SECTION I: CHEMICAL PRODUCT AND COMPANY INFORMATION

Product Name: Sodium Sulfate
General Use:
Common Synonyms: Sodium sulfate, Anhydrous; Sulfuric Acid, Disodium Salt; Disodium Sulfate
Chemical Family: Neutral Salts
Formula: Na₂SO₄
Formula Weight: 142.04
CAS No.: 7757-82-6
MSDS No.: 108119-02

SECTION II: COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Component</th>
<th>WEIGHT %</th>
<th>CAS #</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Sulfate, Anhydrous</td>
<td>99 – 100</td>
<td>7757-82-6</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Component</th>
<th>Hazard</th>
<th>OSHA STEL</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Sulfate, Anhydrous</td>
<td>Irritant</td>
<td>N/E</td>
<td>N/E</td>
<td>N/E</td>
</tr>
</tbody>
</table>

SECTION III: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

CAUTION! MAY CAUSE IRRITATION. MAY BE HARMFUL IF SWALLOWED OR INHALED. HYGROSCOPIC. During use avoid contact with eyes, skin or clothing. Wash thoroughly after handling. When not in use, keep in tightly closed container.

POTENTIAL HEALTH EFFECTS

EYE CONTACT: Irritation
SKIN CONTACT: Irritation
INGESTION: Gastrointestinal irritation
INHALATION: Irritation of the upper respiratory tract.
CHRONIC: None identified
TARGET ORGANS: Respiratory system, lungs.

Sodium Sulfate
Primary routes of entry:

- Inhalation ✅
- Ingestion ✅
- Skin Contact ✅
- Eye Contact ✅

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: None identified

SECTION III: FIRST AID MEASURES

EYE CONTACT:

In case of eye contact, immediately flush with plenty of water for at least 15 minutes.

SKIN CONTACT:

In case of contact, immediately wash skin with plenty of soap and water for at least 15 minutes.

INGESTION:

If swallowed and the person is conscious, immediately give large amounts of water. Get medical attention.

INHALATION:

If a person breathers in large amounts, move the exposed person to fresh air.

NOTES TO PHYSICIAN: None

SECTION V: FIRE FIGHTING INFORMATION

Flashpoint (Degrees C) and Method: N/A
Auto ignition Temperature (Degrees C): N/A

FLAMMABLE LIMITS:

<table>
<thead>
<tr>
<th>Components</th>
<th>Upper Explosive Limit</th>
<th>Lower Explosive Limit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Sulfate, Anhydrous</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

GENERAL HAZARD:

Unusual Fire and Explosion Hazards: None Identified.

FIRE FIGHTING INSTRUCTIONS:

Use extinguishing media appropriate for surrounding fire.

FIRE FIGHTING EQUIPMENT:

Firefighters should wear proper protective equipment and self-contained breathing Apparatus with full facepiece operated in positive pressure mode.

EXTINGUISHING MEDIA:

- Foam ✅
- Alcohol Foam ✅
- CO2 ✅
- Dry Chemical ✅
- Water ✅
- Other ✅

Sodium Sulfate
HAZARDOUS COMBUSTION PRODUCTS:
Combustion may release sulfur dioxide.

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA):
NFPA Hazard Rating: 0 – Insignificant 1 – Slight 2 – Moderate
3 - High 4 – Extreme 5 – Unknown
* - No Information

Health :0
Flammability :0
Reactivity :0

SPECIAL INFORMATION:
Contact Hazard: Slight (1)
Explosion Data – Sensitivity to Mechanical Impact: None Identified
Explosion Data - Sensitivity to Static Discharge: None Identified

SECTION VI: ACCIDENTAL RELEASE MEASURES

LAND SPILL:
Wear suitable protective clothing. Sweep up and remove.

SECTION VII: HANDLING AND STORAGE

GENERAL STORAGE CONDITIONS:
Keep container tightly closed. Keep from contact with oxidizing materials. Isolate from incompatible materials.
Special Precautions: material is hygroscopic.

SECTION VIII: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS:
Use adequate general or local exhaust ventilation to keep fume or dust levels as low as possible.

PERSONAL PROTECTION:

RESPIRATOR:
None required where adequate ventilation conditions exist. If airborne concentration is high, use an appropriate respirator or dust mask.

PROTECTIVE CLOTHING:
Safety goggles, rubber gloves recommended.

SECTION VIII: PHYSICAL AND CHEMICAL PROPERTIES
Vapor Pressure (mmHg): N/A Solubility in Water: Appreciable
Specific Gravity (water=1): 2.68 pH: 6-10

Sodium Sulfate
**SECTION X: STABILITY AND REACTIVITY**

**GENERAL:**

<table>
<thead>
<tr>
<th>STABILITY:</th>
<th>HAZARDOUS POLYMERIZATION:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stable: ☑</td>
<td>Will Not Occur: ☑</td>
</tr>
<tr>
<td>Unstable:</td>
<td>Will Occur:</td>
</tr>
</tbody>
</table>

**INCOMPATIBLE MATERIALS:**
Strong oxidizing agents.

**CONDITIONS TO AVOID:**
Moisture

**HAZARDOUS DECOMPOSITION PRODUCTS:**
Oxides of sulfur.

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**SECTION XI: TOXICOLOGICAL INFORMATION**

**GENERAL:**
Sodium Sulfate, Anhydrous:
5989 mg/kg oral mouse LD50
Carcinogenicity: None identified
Reproductive Effects: None identified

**CARCINOGENIC INFORMATION:**

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS#</th>
<th>Weight%</th>
<th>IARC</th>
<th>NTP</th>
<th>OSHA</th>
<th>ACGIH</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Sulfate</td>
<td>7757-82-6</td>
<td>99-100</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

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**SECTION XII: ECOLOGICAL INFORMATION**

**Environmental Fate:**
When released into the soil, this material is expected to leach into groundwater. This material is not expected to significantly bioaccumulate.

**Environmental Toxicity:**
This material is not expected to be toxic to aquatic life. The LC50/96-hour values for fish are over 100 mg/l. The EC50/48-hour values for daphnia are over 100 mg/l.

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**SECTION XIII: DISPOSAL CONSIDERATION**

**RCRA Hazard Class:** None

**METHOD OF DISPOSAL:**
Sodium Sulfate
SECTION XIII: TRANSPORTATION INFORMATION

DOT (Department of Transportation)

Proper Shipping Name: Chemicals, n.o.s. (non-regulated)
Hazard Class: None
Identification Number: None / No UN Number assigned

SECTION XV: REGULATORY INFORMATION

TSCA (Toxic Substances Control Act):
In TSCA Inventory? Yes ☑ No ☐

CERCLA (Comprehensive Environmental Response Compensation, and Liability Act):
Classified as a Hazardous Substance? Yes ☐ No ☑

SARA TITLE III (Superfund Amendments and Reauthorization Act):
311/312 Hazard Categories:
Acute ☐ Chronic ☑ Flammability ☐ Pressure ☐ Reactivity ☐ None ☑

313 Reportable Ingredients: None
CALIFORNIA PROPOSITION 65: Not Listed

SECTION XVI: OTHER INFORMATION

Saltex, LLC provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose.

The information provided in this Material Safety Data Sheet has been obtained from sources believed to be reliable. Harcros Chemicals, Inc., provides no warranties, either expressed or implied and assumes no responsibility for the accuracy or completeness of the data contained herein. This information is provided for your information, consideration and investigation. You should satisfy yourself that you have all current data relevant to your particular use. Harcros Chemicals, Inc. knows of no medical condition other than those noted on this Material Safety Data Sheet, which are generally considered aggravated by exposure to this product.

N/A: Not Available, Not Applicable
N/D: Not Determined
N/E: Not Established

Sodium Sulfate