

Safety Data Sheet  
According to the (US) Hazard Communication Standard (29 CFR 1910.1200)**SECTION 1: PRODUCT AND COMPANY IDENTIFICATION**

**Product Name** Sodium Thiosulfate, 0.25 N  
**NCL Catalog Numbers** S-71  
**Product Description** Laboratory chemical  
**Supplier**  
NCL of Wisconsin, Inc. **Telephone:** 1-800-648-7836 **Fax:** 715-449-2454  
P.O. Box 8 **Emergency Contact:** 1-800-424-9300 (Chemtrec)  
Biramwood, WI 54414 **Email:** [nclabs@nclabs.com](mailto:nclabs@nclabs.com)

**SECTION 2: HAZARDS IDENTIFICATION**

**GHS Classification** Not classified  
**Signal Word** Not applicable  
**Pictograms** None  
**Hazard Statements** Not applicable  
**Precautionary Statements** Not applicable  
**Other Hazards Not Contributing to the Classification** None under normal conditions.

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

**Chemical Identity** Not applicable  
**Common Name** Not applicable

**Mixture**

Name	CAS #	Approximate %
Water	7732-18-5	>93
Sodium Thiosulfate	10102-17-7	<7
Sodium Carbonate	497-19-8	<0.2

**SECTION 4: FIRST AID MEASURES****Description of First Aid Measures**

**General First Aid Measures** Never give anything by mouth to an unconscious person. Seek medical advice if you feel unwell.

**If Inhaled** Remove person to fresh air and keep comfortable for breathing. Allow victim to rest.

**In Case of Skin Contact** Remove contaminated clothing and wash exposed skin with mild soap and water. Rinse with warm water.

**In Case of Eye Contact** Immediately flush eyes with plenty of water. Remove contact lenses, if present and easy to do. Get medical attention if irritation develops.

**If Swallowed** Rinse mouth. Do NOT induce vomiting. Get medical attention if you feel unwell.

**Most Important Symptoms/Effects Acute and Delayed**

Not expected to present a significant hazard under normal use.

**Indication of Immediate Medical Attention and Special Treatment Needed**

No additional information available.

## SECTION 5: FIRE-FIGHTING MEASURES

### Extinguishing Media

**Suitable Extinguishing Media** Foam. Dry powder. Sand. Carbon dioxide. Water spray.

**Unsuitable Extinguishing Media** Do not use high pressure water stream.

**Special Hazards Arising from the Chemical** No additional information available.

**Special Protective Actions for Fire-Fighters** Wear self-contained breathing apparatus and protective clothing. Keep exposed containers cool with water spray.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### Personal Precautions, Protective Equipment and Emergency Procedures

**Personal Precautions** Use personal protective equipment (see section 8). Evacuate area of non-essential personnel. Eliminate ignition sources.

**Environmental Precautions** Prevent entry to surface and ground waters.

**Methods and Materials for Containment and Cleaning Up** Stop leak if safe to do so. Clean up spills with inert absorbent material. Collect spillage. Store away from other materials. Ensure compliance with local, state and federal regulations.

## SECTION 7: HANDLING AND STORAGE

**Precautions for Safe Handling** Avoid contact with eyes and skin. Avoid breathing vapors. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor.

**Conditions for Safe Storage Including any Incompatibilities** Keep in a tightly closed container, stored in a cool, dry, ventilated area.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

**Control Parameters** Not applicable

**Appropriate Engineering Controls** Provide adequate general ventilation. Maintain eye-wash fountain and quick-drench facilities in work area.

**Individual Protection Measures** Avoid all unnecessary exposure.

**Eye/Face Protection** Use chemical safety goggles and/or a full face shield where splashing is possible. Contact lenses should not be worn when working with this material. Maintain eye-wash fountain and quick-drench facilities in work area.

**Skin Protection** Rubber or neoprene gloves and additional protection including impervious boots, apron, or coveralls, as needed in areas of unusual exposure to prevent skin contact.

**Respiratory Protection** Wear appropriate mask.

**Other Information** Do not eat, drink or smoke when using this product.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State</b>	Liquid
<b>Color</b>	Colorless
<b>Odor</b>	Odorless
<b>Odor Threshold</b>	Not determined
<b>pH</b>	Not determined
<b>Melting Point/Freezing Point</b>	Not determined
<b>Initial Boiling Point and Boiling Range</b>	Not determined
<b>Flash Point</b>	Not determined
<b>Evaporation Rate</b>	Not determined
<b>Flammability (Solid, Gas)</b>	Not determined
<b>Upper/Lower Flammability/Explosive Limits</b>	Not determined

Vapor Pressure	Not determined
Vapor Density	Not determined
Relative Density	1.03
Solubility	Soluble in water
Partition Coefficient: n-octanol/water	Not determined
Auto-Ignition Temperature	Not determined
Decomposition Temperature	Not determined
Viscosity	Not determined

#### SECTION 10: STABILITY AND REACTIVITY

Reactivity	No data available
Chemical Stability	Stable under ordinary conditions of use and storage.
Possibility of Hazardous Reactions	No data available
Conditions to Avoid	Extremely high or low temperatures and direct sunlight.
Incompatible Materials	Contact with acids, excessive heat, iodine, mercury, lead, silver salts and sodium nitrite
Hazardous Decomposition Products	When heated to decomposition, can emit toxic gases.

#### SECTION 11: TOXICOLOGICAL INFORMATION

Acute Toxicity	Not classified
<b>Sodium Thiosulfate (10102-17-7)</b>	
LD50 oral rat	5000 mg/kg
<b>Sodium Carbonate (497-19-8)</b>	
LD50 oral rat	4090 mg/kg
<b>Water (7732-18-5)</b>	
LD50 oral rat	≥90000 mg/kg

Skin Corrosion/Irritation	Not classified
Serious Eye Damage/Irritation	Not classified
Respiratory or Skin Sensitization	Not classified
Germ Cell Mutagenicity	Not classified
Carcinogenicity	Not classified
Reproductive Toxicity	Not classified
Specific Target Organ Toxicity (Single Exposure)	Not classified
Specific Target Organ Toxicity (Repeated Exposure)	Not classified
Aspiration Hazard	Not classified
Potential Adverse Human Health Effects and Symptoms	No data available
Likely Routes of Exposure	Skin and eye contact
Other Information	Not available

#### SECTION 12: ECOLOGICAL INFORMATION

Toxicity	Not applicable
Persistence and Degradability	Not applicable
Bioaccumulative Potential	Not applicable
Mobility in Soil	Not applicable
Other Adverse Effects	Not applicable

#### SECTION 13: DISPOSAL CONSIDERATIONS

**Methods of Disposal**

**Disposal Recommendations** Dispose of contents/containers in accordance with local, state and federal regulations.

**Other Information** Avoid release to the surrounding environment.

**SECTION 14: TRANSPORT INFORMATION**

**UN Number** Not applicable

**UN Shipping Name** Not applicable

**Transport Hazard Class(es)** Not applicable

**Packing Group** Not applicable

**Environmental Hazards** Not applicable

**Transport in Bulk** Not applicable

**Other Precautions** Not applicable

**SECTION 15: REGULATORY INFORMATION**

<b>Sodium Thiosulfate (10102-17-7)</b>
Listed on the United States TSCA (Toxic Substances Control Act) Inventory
<b>Sodium Carbonate (497-19-8)</b>
Listed on the United States TSCA (Toxic Substances Control Act) Inventory
<b>Water (7732-18-5)</b>
Listed on the United States TSCA (Toxic Substances Control Act) inventory

**SECTION 16: OTHER INFORMATION**

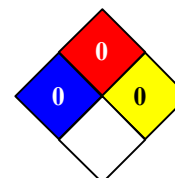
Revision Date: 04/10/2015

**NFPA Hazards**

**Health Hazard** 0: Poses no health hazard.

**Fire Hazard** 0: Materials that will not burn under typical fire conditions.

**Reactivity/Instability** 0: Normally stable, but can become unstable at elevated temperatures and pressures.



**HMIS III Rating**

**Health** 0: No significant risk to health.

**Flammability** 0: Materials that will not burn.

**Physical Hazard** 0: Materials that are normally stable but can become unstable at high temperatures and pressures.

**Personal Protection** B

<b>S-71</b>	
<b>Health</b>	<b>0</b>
<b>Flammability</b>	<b>0</b>
<b>Physical Hazard</b>	<b>0</b>
<b>Personal Protection</b>	<b>B</b>

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**END OF SAFETY DATA SHEET**