



Safety Data Sheet

For Compliance with OSHA 29 CFR 1910.1200 and ANSI Z400.1-1998

Sodium Metabisulfite NF Granular

30-1349

Section 1: Identification

Product Name Sodium Metabisulfite NF Granular
Commercial Name Not available
Product Use Drug manufacture, food additive, water treatment, textile manufacture, photographic and other chemics
Restrictions On Use Not available
Product Code 30-1349
Company PCCA
9901 South Wilcrest
Houston, TX 77099
Phone: 1-800-331-2498
Fax: 1-800-874-5760

In case of emergency contact:
CHEMTREC (24hr) 1-800-424-9300

Section 2: Hazard(s) Identification

OSHA Haz Com: GHS Classification Acute Toxicity, oral Category 4 Serious Eye Damage/eye irritation Category 1
CFR 1910.1200

Signal Word DANGER

Hazard Statement(s) Harmful if swallowed. Causes serious eye damage.

Pictogram(s) or Symbol(s)



Precautionary Statement(s):

Prevention Wash thoroughly after handling. Wear eye protection/face protection.
Response If swallowed: Call a poison center/doctor if you feel unwell. Rinse mouth. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center/doctor.
Storage Not available.
Disposal Dispose of contents/container in accordance with local/regional/national/international regulations.

Section 3: Composition/Information on Ingredients

Substance/Mixture Mixture
Components Sodium metabisulfite, Sodium Sulfite
% By Weight Sodium metabisulfite: >98 Sodium Sulfite: <1.5
CAS# 7681-57-4/7757-83-7
Molecular Weight 190.13 g/mole
Chemical Formula Na₂S₂O₅
Synonym(s) Disodium pyrosulfite; Sodium Pyrosulfite; Sodium Metabisulphite

Mixtures

Name	CAS#	% by Weight	TLV/PEL	LC50/LD50
Sodium metabisulfite	7681-57-4	>98	TWA: 5 (mg/m ³) [United Kingdom (UK)] TWA: 5 (mg/m ³) from ACGIH (TLV) [United States] TWA: 5 (mg/m ³) from NIOSH [United States]	ORAL (LD50): Acute: 1131 mg/kg [Rat]. DERMAL (LD50): Acute: >2000 mg/kg [Rat]. >1000 mg/kg [Guinea pig].
Sodium Sulfite	7757-83-7	<1.5		



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Section 4: First-Aid Measures

Inhalation	Move to fresh air. Call a physician if symptoms develop or persist.
Skin Contact	Wash off with soap and water. Get medical attention if irritation develops and persists
Eye Contact	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Get medical attention immediately. Continue rinsing.
Ingestion	Rinse mouth. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Get medical advice/attention if you feel unwell.
Symptoms/Effects	
Acute	Severe eye irritation.
Delayed	Not available.

Immediate Medical Attention

Provide general supportive measures and treat symptomatically. Dilute with water or milk. Administer activated charcoal as a slurry. For hypotension, infuse 10- 20 mL/kg isotonic fluid. Administer dopamine or norepinephrine if hypotension persists. For seizures, administer benzodiazepine intravenously. Monitor for hypotension, dysrhythmias, respiratory depression, and need for endotracheal intubation. Evaluate for hypoglycemia, electrolyte disturbances, and hypoxia. For hypersensitivity or inhalation exposures, maintain respirations and reverse bronchospasm and hypotension by treatment with subcutaneous epinephrine, corticosteroids, non-sulfite-containing nebulized bronchodilators, and theophylline.

Section 5: Fire-Fighting Measures

Suitable Extinguishing Media

Water. Foam. Dry chemical or CO₂. Use fire-extinguishing media appropriate for surrounding materials.

Unsuitable Extinguishing Media

Not available.

Products of Combustion

Not available.

Firefighters Special Equipment and Precautions

Wear suitable protective equipment. Use water spray to cool unopened containers. As with all fires, evacuate personnel to a safe area. Firefighters should use self-contained breathing equipment and protective clothing. Use standard firefighting procedures and consider the hazards of other involved materials.

Section 6: Accidental Release Measures

Keep unnecessary personnel away. Wear appropriate personal protective equipment. Avoid inhalation of dust from the spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Avoid the generation of dusts during clean-up. Sweep up or vacuum up spillage and collect in suitable container for disposal. Clean surface thoroughly to remove residual contamination. Avoid discharge into drains, water courses or onto the ground.

Section 7: Handling and Storage

Handling: As a general rule, when handling USP materials, avoid all contact and inhalation of dust, mists, and/or vapors associated with the material. Clean equipment and work surfaces with suitable detergent or solvent after use. After removing gloves, wash hands and other exposed skin thoroughly. Select and use containment devices and personal protective equipment based on a risk assessment of material potency and exposure potential. **Storage:** Store in tight container. This material should be handled and stored per label instructions to ensure product integrity.

Section 8: Exposure Controls/Personal Protection

Exposure Limits	TWA 5 mg/m ³
Engineering Controls	For laboratory operations, use good technique and limit open handling. Control exposures to below the occupational exposure level (if available). Select and use containment devices and personal protective equipment based on a risk assessment of exposure potential. Cover all containers for solutions and slurries while being transferred.

Personal Protection

Eye/face protection: Wear safety glasses with side shields, chemical splash goggles, or full face shield, if necessary. Base the choice of protection on the job activity and potential for contact with eyes or face. An emergency eye wash station should be available. Skin protection Hand protection: Wear nitrile or other impervious gloves if skin contact is possible. When the material is dissolved or suspended in an organic solvent, wear gloves that provide protection against the solvent. Other: Wear lab coat. Base the choice of skin protection on the job activity, potential for skin contact and solvents and reagents in use. Do not wear protective garments in common areas (e.g., cafeterias) or out-of-doors. Respiratory protection: Respirators are generally not required for laboratory operations. Choose respiratory protection appropriate to the task and the level of existing engineering controls. Thermal hazards: Wear appropriate thermal protective clothing, when necessary. General hygiene considerations: Handling practices in this SDS are recommendations for laboratory use of USP materials.

Section 9: Physical and Chemical Properties

Appearance	Solid. Powdered solid. Color: White		
Odor	odor of sulfur dioxide.		
Odor Threshold	Not available		
Melting Point	302 °F (150 °C)	pH	pH in aqueous solution 3.5 - 5
Freezing Point	Not available	Vapor Pressure	< 0.0000001 kPa (77 °F (25 °C))
Boiling Point/Range	Not available.	Vapor Density	Not available.
Decomposition temperature	Not available	Viscosity	Not available.
Partition Coefficient: n-octanol/water	-3.7	Evaporation Rate	Not applicable
Flash Point	Not flammable	Autoignition temperature	Not applicable
Flammability	Not applicable	Flammability or Explosive Limits:	
		Lower	Not applicable
		Upper	Not applicable
Solubility(ies)	540 g/l Very soluble in water		
Other	Density 1480.00 kg/m3 Molecular formula H2-O5-S2.2Na Molecular weight 190.11 g/mol Percent volatile 0 % pH in aqueous solution 3.5 - 5		

Section 10: Stability and Reactivity

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical Stability	Material is stable under normal conditions.
Hazardous Polymerization	No dangerous reaction known under conditions of normal use.
Conditions to Avoid	Contact with incompatible materials
Incompatible Materials	Strong oxidizing agents. Alkalis. Aluminum powder.
Hazardous Decomposition Products	SOx. NaOx. Irritating and/or toxic fumes or gases. Emits toxic fumes under fire conditions.

Section 11: Toxicological Information
RTECS VZ2000000

Acute Toxicity

Acute Dermal: LD50 Rat > 2000 mg/kg Inhalation: LC50 Rat > 5.5 mg/l/4h Oral: LD50 Rat 1540 mg/kg 1131 mg/kg

Skin Corrosion/Irritation

Not available.

Serious Eye Damage/Irritation

Causes serious eye damage.

Respiratory or Skin Sensitization

Not available

Germ Cell Mutagenicity

Not available

Carcinogenicity

Not available

Reproductive Toxicity

Not available

Routes of Entry

Eye. Ingestion.

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Symptoms Related to Exposure

Not available

Potential Health Effects

Not available.

Target Organ(s)

Not available

Section 12: Ecological Information**Ecotoxicity**

Other EC50 Activated sludge, industrial > 1000 mg/l, 3 hours Aquatic Crustacea EC50 Daphnia magna 89 mg/l, 48 hours Fish LC50 Fish 316 mg/l, 96 hours

Persistence and Degradability

Not available

Bioaccumulative Potential

log Kow -3.7

Mobility in Soil

Not available

Other Adverse Effects

Not available

Section 13: Disposal Considerations**Waste Disposal**

Dispose in accordance with all applicable regulations. Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste. The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

Disposal of Container

Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner.

Other Considerations

Since emptied containers may retain product residue, follow label warnings even after container is emptied.

Section 14: Transport Information**DOT Classification**

DOT Not a DOT controlled material (United States). This material is not classified dangerous good according to international transportation regulations (ADR/RID-IMDG-ICAO/IATA).

Section 15: Regulatory Information**Regulations**

Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires emergency planning based on Threshold Planning Quantities (TPQs) and release reporting based on Reportable Quantities (RQs) in 40 CFR 355 (used for SARA 302, 304, 311 and 312). Components present in this product at a level which could require reporting under the statute are: NONE. Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires submission of annual report release of toxic chemicals that appear in 40 CFR 372 (used for SARA 313). This information must be included in all MSDSs that are copied and distributed for this material. Components present in this product at a level which could require reporting under the statute are: NONE; California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer which would require a warning under the statute: Sodium metabisulfite

Other

WHMIS Not controlled under WHMIS (Canada). (Canada); DSCG (EEC) R36/38- Irritating to eyes and skin.; Gloves.; Lab coat.; Dust respirator. Be sure to use an approved/certified respirator or equivalent.; Splash goggles.

Section 16: Other Information



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On -board ship use of Food Grade material to preserve shrimp and fish: NEVER apply dry material to shrimp or fish. ALWAYS prepare and use a solution in a well - ventilated area. NEVER use below deck or in any confined space such as a hold or cooler. Injury or death may occur. ALWAYS use on deck with plenty of ventilation. Follow mixing and use directions printed on bag.