

## **NOTICE TO BIDDERS**

The City of Donna will receive **SEALED BIDS** addressed to **Utilities Department**, and submitted to the City Secretary's Office located on the 307 South 12th Street, Donna, Texas, 78537 until **3:00 p.m. on September 19, 2024**, for Supply Contract for Purchase of Liquid Sodium Thiosulfate. Any bid received after the closing time will not be accepted and returned to the bidder unopened.

### **SUPPLY CONTRACT FOR PURCHASE OF LIQUID SODIUM THIOSULFATE Bid No.: 2024-007**

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

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

Bid proposals must be clearly marked on the envelope

**CITY OF DONNA**  
**SPECIFICATIONS FOR A SUPPLY CONTRACT**  
**FOR THE PURCHASE OF LIQUID SODIUM THIOSULFATE**

1. Contractor proposes and offers to furnish to the City of Donna, Public Utilities Department all of the City's needs at unit prices stated on bid form.
2. Contractor agrees to allow the City of Donna, Public Utilities Department an inventory of 185,000 lbs per year at the Waste Water Plant.
3. Contractor agrees to deliver additional gallons as needed by the City of Donna, Public Utilities Department within a period of two (2) calendar
4. All contents delivery (ies) by Contractor shall meet all applicable federal and/or state laws and safety requirements.
5. Neither the Contractor nor his employees engaged in the delivery and off-loading of Liquid Sodium Thiosulfate shall be considered employees of the City of Donna or Public Utilities Department. The method and manner of performance of such undertaking will be under the exclusive control of the vendor's delivery personnel. The City will have the right of inspection of said undertaking at any time.
6. The Contractor agrees to carry adequate public liability insurance and further agrees to indemnify and hold the City of Donna, Public Utilities Department harmless of any and from all losses, damages or claims arising out of or in any way connected with any injury or injuries to any employee or employees of Contractor and from any claims of any other person or persons for injuries, losses or damages sustained at, around, or in connection with the work which is attributable to the contractor.
7. The City of Donna, Public Utilities Department reserves the right to terminate the contract if the Contractor fails to perform in the delivery or fails to meet the minimum requirements of the specifications. Termination will be in written form allowing for two week notice.
8. Contractor agrees not to charge the City of Donna, Public Utilities Department any rental demurred charges.
9. Contractor will furnish the City of Donna, Public Utilities Department upon request with factual information as to existence and financial stability of company, along with a list of present cities being serviced, and a laboratory test report of their Liquid Sodium Thiosulfate from an accredited chemical testing Laboratory Company. Laboratory test report shall be at the expense of the contractor.
10. This is a bid and offer by Contractor to the City of Donna, Public Utilities Department and shall not be binding upon the City unless accepted and signed by the Mayor, and City of Donna.

Accepted and agreed to this \_\_\_\_\_ day of \_\_\_\_\_ 2024.

\_\_\_\_\_  
Contractor Signature

\_\_\_\_\_  
City Manager of Donna, TX

\_\_\_\_\_  
Print or Type Name and Title

\_\_\_\_\_  
Company

\_\_\_\_\_  
Date

\_\_\_\_\_  
Mayor of Donna, TX

**Material Safety Data Sheet**  
**SODIUM THIOSULFATE**  
**SOLUTION**



**Section 1 - Chemical Product and Company Identification**

**Product/Chemical Name:** Sodium Thiosulfate, Solution  
**Chemical Formula:**  $\text{Na}_2\text{S}_2\text{O}_3 + \text{H}_2\text{O}$   
**CAS Number:** 007772-98-7  
**Other Designations:** Not available.  
**General Use:** Waste water dechlorinating agent, lab reagent.  
**Manufacturer:** Calabrian Corporation Tel: 409 / 727-1471  
 5500 Hwy. 366 Fax: 409 / 727-5803  
 Port Neches, Texas 77651 **CHEMTREC Emergency No. 800 / 424-9300**

**Section 2 - Composition / Information on Ingredients**

Composition	TWA	STEL	IDLH	CAS Number	% wt or vol
Sodium Thiosulfate	*	*	*	10102-17-7	30-60 %
Water	*	*	*	007732-18-5	40-70 %
Sodium Sulfite	*	*	*	007757-83-7	1 %
Sodium Sulfate	*	*	*	007757-82-6	1 %

\* none established.

**Section 3 - Hazards Identification**

\*\*\*\*\* **Emergency Overview** \*\*\*\*\*

**Warning Statement:** None  
**Hazard Rating:** Health = 0, Fire = 0, Reactivity = 0, PPE - Sec. 8  
**Primary Entry Routes:** Contact  
**Target Organs:** Eyes, skin, mucous membranes  
**Acute Effects:** Acute effects to exposure of sodium thiosulfate includes eye and mucous membrane irritation.  
**Inhalation:** Not likely to occur  
**Eye:** Irritant  
**Skin:** Irritant  
**Ingestion:** Not likely to occur  
**Carcinogenicity:** IARC, NTP, and OSHA do not list sodium thiosulfate as a carcinogen.  
**Chronic Effects:** Prolonged or repeated exposure may cause dermatitis, and sensitization reactions.  
**Medical Conditions Aggravated by Long-Term Exposure:** Capable of provoking bronchospasm in sulfite-sensitive individuals who have asthma.

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**Section 4 - First Aid Measures**

<u>Exposure Route</u>	<u>Symptom</u>	<u>Treatment</u>
Inhalation:	Sore throat, shortness of breath coughing, and congestion.	Remove from exposure to fresh air. Seek medical attention in severe cases or if recovery is not rapid.
Eye Contact:	Irritation to eyes and mucous membranes.	Irrigate with water until no evidence of chemical remains. Obtain medical attention.
Skin Contact:	Irritation, itching, dermatitis	Wash with soap and drench with water. Remove contaminated clothing and wash before reuse.
Ingestion:	Irritation to mucous membranes.	Give large quantities of water or milk immediately. Obtain medical attention.

*After first aid, get appropriate medical attention.*

**Note to physician:** Exposure may aggravate acute or chronic asthma, emphysema and bronchitis.

**Special Precautions/Procedures:** None indicated.

**Section 5 - Fire-Fighting Measures**

<b>Flash Point:</b>	Not combustible.
<b>Flash Point Method:</b>	Not Applicable.
<b>Burning Rate:</b>	Not Applicable.
<b>Autoignition Temperature:</b>	Not Applicable.
<b>LEL:</b>	Not Applicable.
<b>UEL:</b>	Not Applicable.
<b>Flammability Classification:</b>	Not Flammable.
<b>Extinguishing Media:</b>	Use extinguishing agent appropriate for surrounding fire conditions.
<b>Unusual Fire or Explosion Hazards:</b>	None indicated.
<b>Hazardous Combustion Products:</b>	May release hazardous gas.
<b>Fire-Fighting Instructions:</b>	Do not release runoff from fire control methods to sewers or waterways.
<b>Fire-Fighting Equipment:</b>	Because fire may produce toxic thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full face piece operated in pressure-demand or positive-pressure mode.

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**Section 6 - Accidental Release Measures**

**Spill / Leak Procedures:** Wear appropriate PPE - See Section 8.

**Small Spills / Leaks:** Spills can be neutralized with an alkaline material such as caustic soda. Leaks may be located by spraying the area with ammonium hydroxide solution which forms a white fume in the presence of sulfur dioxide.

**Large Spills / Leaks:** Large spills should be handled according to a predetermined plan.  
**Containment:** For large spills dike far ahead of contaminated runoff for later disposal.

**Section 7 - Handling and Storage**

**Handling Precautions:** Avoid contact with product. Do not breath dust or vapor.  
**Storage Requirements:** Avoid heat or moisture. Store in areas, away from heat and moisture and protected from physical damage. Segregate from acids and oxidizers.

**Section 8 - Exposure Controls / Personal Protection**

**Ventilation:** Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA limits (Sec. 2). Local exhaust ventilation is preferred because it prevents contaminant dispersion into the work area by controlling it at the source.

**Respiratory Protection:** Follow OSHA respirator regulations (29 CFR 1910.134) and, if necessary, wear a MSHA/NIOSH-approved respirator. Select respirator based on its suitability to provide adequate worker protection for given working conditions, level of airborne contamination, and presence of sufficient oxygen. For emergency or non-routine operations (cleaning spills, reactor vessels, or storage tanks), wear a SCBA. *Warning! Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.*

**Protective Clothing / Equipment:** Wear protective gloves, boots, and clothing when necessary to prevent excessive skin contact. Wear protective eyeglasses or goggles, per OSHA eye- and face-protection regulations (29 CFR 1910.133).

**Safety Stations:** Make emergency eyewash stations, showers, and washing facilities available in the work area.

**Contaminated Equipment:** Remove this material from personal protective equipment as needed.

**Comments:** Do not eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before food or beverage consumption.

**Section 9 - Physical and Chemical Properties**

<b>Physical State:</b>	Clear to milky white liquid	<b>Water Solubility:</b>	Complete
<b>Appearance:</b>	White	<b>Other Solubilities:</b>	NA
<b>Odor Threshold:</b>	None	<b>Boiling Point:</b>	Similar to water
<b>Vapor Pressure:</b>	Similar to water	<b>Freezing Point:</b>	Similar to water
<b>Vapor Density (Air=1):</b>	Similar to water	<b>Melting Point:</b>	Similar to water
<b>Formula Weight:</b>		<b>Evaporation Rate:</b>	Normal
<b>Density:</b>	NA	<b>pH:</b>	6.5-8.0
<b>Specific Gravity (H<sub>2</sub>O=1):</b>		<b>% Volatile:</b>	30-70 %



### Section 10 - Stability & Reactivity

**Stability:** Stable under normal conditions.  
**Polymerization:** Hazardous polymerization will not occur.  
**Chemical Incompatibilities:** In the presence of acid, sodium thiosulfate may release toxic and hazardous fumes of sulfur oxides, including sulfur dioxide. Acute poisoning from sulfur dioxide is rare because the gas is easily detected. It is so irritating that contact cannot be tolerated. Symptoms include coughing, hoarseness, sneezing, tearing, and breathing difficulty. However, workers who cannot escape high accidental exposure may suffer severe pulmonary damage which can be fatal. Contact with powdered potassium, sodium metals, alkali, and oxidizing agents produce violent reactions. Reacts with water and steam to form corrosive sulfurous acid. Reacts with chlorates to form unstable chlorine dioxide.  
**Conditions to Avoid:** Avoid excessive heat, or open flame, and moisture.  
**Hazardous Decomposition Products:** May release hazardous sulfur dioxide gas.

### Section 11 - Toxicological Information

**Eye Effects (rabbit):** Not available. **Acute Inhalation Effects (rat):** Not available.  
**Skin Effects (rabbit):** Not available. **Acute Oral Effects (rat):** Not available  
**Carcinogenicity:** IARC, NTP, and OSHA do not list sodium thiosulfate as a carcinogen.  
**Chronic Effects:** Prolonged or repeated exposure may cause dermatitis, and sensitization reactions. Exposure to asthmatic, atopic and sulfite sensitive individuals may result in severe bronchioconstriction and reduced levels in forced expiratory volume. Acidic decomposition of sodium thiosulfate may release toxic and hazardous fumes of sulfur oxides, including sulfur dioxide, which may cause permanent pulmonary impairments from acute and chronic exposure. The Immediately Dangerous to Life or Health (IDLH) level for SO<sub>2</sub> is 100 ppm.

### Section 12 - Ecological Information

**Ecotoxicity:** Sodium thiosulfate is a non hazardous solid commonly used as a waste water dechlorinating agent. High concentrations will contribute to elevated chemical oxygen demand in aquatic environments.  
**Environmental Transport:** Soluble in water.  
**Environmental Degradation:** Biological decomposition.  
**Soil Absorption/Mobility:** Slight.

### Section 13 - Disposal Considerations

**Disposal:** Waste determinations typically consider sodium thiosulfate contaminated materials to be non-hazardous.  
**Disposal Regulatory Requirements:** Follow applicable Federal, state and local regulations.  
**Container Cleaning and Disposal:** Follow applicable Federal, state and local regulations.

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**Section 14 - Transport Information**

**DOT Transportation Data (49 CFR 172.101):**

Shipping Name:	Sodium thiosulfate, non-regulated material
Shipping Symbols:	NA
Hazard Class:	NA
Subsidiary Hazard:	NA
ID No.:	NA
Packing Group:	NA
Label:	NA
Special Provisions:	NA

**Section 15 - Regulatory Information**

**EPA Regulations:**

RCRA Hazardous Waste Classification (40 CFR 261):	Not listed.
RCRA Hazardous Waste Number (40 CFR 261):	Not listed.
CERCLA Hazardous Substance (40 CFR 302.4):	Not listed.
CERCLA Reportable Quantity (RQ):	NA
SARA Title III: Section 302 Extremely Hazardous Substance:	Not listed.
Section 313 Toxic Chemical:	Not listed.
FIFRA:	Not regulated.
TSCA:	Inventory listed chemical;
Not listed in Toxic Substances Chemical Index	

**OSHA Regulations:**

Air Contaminant (29 CFR 1910.1000):	Not listed.
OSHA Specifically Regulated Substance:	Not listed.

**Other Regulations:**

FDA: Regulated when used as a food preservative.

**Section 16 - Other Information**

The information herein is believed to be reliable. However, no warranty, expressed or implied, is made as to its accuracy or completeness and none is made as to the fitness of this material for any purpose. The manufacturer shall not be liable for damages to person or property resulting from its use. Nothing herein shall be construed as a recommendation for use in violation of any patent.