediate). No delayed symptoms from ingestion are expected. No chronic effects from ingestion are known.

Indication of Any Immediate Medical Attention and Special Treatment Needed: If exposed or concerned, get medical advice and attention.

See section 2 for further details.

Eyes	Causes serious eye irritation.
Skin	Causes severe skin burns and eye damage.

Section 5. Fire-fighting measures

Extinguishing media

Suitable Extinguishing Media: Water spray, dry chemical, foam, carbon dioxide.

Unsuitable extinguishing media: Do not use water jet, or heavy water stream. Use of heavy stream of water may spread fire.

Special hazards arising from the substance or mixture

Hazardous decomposition: Can liberate toxic and corrosive fumes of SO₂ and SO₃ under extreme conditions when boiled to dryness or heated above 600 °C (1112 °F).

Keep only in original container.

Do not breathe dust, fume, mist, vapours or spray.

Advice for fire-fighters

As with all fires, wear positive pressure, self-contained breathing apparatus, (SCBA) with a full-face piece and protective clothing. Persons without respiratory protection should leave area. Wear SCBA during clean up immediately after fire. No smoking.

Fire Hazard: Product is not flammable but may burn at high temperatures.

Explosion Hazard: Product is not explosive. Contact with metallic substances may release flammable hydrogen gas.

Firefighting Instructions: Do not enter fire area without proper protective equipment, including respiratory protection. Use water spray or fog for cooling exposed containers. Remove containers from fire area if this can be done without risk. **Exercise caution when fighting any chemical fire.**

Hazardous reactions will not occur under normal conditions.

Other Information: Do not allow run-off from fire fighting to enter drains or water courses.

ERG Guide No. 154

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

General Measures: Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid contact with eyes, skin and clothing. Provide

adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment. See Section 8.

Use good personal hygiene practices. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Promptly remove soiled clothing and wash thoroughly before reuse.

Use only outdoors or in a well-ventilated area. Do not breathe mist, spray, and vapours.

Do not get in eyes, on skin, or on clothing. Use appropriate personal protection equipment (PPE). Wear protective gloves, eye protection, face protection (refer to section 8 for more details).

Environmental precautions

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

See Section 8 for exposure controls and personal protection and Section 13 for disposal considerations.

Methods and material for containment and cleaning up

Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit.

Ventilate area.

Contain, dilute cautiously with water, and neutralize with soda ash or lime.

Containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. As an immediate precautionary measure, isolate spill or leak area in all directions. Ventilate area.

Contain, dilute cautiously with water, and neutralize with soda ash or lime.

Methods for Clean up: Clean up spills immediately and dispose of waste safely. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill.

Section 7. Handling and storage

Precautions for safe handling

Handle containers carefully to prevent damage and spillage.

Store locked up.

Use good personal hygiene practices. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Promptly remove soiled clothing and wash thoroughly before reuse.

Use only outdoors or in a well-ventilated area. Do not breathe mist, spray, and vapours.

Do not get in eyes, on skin, or on clothing. Use appropriate personal protection equipment (PPE).

Wear protective gloves, eye protection, face protection (refer to section 8 for more details).

See section 2 for further details. - [Prevention]:

Conditions for safe storage, including any incompatibilities

Keep container closed when not in use. Store in a dry, cool place. Keep/Store away from extremely high or low temperatures and incompatible materials. Store in original container or corrosive resistant and/or lined container.

Comply with applicable regulations.

Incompatible materials: Non acid-proof metals (such as aluminum, copper and iron), bases, unalloyed steel, galvanized surfaces.

See section 2 for further details. - [Storage]:

Specific end use(s)

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Alum is used as a coagulating agent in municipal and industrial water and wastewater treatment and as an additive in papermaking.

Restrictions on use:

For use in water treatment, refer to NSF dosage information.

Section 8. Exposure controls / personal protection

Control parameters

Exposure

CAS No.	Ingredient	Source	Value
0010043-01-3	Aluminum sulfate	ACGIH	No Established Limit
		OSHA	No Established Limit
		NIOSH	TWA 2 mg/m ³
		Alberta	No Established Limit
		British Columbia	No Established Limit
		Manitoba	No Established Limit
		New Brunswick	No Established Limit
		Newfoundland and Labrador	No Established Limit
		Nova Scotia	No Established Limit
		Northwest Territories	No Established Limit
		Nunavut	No Established Limit
		Ontario	No Established Limit
		Prince Edward Island	No Established Limit
		Quebec	No Established Limit
		Saskatchewan	No Established Limit
Yukon	No Established Limit		



Exposure controls

Respiratory

Use NIOSH/MSHA approved respirator, following manufacturer's recommendations when concentrations exceed permissible exposure limits.

Eyes

Chemical safety goggles and face shield.

Skin

Chemical resistant clothing such as coveralls/apron and boots should be worn. Avoid skin contact. Wear protective gloves. Wear suitable protective clothing. **Materials for Protective Clothing:** Chemically resistant materials and fabrics.

Engineering Controls

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

Other Work Practices

Put on appropriate personal protective equipment. Chemically compatible gloves, protective clothing, and chemical resistant safety goggles, face shield. Insufficient

ventilation: wear respiratory protection. Use good personal hygiene practices. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Promptly remove soiled clothing and wash thoroughly before reuse.

Use only outdoors or in a well-ventilated area. Do not breathe mist, spray, and vapours.

Do not get in eyes, on skin, or on clothing. Use appropriate personal protection equipment (PPE). Wear protective gloves, eye protection, face protection (refer to section 8 for more details).

See section 2 for further details.

Section 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical State	liquid
Color	Clear
Odor	Odorless
Freezing point	-15.56 °C (3.99 °F)
Initial boiling point	101 °C (213.8 °F)
Flammability (solid, gas)	Not applicable
Upper/lower flammability or explosive limits	Lower Explosive Limit: No available information Upper Explosive Limit: No available information
Flash Point	°F °C, Test method: (Open/Close cup)
Auto-ignition temperature	No available information
Decomposition temperature	No available information
pH	1.4 – 2.6
Viscosity (cSt)	No available information
Solubility in Water	Completely Soluble in water.
Partition coefficient n-octanol/water (Log Kow)	No available information
Vapour pressure (Pa)	No available information
Relative Density	No available information
Vapour Density	No available information

Evaporation rate (Ether = 1)	No available information
	Not applicable

Specific Gravity	1.30 - 1.35
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Other information

No other relevant information.

Section 10. Stability and reactivity

Reactivity

May be corrosive to metals. Contact with metals may evolve flammable hydrogen gas. May react exothermically with water releasing heat. Adding an acid to a base or base to an acid may cause a violent reaction.

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, and incompatible materials.

Incompatible materials

Non acid-proof metals (such as aluminum, copper and iron), bases, unalloyed steel, galvanized surfaces.

Hazardous decomposition products

Can liberate toxic and corrosive fumes of SO₂ and SO₃ under extreme conditions when boiled to dryness or heated above 600 ° C (1112 ° F).

Section 11. Toxicological information

Acute toxicity

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation vapour LC50, mg/L/4hr	Inhalation Dust/Mist LC50, mg/L/4hr	Inhalation Gas LC50, ppm
Product Acute Toxicity Estimates	3495	NA	NA	NA	NA

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation vapour LC50, mg/L/4hr	Inhalation Dust/Mist LC50, mg/L/4hr	Inhalation Gas LC50, ppm
Aluminum sulfate - (10043-01-3)	2,500.00, Rat - Category: 5	No data available.	No data available.	No data available.	No data available.

Carcinogen Data

CAS No.	Ingredient	Source	Value
0010043-01-3	Aluminum sulfate	IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
		ACGIH	No Established Limit

Classification	Category	Hazard Description
Acute toxicity (oral)	---	Not Applicable
Acute toxicity (dermal)	---	Not Applicable
Acute toxicity (inhalation)	---	Not Applicable
Skin corrosion/irritation	1C	Causes severe skin burns and eye damage.
Serious eye damage/irritation	2	Causes serious eye irritation.
Respiratory sensitization	---	Not Applicable

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Skin sensitization	---	Not Applicable
Germ cell mutagenicity	---	Not Applicable
Carcinogenicity	---	Not Applicable
Reproductive toxicity	---	Not Applicable
STOT-single exposure	---	Not Applicable
STOT-repeated exposure	---	Not Applicable
Aspiration hazard	---	Not Applicable

Possible routes of entry:

Symptoms and effects, both acute and delayed:

Contact with skin causes severe skin burns. Causes serious eye damage.

Acute Health Effects: the substance causes serious eyes damage and severe burns.

EYE: Contact causes serious eye damage. Causes permanent damage to the cornea, iris, or conjunctiva with redness, pain, swelling, blurred vision, and severe burns (Immediate). No delayed effects from eye contact are expected. No chronic effects from eye contact are known.

SKIN: Causes severe irritation which will progress to chemical burns. Symptoms may include redness, pain, serious skin burns, and blisters. (Immediate). No delayed effects from skin contact are expected. No chronic effects from skin contact are known.

INHALATION: May be corrosive to the respiratory tract. Prolonged exposure may cause irritation of the upper respiratory passages. (Immediate). May cause delayed pulmonary edema. No chronic effects from inhalation are known.

INGESTION: May cause burns or irritation of the linings of the mouth, throat, and gastrointestinal tract (Immediate). No delayed symptoms from ingestion are expected. No chronic effects from ingestion are known.

Indication of Any Immediate Medical Attention and Special Treatment Needed: If exposed or concerned, get medical advice and attention.

Most likely route(s) of exposure Skin, Eyes

Eyes Causes serious eye irritation.

Skin Causes severe skin burns and eye damage.

Section 12. Ecological information

Toxicity

Harmful to aquatic life.

Aquatic Ecotoxicity

Ingredient	96 hr LC50 fish, mg/l	48 hr EC50 crustacea, mg/l	ErC50 algae, mg/l
Aluminum sulfate - (10043-01-3)	186.00, Danio rerio	38.20, Daphnia	0.45, Ceriodaphnia dubia

Persistence and degradability

There is no data available on the preparation itself.

Bioaccumulative potential

No available information

Mobility in soil

No available information

Results of PBT and vPvB assessment

This product contains no PBT/vPvB chemicals.

Other adverse effects

No available information

Section 13. Disposal considerations

Waste treatment methods

Dispose of waste material in accordance with all local, regional, federal, provincial, state, territorial and international regulations.

Ecology - Waste Materials: Avoid release to the environment. This material is hazardous to the aquatic environment. Keep out of sewers and waterways.

Additional Information: Container may remain hazardous when empty. Continue to observe all precautions.

Section 14. Transport information



Classification Method: Classified as per Part 2, Sections 2.1 - 2.8 of the Transportation of Dangerous Goods Regulations.

	DOT / TDG (Domestic Surface Transportation)	IMO / IMDG (Ocean Transportation)	ICAO/IATA
UN number	UN3264	UN3264	UN3264
UN proper shipping name	UN3264, Corrosive liquid, acidic, inorganic, n.o.s., (contains aluminum sulfate), 8, III	Corrosive liquid, acidic, inorganic, n.o.s., (contains aluminum sulfate)	Corrosive liquid, acidic, inorganic, n.o.s., (contains aluminum sulfate)
Transport hazard class(es)	TDG Hazard Class: 8 Sub Class: Not Applicable	IMDG: 8 Sub Class: Not Applicable	Air Class: 8 Sub Class: Not Applicable
Packing group	III	III	III
Environmental hazards			

Marine Pollutant: No;

Special precautions for user

No available information

Section 15. Regulatory information

Regulatory Overview The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.

NFPA Ranking

Health (blue) :3

Fire (red) :0

Reactivity (yellow) :1

Special (white) :ACID



This product has been classified in accordance with the hazard criteria Hazardous Products Regulations (SOR/2015-17) and the SDS contains all of the information required by those regulations.

Toxic Substance Control Act (TSCA):

Aluminum sulfate (Present)

Water (Present)

EPCRA 311/312 Chemicals and RQs (lbs):

Aluminum sulfate (5,000.00)

Canadian Domestic Substance List (DSL):

Aluminum sulfate

Water

Canadian Non-Domestic Substance List (NDSL):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

New Jersey RTK Substances (>1%):

Aluminum sulfate

Pennsylvania RTK Substances (>1%):

Aluminum sulfate

Proposition 65 - Carcinogens (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Developmental Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Female Repro Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Male Repro Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 Label Warning:

This product contains no chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

Chemical Name (CAS Number)	US TSCA	Australia AICS	Korea ECL	EU EINECS	EU ELINCS	EU SVHC	EN NLP	Mexico INSQ

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Aluminum sulfate (0010043-01-3)	Yes	Yes	Yes	Yes	No	No	No	Yes
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Chemical Name (CAS Number)	China IECSC	Japan ENCS	Japan ISHL	Japan PDSCL	Japan PRTR 1	Japan PRTR 2	Philippines PICCS	New Zealand NZIOC
Aluminum sulfate (0010043-01-3)	Yes	Yes	No	No	No	No	Yes	Yes

Section 16. Other information

Revision Date 10/03/2023

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

The full text of the phrases appearing in section 3 is:

H290 May be corrosive to metals.

H318 Causes serious eye damage.

H402 Harmful to aquatic life.

Disclaimer: The information presented herein is supplied as a guide to those who handle or use this product. Safe work practices must be employed when working with any materials. It is important that the end user makes a determination regarding the adequacy of the safety procedures employed during the use of this product.

Revision Summary

Section :	Modification
2	Updated skin corrosion category to H314 1C to match Transportation packing group III

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™.





The Public Health and Safety Organization

NSF Product and Service Listings

These NSF Official Listings are current as of **Tuesday, April 15, 2025** at 12:15 a.m. Eastern Time. Please contact NSF to confirm the status of any Listing, report errors, or make suggestions.

Alert: NSF is concerned about fraudulent downloading and manipulation of website text. Always confirm this information by clicking on the below link for the most accurate information:

<http://info.nsf.org/Certified/PwsChemicals/Listings.asp?>

[CompanyName=chemtrade+solutions&TradeName=ALUM&PlantCountry=CANADA&](http://info.nsf.org/Certified/PwsChemicals/Listings.asp?CompanyName=chemtrade+solutions&TradeName=ALUM&PlantCountry=CANADA&)

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

Chemtrade Solutions LLC (formerly General Chemical LLC)

155 Gordon Baker Road

Suite 300

Toronto, ON M2H 3N5

Canada

866-887-8805

416-496-5856

Visit this company's website

(<http://www.chemtradelogistics.com>)

Facility : Burnaby, British Columbia, Canada

Aluminum Sulfate[AL]

Trade Designation

Alum

Aluminum Sulfate

Liquid Alum

Product Function

Coagulation & Flocculation

Coagulation & Flocculation

Coagulation & Flocculation

Max Use

400mg/L

400mg/L

400mg/L

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

Facility : Campbellton, New Brunswick, Canada

Aluminum Sulfate[AL]

<i>Trade Designation</i>	<i>Product Function</i>	<i>Max Use</i>
Alum	Coagulation & Flocculation	400mg/L
Aluminum Sulfate	Coagulation & Flocculation	400mg/L
Liquid Alum	Coagulation & Flocculation	400mg/L

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

Facility : Thorold, Ontario, Canada

Aluminum Chloride[AL]

<i>Trade Designation</i>	<i>Product Function</i>	<i>Max Use</i>
Aluminum Chloride Solution	Coagulation & Flocculation	200mg/L

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

Aluminum Sulfate[AL]

<i>Trade Designation</i>	<i>Product Function</i>	<i>Max Use</i>
Alum	Coagulation & Flocculation	400 mg/L
Aluminum Sulfate	Coagulation & Flocculation	400mg/L
Liquid Alum	Coagulation & Flocculation	400mg/L
Liquid Alum Acidized 0.5 - 10.0%	Coagulation & Flocculation	400mg/L

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

Polyaluminum Chloride[AL]

<i>Trade Designation</i>	<i>Product Function</i>	<i>Max Use</i>
Polyaluminum Chloride	Coagulation & Flocculation	250 mg/L

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

Facility : Thunder Bay, Ontario, Canada

Aluminum Sulfate[AL]

<i>Trade Designation</i>	<i>Product Function</i>	<i>Max Use</i>
Alum	Coagulation & Flocculation	400mg/L
Aluminum Sulfate	Coagulation & Flocculation	400mg/L
Liquid Alum	Coagulation & Flocculation	400mg/L
Liquid Alum Acidized 0.5 - 10.0%	Coagulation & Flocculation	400mg/L

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

Facility : Valleyfield, Quebec, Canada

Aluminum Chloride[AL]

<i>Trade Designation</i>	<i>Product Function</i>	<i>Max Use</i>
Aluminum Chloride Solution	Coagulation & Flocculation	200mg/L

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

Aluminum Sulfate[AL]

<i>Trade Designation</i>	<i>Product Function</i>	<i>Max Use</i>
Alum	Coagulation & Flocculation	400 mg/L
Aluminum Sulfate	Coagulation & Flocculation	400 mg/L
Liquid Alum	Coagulation & Flocculation	400mg/L

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

Polyaluminum Chloride[AL]

<i>Trade Designation</i>	<i>Product Function</i>	<i>Max Use</i>
Polyaluminum Chloride	Coagulation & Flocculation	250 mg/L

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

Number of matching Manufacturers is 1

Number of matching Products is 21

Processing time was 0 seconds



The Public Health and Safety Organization

NSF Product and Service Listings

These NSF Official Listings are current as of **Tuesday, April 15, 2025** at 12:15 a.m. Eastern Time. Please contact NSF to confirm the status of any Listing, report errors, or make suggestions.

Alert: NSF is concerned about fraudulent downloading and manipulation of website text. Always confirm this information by clicking on the below link for the most accurate information:

<http://info.nsf.org/Certified/PwsChemicals/Listings.asp?>

[CompanyName=chemtrade+solutions&TradeName=ALUM&PlantCountry=CANADA&](http://info.nsf.org/Certified/PwsChemicals/Listings.asp?CompanyName=chemtrade+solutions&TradeName=ALUM&PlantCountry=CANADA&)

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

Chemtrade Solutions LLC (formerly General Chemical LLC)

155 Gordon Baker Road

Suite 300

Toronto, ON M2H 3N5

Canada

866-887-8805

416-496-5856

Visit this company's website

(<http://www.chemtradelogistics.com>)

Facility : Burnaby, British Columbia, Canada

Aluminum Sulfate[AL]

Trade Designation

Alum
Aluminum Sulfate
Liquid Alum

Product Function

Coagulation & Flocculation
Coagulation & Flocculation
Coagulation & Flocculation

Max Use

400mg/L
400mg/L
400mg/L

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

Facility : Campbellton, New Brunswick, Canada

Aluminum Sulfate[AL]

<i>Trade Designation</i>	<i>Product Function</i>	<i>Max Use</i>
Alum	Coagulation & Flocculation	400mg/L
Aluminum Sulfate	Coagulation & Flocculation	400mg/L
Liquid Alum	Coagulation & Flocculation	400mg/L

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

Facility : Thorold, Ontario, Canada

Aluminum Chloride[AL]

<i>Trade Designation</i>	<i>Product Function</i>	<i>Max Use</i>
Aluminum Chloride Solution	Coagulation & Flocculation	200mg/L

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

Aluminum Sulfate[AL]

<i>Trade Designation</i>	<i>Product Function</i>	<i>Max Use</i>
Alum	Coagulation & Flocculation	400 mg/L
Aluminum Sulfate	Coagulation & Flocculation	400mg/L
Liquid Alum	Coagulation & Flocculation	400mg/L
Liquid Alum Acidized 0.5 - 10.0%	Coagulation & Flocculation	400mg/L

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

Polyaluminum Chloride[AL]

<i>Trade Designation</i>	<i>Product Function</i>	<i>Max Use</i>
Polyaluminum Chloride	Coagulation & Flocculation	250 mg/L

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

Facility : Thunder Bay, Ontario, Canada

Aluminum Sulfate[AL]

<i>Trade Designation</i>	<i>Product Function</i>	<i>Max Use</i>
Alum	Coagulation & Flocculation	400mg/L
Aluminum Sulfate	Coagulation & Flocculation	400mg/L
Liquid Alum	Coagulation & Flocculation	400mg/L
Liquid Alum Acidized 0.5 - 10.0%	Coagulation & Flocculation	400mg/L

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

Facility : Valleyfield, Quebec, Canada

Aluminum Chloride[AL]

<i>Trade Designation</i>	<i>Product Function</i>	<i>Max Use</i>
Aluminum Chloride Solution	Coagulation & Flocculation	200mg/L

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

Aluminum Sulfate[AL]

<i>Trade Designation</i>	<i>Product Function</i>	<i>Max Use</i>
Alum	Coagulation & Flocculation	400 mg/L
Aluminum Sulfate	Coagulation & Flocculation	400 mg/L
Liquid Alum	Coagulation & Flocculation	400mg/L

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

Polyaluminum Chloride[AL]

<i>Trade Designation</i>	<i>Product Function</i>	<i>Max Use</i>
Polyaluminum Chloride	Coagulation & Flocculation	250 mg/L

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

Number of matching Manufacturers is 1

Number of matching Products is 21

Processing time was 0 seconds

JEFFREY LANIGAN
MAYOR



JENNIFER GLEASMAN
PURCHASING AGENT

PURCHASING DEPARTMENT

ROME CITY HALL ♦ 198 N. WASHINGTON STREET
ROME, NEW YORK 13440-5815
(315) 339-7665 ♦ FAX (315) 838-1165
jgleasman@romecitygov.com
www.romenewyork.com

BID NUMBER: RFB-2025-008

BID TITLE: THE SUPPLY AND DELIVER APPROXIMATELY 200 DRY TONS OF
LIQUID ALUMINUM SULFATE ANNUALLY TO CITY OF ROME
WATER FILTRATION PLANT.

BID OPENING: 4/24/25 at 11:00 AM (local time)

COMPANY NAME: Holland Company, Inc.

MAILING ADDRESS: 153 Howland Avenue

Adams, MA 01220-1199

PHONE: 413-743-1292 / 1-800-639-9602

FAX: 413-743-1298

EMAIL: hcoffice@hollandcompany.com

WEBSITE: www.hollandcompany.com

SIGNATURE: 

PRINTED NAME/TITLE: Matthew B. Holland, Manager

* **TOTAL OF BID:** \$ 111,000.00 (200 dry tons x \$555.00 per dry ton)

PROPOSER'S WARRANTY: The above-signed person by his/her affixed signature certifies that he/she is an officer of the organization. He/she has been specifically authorized to offer a proposal in full compliance with all requirements and conditions, as set forth in this Proposal, other than those deviations noted above. He/she has fully read and understands the Proposal and has full knowledge of the scope, nature, quantity, and quality of work to be performed and that he/she has carefully examined and checked the materials, equipment, labor, service, and cost thereof, and hereby states that the amount or amounts set forth in the proposal is or are correct. The bidder further agrees not to make claim for reformation, modification, or correction of this proposal after the scheduled closing time for receipt of proposal bids.

- * Same day emergency, weekend, and holiday delivery available.
See enclosed Technical Support and After Hours Telephone List.

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INVITATION AND INSTRUCTIONS TO BID

The City of Rome, New York invites your firm to participate in the enclosed Request for Bid for:

BID NUMBER: RFB-2025-008

BID TITLE: THE SUPPLY AND DELIVER APPROXIMATELY 200 DRY TONS OF LIQUID ALUMINUM SULFATE ANNUALLY TO CITY OF ROME WATER FILTRATION PLANT.

This sealed bid will be publicly opened and read in the Common Council Chambers on **4/24/2025 at 11:00 AM (local time)**

Bid must be covered by Money Order, Certified Check, or Bid Bond in the amount of 5% of the amount of the total bid.

Sealed bids must be clearly marked with the bid number and title and sent to the address below, where they will be time-stamped, local time to:

**Office of the City Clerk
RFB-2025-008
Rome City Hall
198 North Washington Street
Rome, NY 13440**

If additional information is required, please contact:

**JENNIFER GLEASMAN, PURCHASING AGENT
City of Rome
198 North Washington Street
Suite 1-C
Rome, NY 13440**

Phone: 315-339-7665

Fax: 315-838-1165

Email: jgleasman@romecitygov.com

Bid is available electronically at WWW.BIDNET.COM . WWW.ROMENEWYORK.COM . WWW.MYBE.COM



GENERAL CONDITIONS

SCOPE OF WORK:

Scope of work will be listed under the **TECHNICAL SPECIFICATIONS** pages 11-12.

CONTRACT PERIOD:

Shall be for one year from date of execution with (2) extensions of (12) months, and may be awarded upon mutual written agreement between the City of Rome and the Vendor.

QUESTIONS REGARDING SPECIFICATIONS:

Any questions relative to interpretation of specifications may be directed to the Purchasing Agent, Jennifer Gleasman at 315-339-7665 or by e-mail to jgleasman@romecitygov.com

TAX:

Purchases by the City of Rome, New York, are not subject to any sales tax, federal excise tax or transportation tax. City of Rome Federal ID No: 15-6000414

FINANCE CHARGES:

The City of Rome will not be subjected to finance or late charges under this contract.

PRICE:

Best and final price shall be offered. All pricing shall remain firm for the term of the contract. The Consumer Price Index will be the standard for any price adjustments requested for fuel and/or commodities. Such request must be submitted in writing to be considered for approval by the City.

DURATION OF PROPOSAL OFFER:

Proposals are irrevocable for a period of sixty (60) calendar days following the closing date of this bid proposal.

METHOD OF AWARD:

The contract shall be awarded to the lowest responsible and responsive bidder whose bid meets the requirements set forth herein. Final determination will be made by the City as deemed to be in its best interests. Taken into consideration will be the reliability of the bidder, the quality of the materials/services offered, their level of quality and conformity with the specifications, and the terms of delivery.

ACCEPTANCE OR REJECTION:

The City of Rome Board of Estimate and Contract reserves the right to accept or reject any or all bids received.

COMPLETION DATE & DELIVERY SCHEDULE:

Each bidder must include in the bid an approximate delivery date from contract award. Delivery time may or may not be considered at the time of bid consideration.

TIME IS OF THE ESSENCE:

All times stated herein are of the essence.

NOTICE OF DELAY:

If the successful bidder encounters difficulty in meeting performance requirements or has knowledge of a possible delay, the vendor shall immediately notify the Purchasing Agent, preferably in writing. A slippage will require the vendor to demonstrate an alternate means of recovering the anticipated or actual delay in contract performance.

GUARANTEE/WARRANTY

The bidder must guarantee that the equipment offered is a model of regular stock product, with parts regularly used for this type of equipment offered; also, that no attachment or part has been substituted or applied contrary to manufacturer's recommendations or standard practices. The unit delivered must be warranted against faulty materials and workmanship for a period that should such faults develop, the bidder agrees to replace/repair the unit or part affected without cost to the City of Rome, New York, with all replacement parts paid for by the contractor.

INSURANCE

The contractor (vendor) shall maintain such insurance as will protect him from all claims under the Workers' Compensation Act and all other causes of action for personal injury and property damage, naming the City of Rome as an additional insured. The requirements that need to be on a Certificate of Insurance are:

Workers' Compensation

- *Vendor must supply proof of their Workers' Compensation insurance and should generally be reported on a separate page.*
- *If they are not required to carry it, then they must supply a letter stating that they are a sole proprietor and/or have no employees and are not required to carry Workers' compensation.*

General Liability

- *\$2,000,000 for each occurrence of property damage and bodily injury, and not less than*
- *\$4,000,000 aggregate*
- *\$1,000,000 auto liability, if vehicles are used.*

Description Section

- *Should read "The City of Rome is included as additional insured".*

Certificate Holder and Additional Insured

- *Should read the City of Rome only. It should not include an individual department or the name of an individual person.*

Cancellation Section

- *Should read "30 days written notice".*

CONTRACT TERMINATION:

The City may terminate for cause if the vendor fails to perform any material condition of the contract and such failure continues remedied for thirty (30) days after receipt of notice from the City.

LIMITATIONS:

Neither the vendor nor its affiliates shall be liable in any way for delay, failure in performance, loss damage due to any of the following conditions: fire, explosion, power blackout, earthquake, flood, the elements, civil or military authority, or acts of God. The vendor shall be liable for any delay, loss, and property damage attributable to any service or actions of any of its employees or agents.

GENERAL:

Any modification or waiver of any provision of the Contract must be in writing and signed by authorized representatives of both parties. If any term or provision of the contract shall be held invalid or unenforceable, the remainder of the contract shall not be affected.

The waiver by either party of any breach of the Contract by the other party will not operate as a waiver of subsequent breaches of the same or different kind.

LITERATURE:

Each bidder shall include product or equipment literature as available.

PROTEST AND APPEAL PROCEDURES:

Protests regarding the validity or appropriateness of the specifications or of the Request for proposal shall be filed in writing with the City Treasurer no later than two (2) days prior to the closing of the bids. The address to submit the protest is:

City Clerk
City of Rome
198 N. Washington St.
Rome, New York 13440

Such protests will not be considered if received later than the date established in paragraph above. Protests shall be explicit and in sufficient detail to stand on their own record. Post-award protests shall be in writing in a diligent and timely fashion and to be received in the City Clerk's Office no later than five (5) days after receipt of the award notice.

PROPOSAL GUARANTEE (BID BOND):

Each proposal bid must be guaranteed by cash, certified check, or bid bond in the amount of 5% of the amount of the bid total. The City may hold the proposal guarantee until the execution of the contract. All other proposal guarantees will be returned within thirty (30) days after proposal opening. The proposal guarantee of any proposer who withdraws a proposal after proposals are opened shall be forfeited to the City, irrespective of the reason for such withdrawal. The City may hold the proposal guarantee until the execution of the contract. All other proposal guarantees will be returned within thirty (30) days after proposal opening. The proposal guarantee of any proposer who withdraws a proposal after proposals are opened shall be forfeited to the City, irrespective of the reason for such withdrawal.

GENERAL MUNICIPAL LAW COMPLIANCE:

STATE OF NEW YORK, Section 103-a
Effective: July 1, 1959

"Upon the refusal of a person, when called before a Grand Jury to testify concerning any transaction or contract had with the State, any political subdivision thereof, a public authority or with any public department, agency or an official of the state or any political subdivision thereof or of a public authority, to sign a waiver of immunity against subsequent criminal prosecution or to answer any relevant questions concerning such transaction or contract, (a) such person, and any firm, partnership or

corporation of which he is a member, partner, or director or officer shall be disqualified from thereafter selling to or submitting bids to or receiving awards from or entering into any contracts with any municipal corporation or any public department, agency or official thereof for goods, work or services, for a period of five years after such refusal, and (b) any and all contract made with any municipal corporation or any public department, agency or official thereof, since the effective date of this law, by such person, and by any firm, partnership or corporation of which he is a member, partner, director or officer may be cancelled or terminated by the municipal corporation without incurring any penalty or damages on account of such cancellations or termination, by any monies owing by the municipal corporation for goods delivered or work done prior to the cancellation or termination shall be paid all pursuant to Section 103-a of the General Municipal Law of the State of New York."

MINORITY BUSINESS ENTERPRISE PARTICIPATION:

Minority and women-owned business enterprises are encouraged in the performance of all City material, supply, professional and construction contracts and sub-contracts;

A "minority business enterprise" is defined as a business firm which is at least fifty-one percent (51%) owned by minority group members. The minority ownership must exercise actual day-to-day management and control of the business. "Minority" means Blacks, Hispanics, American Indians, Alaskan Natives, Asians and Pacific Islanders.

A "women-owned business enterprise" is defined as a business firm which is at least fifty-one percent (51%) owned by women. The women ownership must exercise actual day-to-day management and control of business.

Bidders are requested to provide the following:

- a. Is your company 51% or more women owned? ___ yes X no
- b. Is your company 51% or more minority owned? ___ yes X no
- c. If you answer YES to Number 2, check one of the following:
 ___ Black ___ Hispanic ___ Alaskan Native
 ___ Asian/Pacific Islands ___ American Indian

RESPONSIBLE BIDDER

Each bidder will complete the following to enable the City to determine a Responsible Bidder.

- A. Is your firm presently engaged in actions which will lead to a merger, consolidation, or other form of reorganization? ___ yes X no
- B. Has your firm filed for bankruptcy? ___ yes X no

In determining the "lowest responsible bidder," in addition to price, the purchasing authority shall consider the ability, capacity and skill of the bidder to perform the contract or provide the service required; whether the bidder can perform the contract or provide the service promptly or within the time specified, without delay or interference; the character, integrity, reputation, judgment, experience and efficiency of the bidder; the quality of performance or previous contracts or services; the and existing compliance by the bidder with laws and ordinances relating to the contract or service; the sufficiency of the financial resources and ability of the bidder to perform the contract or provide the service; the quality, availability and adaptability of the

supplies or contractual services to the particular use required; the ability of the bidder to provide future maintenance and service for the use of the subject of the contract; and the number and scope of conditions attached to the bid.

DEVIATIONS SHEET

DEVIATIONS FROM SPECIFICATIONS:

Bidders must itemize all deviations to the specifications on Deviations Sheet. If this is not sufficient space, attach additional sheets as required. A statement referring to manufacturer's literature or specifications without stating the actual deviation thereon will be cause for disqualification. Unless otherwise stated by the bidder on the attached sheet provided, the proposal will be considered as being in strict accordance with the specifications outlined herein, even though the manufacturer's literature indicated deviations from the City's specifications.

BIDDERS CHECKLIST

This bid may not be acceptable without completing the following information. For your protection, please review your bid and indicate by a check mark that all requested information has been included and/or read:

- | | | |
|-------|--|--------------------|
| (✓) | PROPOSER'S WARRANTY | Ref Page 1 |
| (✓) | INSTRUCTIONS TO BIDDERS | Ref Page 3 |
| (✓) | MINORITY BUSINESS ENTERPRISE PARTICIPATION | Ref Page 7 |
| (✓) | RESPONSIBLE BIDDER | Ref Page 7 |
| (✓) | DEVIATIONS SHEET | Ref Page 8 |
| (✓) | NON-COLLUSIVE BIDDING CERTIFICATE | Ref Page 9 |
| (✓) | BIDDERS LIST OF REFERENCES | Supplied By Bidder |

Do not separate or remove any pages from this bid package. Doing so may render your bid invalid. Please return the checklist with your bid



TECHNICAL SPECIFICATIONS

LIQUID ALUMINUM SULFATE

- QUANTITIES:** Quantity is approximate; contract shall be for the actual quantity ordered during the contract period. The quantity of Liquid Aluminum Sulfate shall be approximately 200 dry tons per annum.
- TAX:** Purchases made by the city of Rome are not subject to any sales tax, federal excise tax or transportation tax.
- PRICE:** Price shall be F.O.B. Rome Water Filtration Plant, 6105 Stokes-Lee Center Road, Lee Center, NY 13363
- AWARD:** Award will be made to lowest responsible bidder who meets the Technical Specifications. Items offered must meet the requirements of the City of Rome and must be approved by the City or Rome Public Works Commissioner, or his authorized agent. The City of Rome reserves the right to reject any or all bids, whichever may serve the best interest of the City of Rome.
- DELIVERY:** Delivery of Aluminum Sulfate shall be in liquid form in tank truck shipments not to be less than 40,000 lbs each when called for during the contract period. Supplier will not charge extra for weekend, holiday or "after hours" deliveries.
- MATERIAL SPECIFICATIONS:** The Liquid Aluminum Sulfate shall be certified pursuant to American National Standards Institute (ANSI)/National Sanitation Foundation (NSF) Standard 60. It shall meet all applicable requirements of AWWA and the New York State Health Department. The vendor will furnish an Affidavit of Compliance with the ANSI/NSF Std 60 with the bid.
- The Liquid Aluminum Sulfate supplied must be manufactured using un-refined Bauxite ore and

Sulfuric Acid. Hydrate-based material will not be accepted.

The product must contain a minimum of 8.3% Aluminum Sulfate and have a pH of 2.1 to 2.5. Alum should not contain any free acid.

**DEVIATIONS
FROM SPECIFICATIONS:**

A bidder may submit a proposal containing deviations from the Detailed Specifications and shall state wherein his bid differs from the specifications. Consideration may or may not be given to any or all such deviations, whichever is in the best interests of the City of Rome, New York.

MSDS: A Material Safety Data Sheet must be included with the first shipment.

BID BOND

**Travelers Casualty and Surety Company of America
Hartford, CT 06183**

KNOWN ALL BY THESE PRESENTS, That we, Holland Company, Inc.,
as Principal, and Travelers Casualty and Surety Company of America, as Surety, are
held and firmly bound unto City of Rome, as
Obligee, in the sum of Five thousand five hundred and fifty
Dollars (5550) for the payment of which we bind ourselves, and our
successors and assigns, jointly and severally, as provided herein.

WHEREAS, Principal has submitted or is about to submit a bid to the Obligee on a
contract for supply and delivery of Liquid Aluminum Sulfate
("Project").

NOW, THEREFORE, the condition of this bond is that if Obligee accepts Principal's bid,
and Principal enters into a contract with Obligee in conformance with the terms of the
bid and provides such bond or bonds as may be specified in the bidding or contract
documents, then this obligation shall be void; otherwise Principal and Surety will pay to
Obligee the difference between the amount of Principal's bid and the amount for which
Obligee shall in good faith contract with another person or entity to perform the work
covered by Principal's bid, but in no event shall Surety's and Principal's liability exceed
the penal sum of this bond.

Signed this 22nd day of April, 2025.

Mathew Holland
(Principal)

By: 



Travelers Casualty and Surety Company of America

By: 
Tracy Lane, Attorney-in-Fact



**Travelers Casualty and Surety Company of America
Travelers Casualty and Surety Company
St. Paul Fire and Marine Insurance Company**

POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS: That Travelers Casualty and Surety Company of America, Travelers Casualty and Surety Company, and St. Paul Fire and Marine Insurance Company are corporations duly organized under the laws of the State of Connecticut (herein collectively called the "Companies"), and that the Companies do hereby make, constitute and appoint **Tracy Lane** of **PITTSFIELD Massachusetts**, their true and lawful Attorney(s)-in-Fact to sign, execute, seal and acknowledge any and all bonds, recognizances, conditional undertakings and other writings obligatory in the nature thereof on behalf of the Companies in their business of guaranteeing the fidelity of persons, guaranteeing the performance of contracts and executing or guaranteeing bonds and undertakings required or permitted in any actions or proceedings allowed by law.

IN WITNESS WHEREOF, the Companies have caused this instrument to be signed, and their corporate seals to be hereto affixed, this **21st** day of **April, 2021**.



State of Connecticut

City of Hartford ss.

By: 
Robert L. Raney, Senior Vice President

On this the **21st** day of **April, 2021**, before me personally appeared **Robert L. Raney**, who acknowledged himself to be the Senior Vice President of each of the Companies, and that he, as such, being authorized so to do, executed the foregoing instrument for the purposes therein contained by signing on behalf of said Companies by himself as a duly authorized officer.

IN WITNESS WHEREOF, I hereunto set my hand and official seal.

My Commission expires the **30th** day of **June, 2026**




Anna P. Nowik, Notary Public

This Power of Attorney is granted under and by the authority of the following resolutions adopted by the Boards of Directors of each of the Companies, which resolutions are now in full force and effect, reading as follows:

RESOLVED, that the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President, any Vice President, any Second Vice President, the Treasurer, any Assistant Treasurer, the Corporate Secretary or any Assistant Secretary may appoint Attorneys-in-Fact and Agents to act for and on behalf of the Company and may give such appointee such authority as his or her certificate of authority may prescribe to sign with the Company's name and seal with the Company's seal bonds, recognizances, contracts of indemnity, and other writings obligatory in the nature of a bond, recognizance, or conditional undertaking, and any of said officers or the Board of Directors at any time may remove any such appointee and revoke the power given him or her; and it is

FURTHER RESOLVED, that the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President may delegate all or any part of the foregoing authority to one or more officers or employees of this Company, provided that each such delegation is in writing and a copy thereof is filed in the office of the Secretary; and it is

FURTHER RESOLVED, that any bond, recognizance, contract of indemnity, or writing obligatory in the nature of a bond, recognizance, or conditional undertaking shall be valid and binding upon the Company when (a) signed by the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President, any Second Vice President, the Treasurer, any Assistant Treasurer, the Corporate Secretary or any Assistant Secretary and duly attested and sealed with the Company's seal by a Secretary or Assistant Secretary; or (b) duly executed (under seal, if required) by one or more Attorneys-in-Fact and Agents pursuant to the power prescribed in his or her certificate or their certificates of authority or by one or more Company officers pursuant to a written delegation of authority; and it is

FURTHER RESOLVED, that the signature of each of the following officers: President, any Executive Vice President, any Senior Vice President, any Vice President, any Assistant Vice President, any Secretary, any Assistant Secretary, and the seal of the Company may be affixed by facsimile to any Power of Attorney or to any certificate relating thereto appointing Resident Vice Presidents, Resident Assistant Secretaries or Attorneys-in-Fact for purposes only of executing and attesting bonds and undertakings and other writings obligatory in the nature thereof, and any such Power of Attorney or certificate bearing such facsimile signature or facsimile seal shall be valid and binding upon the Company and any such power so executed and certified by such facsimile signature and facsimile seal shall be valid and binding on the Company in the future with respect to any bond or understanding to which it is attached.

I, **Kevin E. Hughes**, the undersigned, Assistant Secretary of each of the Companies, do hereby certify that the above and foregoing is a true and correct copy of the Power of Attorney executed by said Companies, which remains in full force and effect.

Dated this **22nd** day of **April**, **2025**.




Kevin E. Hughes, Assistant Secretary

**To verify the authenticity of this Power of Attorney, please call us at 1-800-421-3880.
Please refer to the above-named Attorney(s)-in-Fact and the details of the bond to which this Power of Attorney is attached.**



Holland COMPANY INC.

153 HOWLAND AVENUE
ADAMS, MA 01220-1199
(TEL.) 413 743-1292
(FAX) 413 743-1298

Bidder References List

1. City of Rome, New York
Water Treatment Plant
Justin Pacheco (315) 339-7777
2. City of Oneida, New York
Water Treatment Plant
Travis Mehl (315) 363-9377
3. Town of Queensbury, New York
Water Treatment Plant
Chris Harrington (518) 793-8866

Bidder Qualifications, Warranty, Delivery Schedule

Holland Company has been supplying Liquid Aluminum Sulfate to the City of Rome for more than 20 years. Holland Company continues to have the resources to manufacture and deliver Liquid Aluminum Sulfate to the City of Rome on an as needed basis. Holland Company has multiple Technical Service Representatives available to help with coagulant performance at the water plant. Holland Company is located within a few hours of the City of Rome, enabling us to provide quick and reliable delivery service. In the unlikely event substandard material is delivered to the City of Rome, Holland Company will remove and replace it at no cost.



Holland COMPANY INC.

153 HOWLAND AVENUE
ADAMS, MA 01220-1199
(TEL.) 413 743-1292
(FAX) 413 743-1298

Holland Company – Customer Care Technical Support

Holland Company offers technical support to assist in the use and application of its complete line of water treatment coagulants. Our support staff has a combined 60 years of experience in potable and wastewater treatment. This coagulant expertise is available to assist in meeting the numerous stringent treatment challenges you face.

We offer several levels of annual service:

1. Remote Tech Support

This includes phone or electronic communication to answer treatment questions and offer diagnostic suggestions, coagulant use guidelines and general water treatment chemistry information. Coverage is within three hours on normal business days, eight hours nights, weekends and holidays.

Remote Tech Support – \$75.00 per hour

2. On Site Tech Support

This includes all services listed above and Technical support at the treatment plant site or other designated area. Additional support items include jar testing, coagulant feed rate and pump setting checks, storage tank and coagulant feed system inspection.

On site Tech Support- \$150.00 per hour

3. Product Evaluation

Jar testing, pilot study coagulant evaluation and coagulant optimization studies. Pilot studies project support.

Product Evaluation - \$500 to \$750 per day per staff member, as determined by project review

4. Delivery Service

Holland Company will provide same day emergency, weekend and holiday delivery at no charge. See attached After Hours telephone list.

Please contact us for information: techsupport@hollandcompany.com or 1-800-639-9602

NOTE: TECHNICAL SUPPORT FEES WILL NOT BE CHARGED TO HOLLAND COMPANY CUSTOMERS

Holland Company, Inc. - Solving Water Treatment challenges since 1967



Holland
C O M P A N Y

"AFTER HOURS" CONTACT LIST

Phone list for after hours, weekend and holiday deliveries/service.

Please contact us by starting at top of the list.

Holland Company Plant :	413-743-1292 or 1-800-639-9602
Jon-Luc Goodrich	413-281-7759
Mike Holland	413-884-4291
Jim Holland	413-822-8754
Matt Holland	413-464-5125
Mike Badorini	413-585-9001 or 413-563-4720 mobile

HOLLAND COMPANY, INC.

"AFTER HOURS" CONTACT LIST



Holland Company, Inc.

153 Howland Ave. Adams Massachusetts 01220 U.S.A. / 413-743-1292 / www.hollandcompany.com

LIQUID ALUMINUM SULFATE

Aluminum Sulfate Hydrate - Basic

CAS # 17927-65-0

Certified by NSF International as meeting NSF/ANSI/CAN Standard 60 for Water Treatment Chemicals
Complies with current AWWA Standards for Aluminum Sulfate – Liquid

Manufactured in Adams MA at an NSF International Registered & Inspected Facility

ORDER - DELIVERY - SERVICE (24/7)

TYPICAL PROPERTIES & CHARACTERISTICS

Al_2O_3 : 8.1% - 8.4% **Basicity**: 0.3% \pm 0.2% **pH as is @ 77°F (25°C)**: 2.1 - 2.5

S.G. @ 60°F (15.6°C): 1.325 - 1.333 **Appearance**: Amber, clear to slight haze **Freeze Pt**: 4°F (-15°C) approx.

STORAGE & USE

Storage

In closed, labeled containers kept in a secure area.
Recommended to annually empty tanks, inspect and clean as needed.
Temperature: 40°F-100°F

Use

Recommended using full strength within 12 months of delivery

Orders or Technical Help call

800-639-9602 / 413-743-1292, Option to order using online customer access.

Normal lead time for bulk delivery

1-2 days. Deliveries made 7 days per week including holidays.

Emergency service

Same day emergency delivery can be available.

Packaging

Bulk Tank Truck, Mini Bulk

Refer to the Safety Data Sheet (SDS) before using or handling

The information set forth herein is furnished free of charge and is based on technical data that Holland believes to be reliable.

It is intended for use by persons having technical skill and at their own discretion and risk. Since conditions of use are outside our control, Holland Company makes no warranties, expressed or implied, and assumes no liability in connection with any use of this information. Nothing herein is or be taken as a license to operate under or a recommendation to infringe any patents.



Holland Company

LIQUID ALUMINUM SULFATE

Aluminum Sulfate Hydrate – Basic

Safety Data Sheet

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name: Liquid Aluminum Sulfate Hydrate (Basic)

Other means of Identification: SDS ID Liquid Aluminum Sulfate

Recommended use of chemical and restrictions on use: Water treatment and industrial applications

Company Information:

Holland Company, Inc.
153 Howland Avenue
Adams, MA 01220 U.S.A.
Phone: 413-743-1292

Emergency Phone:

Holland Company 1-800-639-9602
Chemtrac (USA) 1-800-424-9300
CANTUTEC (Canada) 1-613-996-6666

SECTION 2. HAZARDS IDENTIFICATION



WARNING

IRRITANT AVOID CONTACT



WARNING

MAY BE CORROSIVE TO SOME METALS

Hazard Statements

Irritating to eyes. Category 2

Skin contact may result in mild irritation.

Do not ingest May be harmful if swallowed. Category 5

May be corrosive to some metals. Category 1

Precautionary Statements

Avoid direct contact.

Use protective equipment if direct contact is possible.

Wash hands and any exposed skin thoroughly after contact.

Store and transfer using equipment of appropriate corrosion resistant materials of construction.



SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

Substance

Chemical name: Aluminum Sulfate (liquid)

Name: Liquid Aluminum Sulfate Hydrate - Basic

CAS#: 17927-65-0

Impurities: NA. No impurities or additives which are themselves classified and which contribute to the classification of this substance.

SECTION 4. FIRST AID MEASURES

Eye contact: Acute irritation.

Immediately rinse eyes with water for an extended period.

If irritation persists, get medical attention.

Skin contact: Possible acute irritation.

Remove contaminated clothing - footwear and wash skin with water.

If irritation develops get medical attention.

Ingestion: Possible acute discomfort.

In case of ingestion. Drink large amounts of water. Do not induce vomiting.

Get immediate medical advice.

Inhalation of mist: Possible acute irritation.

Remove from continued exposure.

If irritation or breathing difficulty occurs get immediate medical attention.

Most important symptoms/effects:

Serious eye irritation. Irritation to gastrointestinal tract.

Indication of immediate attention and special treatment needed:

If after direct contact, you feel unwell seek medical advice. Notes to physician treat symptomatically.

SECTION 5. FIRE FIGHTING MEASURES

Suitable extinguishing media:

Product is not flammable and will not burn. Use water to cool and maintain integrity of containers.

Unsuitable extinguishing media:

None identified.

Specific hazards from chemical:

Negligible fire hazard.

Hazardous combustion products from a fire may be oxides of sulfur.

Protective equipment:

As in any fire, appropriate firefighting protective gear and self-contained breathing apparatus (MSHA/NIOSH approved or equivalent) should be used.



SECTION 6. ACCIDENTAL RELEASE MEASURES

General:

Site specific procedures to address accidental spills are necessary as dictated by facility design, location, staffing, containment structures, and regulatory requirements.

Personal protection, protective equipment, and emergency services:

In the event of a spill clear unnecessary staff from spill area, isolate area and restrict entry. Avoid eye and skin contact with spilled material. If direct contact with spilled material is likely use protective equipment to prevent contact with eyes and skin. Do not release into sewers or waterways.

Methods and materials for containment and clean up:

Prevent further leakage or spillage if safe to do so. Manage spilled liquid using containment structures or inert materials to collect for reuse. Product not reused can be neutralized and converted to aluminum hydroxide using a mild alkali such as soda ash, or calcium carbonate (agricultural lime). Neutralized residue can be swept up or rinsed down with water and captured using absorbent materials for disposal in accordance with local, state, province, and federal regulations.

Caution: When neutralizing large spills CO₂ will be created and can be a breathing hazard. Take steps to provide adequate ventilation.

SECTION 7. HANDLING AND STORAGE

Incompatible Chemicals and Materials:

Avoid contact with sodium hypochlorite (bleach), chlorites, sulfites, strong bases, aqua ammonia. Avoid contact with common metals which may result in corrosion over time.

Containment:

Storage tanks should have a dedicated liquid tight secondary containment system to minimize the possibility of a release into the environment and to prevent contact with incompatible chemicals.

General hygiene:

Do not eat, drink, take medication or smoke when direct contact is possible. Always thoroughly wash hands after leaving a work area where contact is possible or has occurred.

Storage and transfer:

Store in covered containers in a secure location. To minimize the possibility of a release into the environment or contact with incompatible materials, storage tanks should have a dedicated liquid tight secondary containment system. Have storage tanks, containers, and transfer systems properly labeled for contents. Annually empty storage tanks to inspect and clean. Perform regular maintenance cleaning of the transfer system. For accepting deliveries have procedures for determining product quantity in storage tanks. Use tanks, containers, and transfer systems, pumps, valves, and process control instrumentation of appropriate materials of construction. Some materials commonly used are FRP, PVC, CPVC, Teflon®, and stainless steel. Over time, common metals such as steel, iron, copper, and aluminum may experience corrosion and their use should be avoided.

Temperature for storage:

Preferred storage temperature range is 5°C-38°C (40°F-100°F). Outside of these temperature ranges product handling and shelf life may be affected.

Ventilation:

No special requirements.

Personal protection:

If direct contact with material is likely use appropriate protective equipment.



SECTION 8. EXPOSURE CONTROL / PERSONNAL PROTECTION

Exposure guidelines:

No exposure limits noted for this substance.

Appropriate engineering controls:

Eyewash stations. Showers. Local passive ventilation is typically used. Under normal conditions respiratory protective equipment is not needed.

Individual protection measures, such as personal protective equipment:

Wear appropriate protective goggles or protect eyeglasses. Wear clothing that will prevent skin contact. Seek professional advice when selecting respiratory protection equipment.

Wash any contaminated clothes before reusing. Do not eat, drink, take medication, apply cosmetics, or smoke where direct contact is possible. Always thoroughly wash hands after leaving a work area.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Liquid clear to slight haze. Colorless to amber or green tint.

Odor: Negligible.

Odor threshold: Not determined.

pH: > 2.0 @ 25°C (77°F) Typical: 2.2 - 2.6.

Freeze point approx.: -13°C (8°F)

Boiling point-range: Not determined.

Flash point: NA.

Evaporation rate: Similar to water.

Flammability (solid, gas): Not flammable.

Upper/lower flammability or explosive limits: NA

Vapor pressure: Similar to water.

Vapor density: Similar to water.

Relative Density (specific gravity): 1.29 - 1.34 @ 21°C (70°F)

Water Solubility: Complete.

Partial coefficient: n-octanol/water: NA, inorganic compound column 2 of REACH Annex VII.

Auto ignition: Not flammable.

Decomposition temperature: Not determined.

Viscosity: No data.

SECTION 10. STABILITY AND REACTIVITY

Reactivity: Not reactive under normal conditions.

Chemical stability: Stable under recommended conditions of storage.

Possible hazardous reactions: Contact with strong alkalis such as sodium hydroxide, ammonia, hypochlorite (bleach) may generate heat, splattering and hazardous vapors.

Hazardous polymerization: Does not occur.

Conditions to avoid: Unaffected by static discharge, shock, or vibration.

Incompatible Materials: Chlorite, hypochlorite (bleach), sulfites, strong bases, common metals.

Hazardous decomposition products: None expected under normal conditions of use and storage.



SECTION 11. TOXICOLOGY INFORMATION

Information on likely routes of exposure:

Eye, Skin, Ingestion, inhalation (of liquid mists).

Reported Oral LD50 (Rat) > 5,000 mg/kg Dermal: No information Inhalation: No information

Symptoms and immediate (Acute) effects:

Eye contact: Contact causes serious eye irritation.

Skin contact: Repeated contact may cause irritation.

Inhalation: Avoid breathing liquid mists. May cause irritation.

Ingestion: Do not taste or swallow. May be harmful if swallowed.

Symptoms and delayed (Chronic) effects: NA

Numerical measures of toxicity: Not determined.

Carcinogenicity listing: NTP Not listed. IARC Not listed. OSHA Not listed.

Reproductive toxicity, germ cell mutagenic, or teratogenic effects: Not classified.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity: An environmental hazard cannot be excluded in the event of incorrect or unprofessional handling, or disposal of unused material.

Aquatic: Reported fish LC50 static 1460-1500 mg/L 48h *Leuciscus idus melanotuss*.

Persistence and degradability: Not determined

Bioaccumulation potential: Not determined

Mobility in Soil: Not determined

Other adverse effects: Not determined

SECTION 13. DISPOSAL CONSIDERATIONS

RCRA Hazardous waste: Unused material is not listed as a hazardous waste.

Disposal of Waste: Dispose of waste and unused material in accordance with applicable local, regional, and national laws and regulations.

Contaminated packaging: Dispose of waste and unused material in accordance with applicable local, regional, and national laws and regulations

SECTION 14. TRANSPORTATION INFORMATION

Note: Please see current shipping documents for up the most to date information.

Land (DOT), Sea (IMDG), Air (ICAO/IATA)

UN number: UN3082

Shipping name: Environmentally hazardous substance inorganic (aluminum sulfate solution) N.O.S.

Hazard class: 9

Packing group: III

Marine pollutant: No

Special precautions: None known



SECTION 15. REGULATORY INFORMATION

RCRA Hazardous waste: Not Listed

CERCLA Hazardous substance: Not listed CWA, Sec.311 (b) (4)

CERCLA Reportable Quantity (RQ): 5,000lbs as $Al_2(SO_4)_3$ - anhydrous, containing 29.8% Al_2O_3 which is approximate equivalent to 1,600 gallons of liquid Aluminum Sulfate Hydrate (8.3% Al_2O_3).

RCRA Hazardous waste: Not Listed

CWA (Clean Water Act): Not determined

SARA 311/312 Hazard Categories:

Acute (immediate) health effects: Yes

Chronic (delayed) health effects: No

Fire Hazard: No

Sudden release of pressure hazard: No

Reactivity hazard: No

SARA 313 Toxic Chemical listing: Not listed

SARA Extremely hazardous substance (EHS): Not listed

OSHA Air (table Z-1, Z-1A): Not listed

OSHA Special Regulated Substance: Not listed

TSCA Section Inventory Status: Product exempt or listed on the TSCA Inventory.

Canadian Domestic Substances List (DSL): Not determined

State - Province regulations: Not determined

SECTION 16. OTHER INFORMATION

NSF International Certified: As meeting NSF/ANSI/CAN Standard 60 for Water Treatment Chemicals Maximum use 150mg/L.

AWWA: Meets AWWA Product Standard ANSI/AWWA B403-16 or as amended.

NFPA: Health 1 Flammability 0 Instability 0 Special Hazards Not determined

HMIS: Health 1 Flammability 0 Physical hazard 0 Personal protection Not determined

Preparatory statement: The information in this Safety Data Sheet (SDS) is correct to the best of our knowledge, information, and belief as of the publication date. The information only relates to the specific material designated and may not be valid when this material is used in combination with any other materials or in any process unless specified in the text. The information is designed solely as guidance for safe handling, storage, transportation, release, and disposal and should not be considered a product warranty or quality specification.

Date Sources for the SDS:

Literature, direct manufacturing experience, databases, practice, publications, own tests, regulations

Revision: July 21, 2020 replaces all earlier **SDS ID:** Liquid aluminum sulfate hydrate - basic



Holland Company, Inc.
153 Howland Avenue
Adams, Massachusetts 01220 U.S.A.
800-639-9602



Holland COMPANY INC.

153 HOWLAND AVENUE
ADAMS, MA 01220-1199
(TEL.) 413 743-1292
(FAX) 413 743-1298

Holland Company form for: *Liquid Aluminum Sulfate AWWA Compliance and NSF Certification*

CERTIFICATE OF COMPLIANCE & CERTIFICATION

The Holland Company, Inc. Liquid Aluminum Sulfate supplied to the City of Rome will in all aspects meet the requirements of the American Water Works Association ANSI/AWWA Standard B403-16, or as amended for Aluminum Sulfate – Liquid, Ground, or Lump.

Additionally, Holland Company, Inc. Liquid Aluminum Sulfate is certified and listed under NSF/ANSI/CAN Standard 60 for Water Treatment Chemicals and is produced in Adams, Massachusetts, USA at an NSF International Inspected and Registered Facility.

Matthew B. Holland
Holland Company, Inc.
Adams, Massachusetts

Date: April 22, 2025

JEFFREY LANIGAN
MAYOR



JENNIFER GLEASMAN
PURCHASING AGENT

PURCHASING DEPARTMENT

ROME CITY HALL ♦ 198 N. WASHINGTON STREET
ROME, NEW YORK 13440-5815
(315) 339-7665 ♦ FAX (315) 838-1165
jgleasman@romecitygov.com
www.romenewyork.com

BID NUMBER: RFB-2025-008

BID TITLE: THE SUPPLY AND DELIVER APPROXIMATELY 200 DRY TONS OF
LIQUID ALUMINUM SULFATE ANNUALLY TO CITY OF ROME
WATER FILTRATION PLANT.

BID OPENING: 4/24/25 at 11:00 AM (local time)

COMPANY NAME: Pencco, Inc.

MAILING ADDRESS: P.O. Box 600, San Felipe TX 77473

PHONE: 979-885-0005

FAX: _____

EMAIL: _____

WEBSITE: _____

SIGNATURE: _____

PRINTED NAME/TITLE: Jennifer Guajardo, Bid Supervisor

TOTAL OF BID: \$ No Bid

PROPOSER'S WARRANTY: The above-signed person by his/her affixed signature certifies that he/she is an officer of the organization. He/she has been specifically authorized to offer a proposal in full compliance with all requirements and conditions, as set forth in this Proposal, other than those deviations noted above. He/she has fully read and understands the Proposal and has full knowledge of the scope, nature, quantity, and quality of work to be performed and that he/she has carefully examined and checked the materials, equipment, labor, service, and cost thereof, and hereby states that the amount or amounts set forth in the proposal is or are correct. The bidder further agrees not to make claim for reformation, modification, or correction of this proposal after the scheduled closing time for receipt of proposal bids.



PO Box 600 San Felipe, Texas 77473
(979) 885-0005 Fax: (979) 885-3208

April 14, 2025

Rome City Hall
Attn: Office of the City Clerk
198 North Washington Street
Rome, NY 13440

RE: Water and Wastewater Treatment Chemicals

To whom it may concern:

Thank you for this opportunity. Unfortunately, we are not able to submit a proposal for the above referenced chemical bid. However, we would like to remain on your vendor list as we are a supplier of various water and wastewater treatment chemicals; our contact information is listed below. Hopefully next year we will be able to submit a bid that meets your requirements.

PENCCO, INC.
ATTN: Jennifer Guajardo
P.O. Box 600
San Felipe, TX 77473

Also, I would like to request a copy of the bid results. If possible, please email the results to jguajardo@pencco.com ; otherwise, my fax number is 979.885.3208.

If you have any questions, please call me at 979.885.0005.

Sincerely,

Jennifer Guajardo

Jennifer Guajardo
Bid Supervisor

JEFFREY LANIGAN
MAYOR



JENNIFER GLEASMAN
PURCHASING AGENT

PURCHASING DEPARTMENT

ROME CITY HALL ♦ 198 N. WASHINGTON STREET
ROME, NEW YORK 13440-5815
(315) 339-7665 ♦ FAX (315) 838-1165
jgleasman@romecitygov.com
www.romenewyork.com

BID NUMBER: RFB-2025-008

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LIQUID ALUMINUM SULFATE ANNUALLY TO CITY OF ROME
WATER FILTRATION PLANT.

BID OPENING: 4/24/25 at 11:00 AM (local time)

COMPANY NAME: Slack Chemical Co., Inc.

MAILING ADDRESS: PO Box 30/ 465 South Clinton St.

Carthage, NY 13619

PHONE: (315) 493-0430

FAX: (315) 493-3931

EMAIL: slack@slackchem.com

WEBSITE: www.slackchem.com

SIGNATURE:

PRINTED NAME/TITLE: Derek Davis, General Manager

TOTAL OF BID: \$ NO BID

PROPOSER'S WARRANTY: The above-signed person by his/her affixed signature certifies that he/she is an officer of the organization. He/she has been specifically authorized to offer a proposal in full compliance with all requirements and conditions, as set forth in this Proposal, other than those deviations noted above. He/she has fully read and understands the Proposal and has full knowledge of the scope, nature, quantity, and quality of work to be performed and that he/she has carefully examined and checked the materials, equipment, labor, service, and cost thereof, and hereby states that the amount or amounts set forth in the proposal is or are correct. The bidder further agrees not to make claim for reformation, modification, or correction of this proposal after the scheduled closing time for receipt of proposal bids.