



## Material Safety Data Sheet Sodium Thiosulfate Solutions, 0.01N - 1.0N

### Section 1 - Chemical Product and Company Identification

**MSDS Name:**

Sodium Thiosulfate Solutions, 0.01N - 1.0N

**Catalog Numbers:**

LC24995, LC25000, LC25020, LC25030, LC25040, LC25050, LC25060, LC25065, LC25080, LC25100, LC25150

**Synonyms:**

None

**Company Identification:**LabChem Inc  
200 William Pitt Way  
Pittsburgh, PA 15238**Company Phone Number:**

(412) 826-5230

**Emergency Phone Number:**

(800) 424-9300

**CHEMTREC Phone Number:**

(800) 424-9300

### Section 2 – Composition, Information on Ingredients

CAS#	Chemical Name:	Percent
7772-98-7	Sodium Thiosulfate	0.21-26
497-19-8	Sodium Carbonate	0 - 0.02
7732-18-5	Water	balance

### Section 3 - Hazards Identification

#### Emergency Overview

**Appearance:** Clear, colorless solution**Caution:** May cause irritation to eyes and skin.**Target Organs:** None.**Potential Health Effects****Eye:**

May cause eye irritation.

**Skin:**

May cause skin irritation.

**Ingestion:**

May cause mild gastrointestinal irritation with nausea and vomiting.

**Inhalation:**

May cause mild respiratory irritation.



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**Chronic:**

None known.

### Section 4 - First Aid Measures

**Eyes:**

Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

**Skin:**

Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid.

**Ingestion:**

Give conscious victim 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid.

**Inhalation:**

Move victim to fresh air immediately. Give artificial respiration if necessary. If breathing is difficult, give oxygen. Get medical aid.

**Notes to Physician:**

Treat symptomatically and supportively.

### Section 5 - Fire Fighting Measures

**General Information:**

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.

**Extinguishing Media:**

For small fires, use dry chemical, carbon dioxide, water spray or alcohol-resistant foam.

**Autoignition Temperature:**

No information found.

**Flash Point:**

No information found.

**NFPA Rating:**

Health- 1, Flammability- 0, Instability- 0

**Explosion Limits:**

Lower: N/A Upper: N/A

### Section 6 - Accidental Release Measures

**General Information:**

Use proper personal protective equipment as indicated in Section 8.

**Spills/Leaks:**

Absorb spills with absorbent (vermiculite, sand, fuller's earth) and transfer to a suitable container labeled for disposal.

### Section 7 - Handling and Storage



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### Handling:

Wash thoroughly after handling. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation.

### Storage:

Store at room temperature. Keep away from heat and incompatible substances.

## Section 8 - Exposure Controls, Personal Protection

### Engineering Controls:

Facilities using or storing this material should be equipped with an eyewash and safety shower. Provide local exhaust or general dilution ventilation.

### Exposure Limits:

Chemical Name:	ACGIH	NIOSH	OSHA
Water	None of the components are on this list	None of the components are on this list	None of the components are on this list
Sodium carbonate	None of the components are on this list	None of the components are on this list	None of the components are on this list
Sodium thiosulfate	None of the components are on this list	None of the components are on this list	None of the components are on this list

### OSHA Vacated PELs:

None

### Personal Protective Equipment

#### Eyes:

Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133.

#### Skin:

Wear appropriate protective gloves to prevent skin exposure.

#### Clothing:

Wear appropriate protective clothing to prevent skin exposure.

#### Respirators:

Follow the OSHA respirator regulations found in 29CFR 1910.134. Always use a NIOSH-approved respirator when necessary.

## Section 9 - Physical and Chemical Properties

<b>Physical State:</b>	Liquid
<b>Color:</b>	Colorless
<b>Odor:</b>	None reported
<b>pH:</b>	6-8.4
<b>Vapor Pressure:</b>	14 mm Hg
<b>Vapor Density:</b>	No information found.
<b>Evaporation Rate:</b>	>1 (ether=1)
<b>Viscosity:</b>	No information found.
<b>Boiling Point:</b>	212°F (100°C)
<b>Freezing/Melting Point:</b>	32°F (0°C)
<b>Decomposition Temperature:</b>	No information found
<b>Solubility in water:</b>	No information found.
<b>Specific Gravity/Density:</b>	1.0-1.1
<b>Molecular Formula:</b>	Mixture
<b>Molecular Weight:</b>	No information found.



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#### Section 10 - Stability and Reactivity

**Chemical Stability:**

Stable under normal temperatures and pressures.

**Conditions to Avoid:**

Incompatible materials.

**Incompatibilities with Other Materials:**

Sodium nitrite, metal nitrates, chlorine solutions, acids.

**Hazardous Decomposition Products:**

Hydrogen sulfide, sodium oxide, sulfur oxide, sulfur dioxide, carbon dioxide.

**Hazardous Polymerization:**

Has not been reported

#### Section 11 - Toxicological Information

**RTECS:**

CAS# 7772-98-7: XN6476000.

CAS# 497-19-8: VZ4050000.

CAS# 7732-18-5: ZC0110000.

**LD50/LC50:**

CAS# 7772-98-7:

Oral, rat: LD50 = 5000 mg/kg

CAS# 497-19-8:

Oral, rat: LD50 = 4090 mg/kg

CAS# 7732-18-5:

Oral, rat: LD50 = >90 mL/kg

**Carcinogenicity:**

CAS# 7772-98-7: Not listed as a carcinogen by ACGIH, IARC, NIOSH, NTP, OSHA, or CA Prop 65.

CAS# 497-19-8: Not listed as a carcinogen by ACGIH, IARC, NIOSH, NTP, OSHA, or CA Prop 65.

CAS# 7732-18-5: Not listed as a carcinogen by ACGIH, IARC, NIOSH, NTP, OSHA, or CA Prop 65.

**Epidemiology:**

No information found

**Teratogenicity:**

No information found

**Reproductive:**

No information found

**Mutagenicity:**

No information found

**Neurotoxicity:**

No information found

#### Section 12 - Ecological Information



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No information found

### Section 13 - Disposal Considerations

Dispose of in accordance with Federal, State, and local regulations.

### Section 14 - Transport Information

#### US DOT

**Shipping Name:** Not regulated.  
**Hazard Class:**  
**UN Number:**  
**Packing Group:**

### Section 15 - Regulatory Information

#### US Federal

##### TSCA:

CAS# 7772-98-7 is listed on the TSCA Inventory.  
CAS# 497-19-8 is listed on the TSCA Inventory.  
CAS# 7732-18-5 is listed on the TSCA Inventory.

##### SARA Reportable Quantities (RQ):

None of the components are on this list.

##### CERCLA/SARA Section 313:

None of the components are on this list.

##### OSHA - Highly Hazardous:

None of the components are on this list.

#### US State

##### State Right to Know:

Not available.

##### California Regulations:

None.

#### European/International Regulations

##### Canadian DSL/NDSL:

CAS# 7772-98-7 is listed on Canada's DSL List.  
CAS# 497-19-8 is listed on Canada's DSL List.  
CAS# 7732-18-5 is listed on Canada's DSL List.

##### Canada Ingredient Disclosure List:

CAS# 7772-98-7 is not listed on Canada's Ingredient Disclosure List.  
CAS# 497-19-8 is listed on Canada's Ingredient Disclosure List.  
CAS# 7732-18-5 is not listed on Canada's Ingredient Disclosure List.



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**Section 16 - Other Information**

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