

MATERIAL SAFETY DATA SHEET

24 HR. EMERGENCY PHONE # CHEM-TREC 1-800-424-9300

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SECTION 1 Product Identification

CHEMICAL NAME: Sodium sulfite, anhydrous

CAS #: 7757-83-7

FORMULA: Na₂SO₃

SYNONYM: Disodium sulfite, Sulfurous acid, disodium salt, Sulfurous acid

SECTION 2 Composition and Information on Ingredients

INGREDIENT:	CAS #	%	ACGIH (TWA)	OSHA (PEL)
Title Compound	7757-83-7	100	no data	no data

SECTION 3 Hazards Identification

EMERGENCY OVERVIEW: Irritating to skin, eyes and respiratory tract. Sensitization possible through inhalation, ingestion and skin contact. Possible risk of irreversible effects.

PRIMARY ROUTES OF EXPOSURE: Ingestion, Inhalation of dust.

EYE CONTACT: Irritating to eyes. May cause redness and pain.

SKIN CONTACT: Irritating to skin. May cause itching and redness.

INHALATION: Inhalation of dust can lead to irritation of the respiratory tract, causing coughing and sore throat.

INGESTION: May be harmful if swallowed. Very large doses may cause colic, diarrhea, CNS depression and, in some cases, death

CHRONIC HEALTH EFFECTS: Possible risk of irreversible effects.

ACUTE HEALTH EFFECTS: Irritating to the eyes, skin, and respiratory tract. Some individuals may be sensitive to small amounts of sulfites in foods. Symptoms may include bronchial constriction, shock, angio edema, flushing.

SECTION 4 First Aid Measures

EYE EXPOSURE: Immediately flush the eyes with copious amounts of water for at least 15 minutes. Assure flushing under eyelids. A victim may need assistance in keeping their eyelids open. Get immediate competent medical attention.

SKIN EXPOSURE: Wash affected area with water. Remove contaminated clothes if necessary. Seek medical assistance if irritation persists.

INHALATION: Remove the victim to fresh air. Closely monitor the victim for signs of respiratory problems, such as difficulty in breathing, coughing, wheezing, or pain. In such cases seek immediate medical assistance.

INGESTION: Seek medical assistance immediately. Keep the victim calm. Give the victim water (only if conscious). Induce vomiting only if directed by medical personnel.

SECTION 5 Firefighting Measures

FLASH POINT: no data

AUTO IGNITION TEMPERATURE: no data

EXPLOSION LIMITS: no data

EXTINGUISHING MEDIUM: None required

SPECIAL FIREFIGHTING PROCEDURES: If involved in a fire, fire fighters should be equipped with a NIOSH approved positive pressure self-contained breathing apparatus and full protective clothing.

HAZARDOUS COMBUSTION AND DECOMPOSITION PRODUCTS: If involved in a fire, choking fumes of sulfur dioxide may form.

UNUSUAL FIRE OR EXPLOSION HAZARDS: No unusual fire or explosion hazards.

SECTION 6 Accidental Release Measures

SPILL AND LEAK PROCEDURES: Small spills can be mixed with vermiculite, sodium carbonate or other suitable adsorbent and swept up.

SECTION 7 Handling and Storage

HANDLING AND STORAGE: Store material in a tightly sealed container in a cool, dry place.

SECTION 8 Exposure Controls and Personal Protection

EYE PROTECTION: Always wear approved safety glasses w/side shields, or safety goggles, face shield when handling a chemicals substance in the laboratory.

SKIN PROTECTION: Chemical-resistant.

VENTILATION: If possible, handle the material in an efficient fume hood.

RESPIRATOR: If in form of fine dust and ventilation is not available a respirator should be worn. The use of respirators requires a Respirator Protection Program to be in compliance with 29 CFR 19-10.134.

SECTION 9 Physical and Chemical Properties

COLOR AND FORM: white powder

MOLECULAR WEIGHT: 126.04

MELTING POINT (DEG. C.): no data

BOILING POINT: no data

VAPOR PRESSURE: no data

SPECIFIC GRAVITY: 2.633

SOLUBILITY IN WATER: 12.54g/100cc(0°C)

SECTION 10 Stability and Reactivity

STABILITY: air and moisture stable

HAZARDOUS POLYMERIZATION: no hazardous polymerization

CONDITIONS TO AVOID: none

INCOMPATIBILITY: strong acids
DECOMPOSITION PRODUCTS: sulfur dioxide

SECTION 11 Toxicological Information

RTECS DATA: Oral (mouse); LD50: 820 mg/kg. Intraperitoneal (mouse); LD50: 950 mg/kg. Intravenous (mouse); LD50: 175 mg/kg. Subcutaneous (dog); LDLo: 1300 mg/kg. Subcutaneous (cat); LDLo: 1300 mg/kg. Intravenous (cat); LDLo: 400 mg/kg. Oral (rabbit); LDLo: 2825 mg/kg. Subcutaneous (rabbit); LDLo: 600 mg/kg. Subcutaneous (guinea pig); LDLo: 600 mg/kg. Intravenous (guinea pig); LDLo: 200 mg/kg. Human Lymphocyte; Mutation test systems-not otherwise specified: 100 umol/L.

MUTAGENIC EFFECTS: no data

TETRATOGENIC EFFECTS: no data

CARCINOGENIC EFFECTS: no data

To the best of our knowledge the toxicological effects of this compound have not been fully investigated.

SECTION 12 Ecological Information

ECOLOGICAL INFORMATION: No information available

SECTION 13 Disposal Considerations

DISPOSAL: Dispose of in according to local state and federal regulations.

SECTION 14 Transportation Information

Non-hazardous

Non-hazardous

SECTION 15 Regulatory Information

TSCA: Listed in the TSCA inventory

SARA (TITLE 313): Title compound not listed

SECTION 16 Other Information

DISCLAIMER: The information herein is believed to be accurate and reliable as of the date compiled. However, ProChem, Inc. makes no representation, warranty, or guarantee of any kind with respect to the information in this document or any use of the product based on the information.

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