



Material Safety Data Sheet

Product Name **Sodium sulfite**

- **Statements:** P305, P351 and P338- If in Eyes: Rinse with water for several minutes.
P302 + P352-If on Skin: Wash with plenty of soap and water.
- **HMIS Classification:** Health Hazard 1
Flammability 0
Reactivity 0
- **Potential Health** Inhalation: Irritant
- **Effects:** Eye: Irritant
Skin: Irritant
Ingestion: Harmful if swallowed

Medical Condition aggravated by long term exposure - Capable of provoking bronchospasm in sulfite sensitive individuals with asthma.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

- **Substances:** Sodium sulfite
- **Mixtures:**

Name of Substance	Molecular Formula	Molar mass	CAS No
Sodium Sulfite	Na ₂ SO ₃	126 g/mol	7757-83-7

SECTION 4: FIRST AID MEASURES

- Eye contact:** Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention.
- Skin Contact:** In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Cold water may be used. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.
- Inhalation:** If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.



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Ingestion: Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

SECTION 5: FIREFIGHTING MEASURES

Suitable extinguishing media: foam, Dry powder, Carbon dioxide, Water spray, Sand.

Warning: Do not use a heavy water stream.

Fire hazard: Not flammable.

Reactivity: Reacts with some acids: release of toxic and Corrosive products.

Hazardous decomposition products: On burning: release of toxic and corrosive gases/vapors like SO₂.

Precautionary measures fire: Keep container closed when not in use.

Firefighting instructions: Use water Spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fore-fighting water from entering environment.

Protection during firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Protective equipment for non-emergency personnel: Gloves, Safety glasses.

Emergency procedures for non-emergency personnel: Evacuate unnecessary personnel.

Protective equipment for emergency responders: Equip cleanup crew with proper protection.

Emergency procedures for emergency responders: Ventilate area.

Environmental precautions: Prevent entry to sewers and public waters.

Methods and material for containment: Do not use compressed air for pumping over spills. Prevent dispersion by moistening spills with water or foam.

Methods and material for cleaning up: On land: sweep or shovel into suitable containers. Minimize generation of dust. Store away from other materials.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling: 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.



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Hygiene measures: Wash exposed skin thoroughly after handling.
Conditions for safe storage: Keep container closed when not in use.

Suitable packaging material: Polyethylene containers.
Warning: Keep away from acids or moisture or any oxidizing agents.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Appropriate engineering controls: Provide adequate general and local exhaust ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure.

Personal protective equipment: Gloves, Safety glasses
Dust protection: dust mask with filter type P3.
Hand protection: Wear Rubber or plastic gloves.
Eye protection: Chemical goggles or safety glasses.
Skin and body protection: Wear suitable protective clothing.
Respiratory protection: Not required in normal conditions.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	solid	Flammability:	non-combustible
Form:	powder, crystalline	pH value:	8.8-10 (for 50 g/l aqueous solution at 20 °C)
Color:	white	Solubility:	soluble in water
Odor:	odorless	Density:	2.63 g/cm ³ at 20 °C
Melting point:	>500°C	Bulk density:	1480 Kg/m ³

SECTION 10: STABILITY AND REACTIVITY

Stability: stable under normal conditions.
Conditions to avoid: air contact, heat, moisture, incompatible materials like strong acids and strong oxidizers.
Hazardous decomposition product: sulfur dioxide and sulfur trioxide.

SECTION 11: TOXICOLOGICAL INFORMATION

Acute toxicity (oral):	Not classified
Acute toxicity (dermal):	Not classified
Acute toxicity (inhalation):	Not classified
LD50 oral Rat:	2610 mg/kg
LC50 Inhalation-Rat:	> 5.5 mg/l/4h
ATE US (oral):	2610 mg/kg body weight
Skin corrosion/irritation:	Causes skin irritation
Serious eye damage/irritation:	Causes serious eye irritation.

