

I Identification

Product Name: **Sodium Sulfate, Anhydrous**

Catalog Number: **S008**

Synonyms: **Salt Cake; Bisodium Sulfate; Dibasic Sodium Sulfate; Disodium Monosodium Sulfate; Thenardite; Sulfuric acid, disodium salt**

Company: **Caisson Laboratories**

Address: **836 South 100 East, Smithfield, UT 84335**

Telephone: **435.755.7615**

Fax: **435.755.7617**

Emergency Contact: **CHEMTREC 800.424.9300 (703.527.3887)**

Recommended Use:

Restrictions On Use:

II Hazard(s) Identification

Overview: **Hazardous in case of eye contact (irritant). Slightly hazardous in case of skin contact (irritant), of ingestion, of inhalation.**

Flammability: **Non-flammable.**

Reactivity:

Toxicity: **Acute oral toxicity (LD50): 5989 mg/kg [Mouse].**

NFPA Rating

Health: **2**

Flammability: **0**

Reactivity: **0**

Special:

Pictograms:

III Composition / Information on Ingredients

General Information: **Chemical Formula: Na₂SO₄**

Component:

CAS#: **7757-82-6**

% by Weight: **99.0 - 100.00%**

IV First-Aid Measures

General Information:

Route of Exposure

Oral: **DO NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt, or waistband. Get medical attention if symptoms appear.**

Inhalation: **If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.**

Dermal: **Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops. Cold water may be used.**

Eye: **Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.**

V Fire-Fighting Measures

General Information:

Flammable Properties

General: **Not flammable.**

Flash Point:

Ignition Temperature:

Suitable Extinguishing Media: **Use any means suitable for extinguishing surrounding fire.**

Special Protective Equipment for fire fighters: **Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.**

Additional Information: **At a temperature of 800°C, sodium sulfate and aluminium will explode.**

VI Accidental Release Measures

General Information: **Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of in accordance with local and regional authority requirements.**

VII Handling and Storage

Handling: **Do not ingest. Do not breathe dust. Avoid contact with eyes. Wear suitable protective clothing. If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles such as oxidizing agents, metals.**

Storage: **Keep container tightly closed in a dry, cool and well-ventilated area. Hygroscopic. Protect from moisture.**

VIII Exposure Controls / Personal Protection

General Information:

Engineering Measures: **Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.**

Personal Protective Equipment

General:

Eye Protection: **Wear safety glasses or goggles.**

Hand Protection: **Wear protective gloves.**

Respiratory Protection: **Wear an approved/certified respirator or equivalent.**

Skin and Body Protection: **Wear clean body-covering clothing.**

Hygiene Measures:

IX Physical and Chemical Properties

General Information:

Appearance: **Solid white crystalline powder**

pH:

Specific Gravity: **2.67**

Melting Point:

Boiling Point: **1100°C**

Flash Point:

Flammability Range:

Vapor Pressure:

X Stability and Reactivity

General Information: **This product is stable.**

Storage Stability

Temperature: **Room Temperature**

Light Sensitive: **True**

Incompatibles: **Reactive with oxidizing agents, metals.**

Hazardous Decomposition Products:

XI Toxicological Information

General Information:

Acute Toxicity: **Acute oral toxicity (LD50): 5989 mg/kg [Mouse].**

Chronic Toxicity:

Local Effects:

Target Organs:

Carcinogenicity:

OSHA Permissible Exposure Limits:

XII Ecological Information

General Information:

XIII Disposal Considerations

General Information:

Disposal of Product: **Waste must be disposed of in accordance with federal, state, and local environmental control regulations.**

Disposal of Packaging: **Waste must be disposed of in accordance with federal, state, and local environmental control regulations.**

XIV Transport Information

Proper Shipping Name: **CHEMICALS, N.O.S (NON-REGULATED)**

UN#:

Class:

Packaging Group:

Hazard Label:

XV Regulatory Information

General Information:

TSCA:

SARA 313:

XVI Other Information

General Information: **All chemicals may pose unknown hazards and should be used with caution. It shall be the user's responsibility to develop proper methods of handling and personal protection based on the actual conditions of use. While this MSDS is based on technical data judged to be reliable, Caisson Laboratories, Inc. assumes no responsibility for the completeness or accuracy of the information contained herein.**

Last Revision Date: 3 Dec, 2014