



J.T. Baker Inc.  
222 Red School Lane  
Phillipsburg, NJ 08865

24-Hour Emergency Telephone 908-859-2151  
National Response Center 800-424-8802  
Chemtrec 800-424-9300

National Response In Canada  
CANUTEC 613-996-6666

Outside U.S. and Canada  
Chemtrec 202-483-7616

**MATERIAL SAFETY DATA SHEET**

FICHE  
SIGNALÉTIQUE

HOJAS DE DATOS  
DE SEGURIDAD

**NOTE: CHEMTREC, CANUTEC and National Response Center emergency numbers are to be used only in the event of chemical emergencies involving a spill, leak, fire, exposure or accident involving chemicals. All non-emergency questions should be directed to Customer Service (1-800-JTBAKER) for assistance.**

S5018 -03  
Effective: 03/09/92

Sodium Sulfate

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SECTION I - PRODUCT IDENTIFICATION

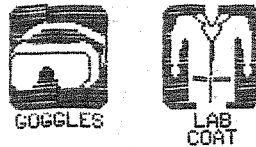
Product Name: Sodium Sulfate  
Common Synonyms: Sulfuric Acid, Disodium Salt; Disodium Sulfate  
Chemical Family: Inorganic Sodium Compounds  
Formula: Na<sub>2</sub>SO<sub>4</sub>  
Formula Wt.: 142.04  
CAS No.: 7757-82-6  
NIOSH/RTECS No.: WE1650000  
Product Use: Laboratory Reagent  
Product Codes: 3891,3898,3375,5059,3887,3902

PRECAUTIONARY LABELING

BAKER SAF-T-DATA\* System

HEALTH <b>0</b> NONE	FLAMMABILITY <b>0</b> NONE	REACTIVITY <b>0</b> NONE	CONTACT <b>1</b> SLIGHT
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Laboratory Protective Equipment



U.S. Precautionary Labeling

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



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===== PRECAUTIONARY LABELING (CONTINUED) =====

International Labeling

Avoid contact with eyes. After contact with skin, wash immediately with plenty of water. Keep container tightly closed.

SAF-T-DATA\* Storage Color Code: Orange (general storage)

===== SECTION II - COMPONENTS =====

<u>Component</u>	<u>CAS No.</u>	<u>Weight %</u>	<u>OSHA/PEL</u>	<u>ACGIH/TLU</u>
Sodium Sulfate	7757-82-6	90-100	N/E	N/E

===== SECTION III - PHYSICAL DATA =====

Boiling Point: N/A Vapor Pressure (mmHg): N/A

Melting Point: 884°C (1623°F)  
 (at 760 mm Hg) Vapor Density (air=1): N/A

Specific Gravity: 2.68  
 (H<sub>2</sub>O=1) Evaporation Rate: N/A

Solubility(H<sub>2</sub>O): Appreciable (>10%) % Volatiles by Volume: 0  
 (21°C)

pH: N/A

Odor Threshold (ppm): N/A Physical State: Solid

Coefficient Water/Oil Distribution: N/A

Appearance & Odor: White crystals or powder. Odorless.



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SECTION IV - FIRE AND EXPLOSION HAZARD DATA

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Flash Point (Closed Cup): N/A

Autoignition Temperature: N/A

Flammable Limits: Upper - N/A Lower - N/A

Fire Extinguishing Media

Use extinguishing media appropriate for surrounding fire.

Special Fire-Fighting Procedures

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

Unusual Fire & Explosion Hazards

None identified.

Toxic Gases Produced

sulfur dioxide

Explosion Data-Sensitivity to Mechanical Impact

None identified.

Explosion Data-Sensitivity to Static Discharge

None identified.

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SECTION V - HEALTH HAZARD DATA

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Threshold Limit Value (TLV/TWA): Not Established

Short-Term Exposure Limit (STEL): Not Established

Permissible Exposure Limit (PEL): Not Established

Toxicity of components

Oral Mouse LD<sub>50</sub> for Sodium Sulfate

5989 mg/kg

Carcinogenicity: NTP: No IARC: No Z List: No OSHA Reg: No

Carcinogenicity

None identified.



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SECTION U - HEALTH HAZARD DATA (CONTINUED)

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Reproductive Effects

None identified.

Effects of Overexposure

- INHALATION: irritation of upper respiratory tract
- SKIN CONTACT: irritation
- EYE CONTACT: irritation
- SKIN ABSORPTION: none identified
- INGESTION: gastrointestinal irritation
- CHRONIC EFFECTS: none identified

Target Organs

respiratory system, lungs

Medical Conditions Generally Aggravated by Exposure

none identified

Primary Routes of Entry

inhalation, ingestion, skin contact, eye contact

Emergency and First Aid Procedures

- INGESTION: If swallowed and the person is conscious, immediately give large amounts of water. Get medical attention.
- INHALATION: If a person breathes in large amounts, move the exposed person to fresh air.
- SKIN CONTACT: In case of contact, immediately wash skin with plenty of soap and water for at least 15 minutes.
- EYE CONTACT: In case of eye contact, immediately flush with plenty of water for at least 15 minutes.

SARA/TITLE III HAZARD CATEGORIES and LISTS

Acute: Yes Chronic: Yes Flammability: No Pressure: No Reactivity: No