SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: Sodium Thiosulfate, 0.1 N

NCL Catalog Numbers: S-72

Product Description: Laboratory chemical

Supplier:
- NCL of Wisconsin, Inc.
- P.O. Box 8
- Birnamwood, WI 54414

Emergency Contact: 1-800-424-9300 (Chemtrec)

Email: 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

<table>
<thead>
<tr>
<th>Name</th>
<th>CAS #</th>
<th>Approximate %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>&gt;96.8</td>
</tr>
<tr>
<td>Sodium Thiosulfate</td>
<td>10102-17-7</td>
<td>&lt;3</td>
</tr>
<tr>
<td>Sodium Carbonate</td>
<td>497-19-8</td>
<td>&lt;0.2</td>
</tr>
</tbody>
</table>

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

**Physical State**
- Liquid

**Color**
- Colorless

**Odor**
- Odorless

**Odor Threshold**
- Not determined

**pH**
- Not determined

**Melting Point/Freezing Point**
- Not determined

**Initial Boiling Point and Boiling Range**
- Not determined

**Flash Point**
- Not determined

**Evaporation Rate**
- Not determined

**Flammability (Solid, Gas)**
- Not determined

**Upper/Lower Flammability/Explosive Limits**
- Not determined
Vapor Pressure Not determined
Vapor Density Not determined
Relative Density 1.01
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

<table>
<thead>
<tr>
<th></th>
<th>Sodium Thiosulfate (10102-17-7)</th>
<th>Sodium Carbonate (497-19-8)</th>
<th>Water (7732-18-5)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 oral rat</td>
<td>5000 mg/kg</td>
<td>4090 mg/kg</td>
<td>≥90000 mg/kg</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>UN Number</th>
<th>Not applicable</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN Shipping Name</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Transport Hazard Class(es)</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Packing Group</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Environmental Hazards</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Transport in Bulk</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Other Precautions</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

SECTION 15: REGULATORY INFORMATION

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

SECTION 16: OTHER INFORMATION

Revision Date: 04/10/2015

NFPA Hazards

<table>
<thead>
<tr>
<th>Health Hazard</th>
<th>0: Poses no health hazard.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fire Hazard</td>
<td>0: Materials that will not burn under typical fire conditions.</td>
</tr>
<tr>
<td>Reactivity/Instability</td>
<td>0: Normally stable, but can become unstable at elevated temperatures and pressures.</td>
</tr>
</tbody>
</table>

HMIS III Rating

<table>
<thead>
<tr>
<th>Health</th>
<th>0: No significant risk to health.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flammability</td>
<td>0: Materials that will not burn.</td>
</tr>
<tr>
<td>Physical Hazard</td>
<td>0: Materials that are normally stable but can become unstable at high temperatures and pressures.</td>
</tr>
<tr>
<td>Personal Protection</td>
<td>B</td>
</tr>
</tbody>
</table>

The information contained herein is provided in good faith and is believed to be correct as of the date hereof. However, NCL of Wisconsin, Inc. makes no representation as to the comprehensiveness or accuracy of the information. It is expected that individuals receiving the information will exercise their independent judgment in determining its appropriateness for their conditions of use. Accordingly, NCL of Wisconsin, Inc. will not be responsible for damages of any kind resulting from the use of or reliance upon such information.