

PRODUCT NAME: SODIUM SULFITE SOLUTION

Transportation Emergencies, Call (800) 424-9300 (CHEMTREC)
Health Emergencies, contact Your Local Poison Center
Caution: Causes irritation. Avoid contact with skin, eyes or clothing.

I. PRODUCT INFORMATION

Product Name: Sodium Sulfite Solution **Formula:** Na₂SO₃
Chemical Name: Sodium Sulfite
CAS Number: 7757-83-7
Product Use: Paper pulping, anti-chlor, water treatment

Typical Composition	CAS #'s	%
Sodium Sulfite	7757-83-7	9-21
Sodium Sulfate	7757-82-6	0.2-2
Water	7732-18-5	Balance

Exposure Standard: None established

Hazard Ratings: Health = 2 Flammability = 0 Reactivity = 1
0 = Least; 1 = Slight; 2 = Moderate; 3 = High; 4 = Extreme;

II. PERSONAL PROTECTION INFORMATION

Ventilation: Provide sufficient general/local exhaust ventilation in patten/volume to control inhalation exposures below current exposure limits.

Eye: Safety glasses; chemical goggles; face shield.

Skin: Industrial type fabric or leather gloves. Coveralls or apron to prevent contamination of industrial type work clothing, including safety type footwear.

Respiratory: If ventilation is inadequate to maintain personal inhalation exposures below TLV (PEL), use appropriate MSHA/NIOSH approved respiratory protection to comply with current 29 CFR 1910.134 and manufacturer's "Instructions" and "Warnings".

Other: WARNING!! Sulfite-sensitive people who inhale or ingest this product may experience a severe allergic reaction. Avoid prolonged or repeated contact. Observe good hygiene and safety practices when handling this product. Do not use this product until MSDS has been read and understood.

III. HEALTH INFORMATION

PHYSIOLOGICAL & HEALTH EFFECTS

Routes of Entry:

- Eyes:** Direct contact may cause mild irritation.
- Skin:** Direct contact may cause mild irritation.
- Inhalation:** Sulfite-sensitive individuals, upon inhalation of this product may experience a severe allergic reaction.
- Ingestion:** Oral exposure or swallowing may produce gastrointestinal upset. Sulfite sensitive individuals may experience a severe allergic reaction.

EMERGENCY & FIRST AID PROCEDURES

- Eyes:** Remove contact lenses. Gently flush the eyes and surrounding areas with lukewarm water for 15 minutes. Seek immediate medical attention.
- Skin:** Remove contaminated clothing. Wipe material from skin. Rinse the affected areas with large volumes of water for 15 minutes. If any irritation is present, seek medical attention.
- Inhalation:** Remove the patient to fresh air. If breathing has stopped or is difficult, administer artificial respiration. Seek immediate medical attention.
- Ingestion:** DO NOT ATTEMPT TO GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. Remove any evidence of the substance from the patient's mouth. If patient is conscious and alert, give 8-12 ounces of water or milk and seek medical attention. NOTE TO PHYSICIAN: Further treatment may be necessary. Contact the local Poison Control Center.

IV. REACTIVITY DATA

- Stability:** Stable
- Conditions To Avoid:** N/A
- Incompatibility:** Liberates sulfur dioxide in the presence of strong acids.
- Hazardous Decomposition Products:** Oxides of sulfur fumes emitted when heated to decomposition.
- Hazardous Polymerization:** None

V. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance and Odor:** It is a clear, colorless to pale yellow solution with a slight sulfur odor.

Boiling Point:	100°C (212°F)		
Coefficient of water/ oil distribution:	Water soluble.		
VOC:	N/A	% Volatile by Vol:	79% - 87%
Odor Threshold:	N/A	Viscosity:	<1 poise
Evaporation Rate (ether = 1):	N/A	Vapor Density (air = 1):	N/A
Solubility in water:	Appreciable	Vapor Pressure:	N/A
Specific Gravity (H₂O = 1):	1.05 – 1.21	pH:	9.5 (typical)

VI. SPECIAL PRECAUTIONS

Handling and Storage

Precautions: Avoid prolonged or repeated contact with skin or eyes. Remove contaminated clothing. Keep in closed, properly labeled container within a cool (shaded), dry, well-ventilated area. Protect containers from physical damage. Recommended storage temperature range is 20-40°C (72-104°F). Do not take internally. Not for use or storage in or around the home.

VII. FIRE PROTECTION INFORMATION

Flash Point: N/A **Autoignition temp:** N/A

**Flammable Limits:
(% by volume/air):** Lower – N/A
Upper – N/A

Extinguishing Media: Not applicable. Use methods applicable to surrounding areas.

Special Firefighting Procedures:

Wear complete fire service protective equipment, including full-facepiece MSHA/NIOSH approved self-contained breathing apparatus. Use water to cool fire-exposed container/structure/protect personnel. Water or foam may cause frothing, if product is heated above 93°C/200°F.

Fire & Explosion Hazards:

Closed containers may explode (due to build up of steam pressure) when exposed to extreme heat.

**Sensitivity to
mechanical impact:** ND

Sensitivity to static discharge: ND

VIII. TRANSPORTATION REQUIREMENTS

DOT Proper Shipping Name: None

DOT Classification: None

UN/NA Identification Number: None

IX. SPILL AND LEAK PROCEDURES

Precaution if

Spilled or Released: Stop leak if no risk involved. Stay upwind. Small spills, take up with sand or other noncombustible absorbent material. Flush area with water. Dike large spills for later disposal. Contain runoff from fire control and dilution water.

Waste Disposal

Methods: This product is not an EPA Listed Hazardous Waste nor does it exhibit any hazardous waste characteristics. Dispose of in accordance with local, state, and federal regulations.

X. TOXICOLOGY INFORMATION

Oral Toxicology: 5.66 g/kg Rat LD50

Dermal Toxicology: > 16.0 g/kg Skin Rabbit LD50

XI. REGULATORY INFORMATION

SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 (SARA) TITLE III

Requires emergency planning based on Threshold Planning Quantities (TPQ's) and release reporting based on Reportable Quantities (RQ's) in 40 CFR 355 (used for SARA 302, 304, 311, 312). Components present in this product at a level which could require reporting under this statute are: None

Comprehensive Environmental Response, Compensation, Liability Act of 1980 (CERCLA) requires notification of the National Response Center of release for quantities of Hazardous Substance equal or greater than the RQ in 40 CFR 302.4

**SUPERFUND AMENDMENTS AND REAUTHORIZATION
ACT OF 1986 (SARA) TITLE III**

Requires submission of annual reports for release of toxic chemicals that appear in 40 CFR 372 (used for SARA 313). Components present in this product which could require reporting under this statute are:

None

TOXIC SUBSTANCE CONTROL ACT (TSCA)

This product is identified on the TSCA inventory with the CAS No. 7757-83-7.

MSDS No. 021

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STATE RIGHT-TO-KNOW

Proposition 65 California Safe Drinking Water and Toxic Enforcement Act. This product does not contain materials at levels which the State of California has found to cause cancer, birth defects, or other reproductive harm.

XI. REGULATORY INFORMATION

No known ingredients which occur at greater than 0.1% are listed as a carcinogen in the IARC Monographs on the Evaluation of the Carcinogenic Risk of Chemicals to Humans, the NTP Annual Report on Carcinogens or OSHA 29 CFR 1910.1001-1048 subpart Z Toxic and Hazardous Substances (Specifically Regulated Substances).

Skin Protection

(protective material): Permeation/degradation values of chemical mixtures cannot be predicted from pure components or chemical classes. Thus, these materials are normally best estimates based on available pure component data. A significant difference in chemical breakthrough time has been reported for generally similar gloves from different manufacturers (AIHJ., 48, 941-947, 1987).

Do not use until manufacturer's precautions have been read/understood.

Wash exposed areas promptly and thoroughly after skin contact from working with this product and before eating, drinking, using tobacco products or rest rooms.

Do not wear contact lenses without proper eye protection when using this product.

SALES OFFICE

For Product Information:
TEL: 662-494-3055
FAX: 662-494-2828

Post Office Drawer 1217
West Point, MS 39773

To Place An Order:
TEL: 800-953-3585
FAX: 800-953-3588

IMPORTANT

The information on this Material Safety Data Sheet is believed to be accurate but is not warranted to be so. Protective equipment, health effects, and other related safety measures are based on intended and anticipated product use. Recipients are advised to confirm in advance of need that the information is applicable and suitable to their circumstances.