

# Chemical Store Inc.

Safety Data Sheet (SDS)  
Sodium Metabisulfite

## Safety Data Sheet (SDS)

### Section 1: Identification

Product Identifier: Sodium Metabisulfite, Fine Crystals

Chemical Formula: Na<sub>2</sub>S<sub>2</sub>O<sub>5</sub>

CAS Number: 7681-57-4

Other Names: Disodium disulfite, Sodium pyrosulfite

Recommended Use: Antioxidant, preservative, reducing agent

Restrictions on Use: Not for use in food or pharmaceuticals unless specifically authorized.

Supplier Details:

Name: Chemical Store Inc.

Address: 1059 Main Avenue, Clifton, NJ 07011, USA

Phone: (973) 405-6248

Emergency Contact: 973-420-4972

### Section 2: Hazard Identification

Classification (GHS-US):

- Acute Toxicity, Oral (Category 4)
- Eye Irritation (Category 2A)
- Respiratory Sensitization (Category 1)
- Skin Sensitization (Category 1)

Label Elements:

Signal Word: Danger

Hazard Statements:

H302: Harmful if swallowed.

H319: Causes serious eye irritation.

H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H317: May cause an allergic skin reaction.



Pictograms :

### Section 3: Composition/Information on Ingredients

Substance: Sodium Metabisulfite

CAS Number: 7681-57-4

EINECS Number: 231-673-0

Concentration: > 98%

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Sodium Metabisulfite

## Section 4: First-Aid Measures

Inhalation: Remove to fresh air. If breathing is difficult, administer oxygen. Seek medical attention.

Skin Contact: Wash with plenty of soap and water. Remove contaminated clothing. If irritation or rash occurs, seek medical advice.

Eye Contact: Flush eyes with water for at least 15 minutes. Remove contact lenses if present and continue rinsing. Seek immediate medical attention.

Ingestion: Rinse mouth. Do NOT induce vomiting. Seek medical attention.

## Section 5: Fire-Fighting Measures

Suitable Extinguishing Media: Water spray, dry chemical, foam, or carbon dioxide.

Unsuitable Extinguishing Media: Do not use water jet.

Specific Hazards: Releases sulfur dioxide gas when heated.

Protective Equipment: Wear self-contained breathing apparatus and full protective gear.

## Section 6: Accidental Release Measures

Personal Precautions: Use personal protective equipment (PPE). Avoid dust formation.

Environmental Precautions: Prevent further leakage or spillage if safe to do so. Avoid release into the environment.

Cleanup Methods: Sweep up and shovel into suitable containers for disposal. Avoid raising dust.

## Section 7: Handling and Storage

Precautions for Safe Handling: Avoid inhalation of dust and contact with eyes, skin, and clothing. Use with adequate ventilation.

Storage Conditions: Store in a cool, dry, and well-ventilated area. Keep container tightly closed.

## Section 8: Exposure Controls/Personal Protection

Control Parameters:

- OSHA PEL: 5 mg/m<sup>3</sup>
- ACGIH TLV: 5 mg/m<sup>3</sup>

Engineering Controls: Ensure adequate ventilation.

Personal Protective Equipment:

- Respiratory Protection: Use NIOSH-approved respirators for dust.
- Hand Protection: Protective gloves (e.g., nitrile).
- Eye Protection: Safety goggles or face shield.
- Skin Protection: Protective clothing.

## Section 9: Physical and Chemical Properties

Appearance: White to off-white fine crystals

Odor: Slight sulfurous

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Safety Data Sheet (SDS)

Sodium Metabisulfite

Odor Threshold: Not available  
pH: 4.0-5.0 (5% solution)  
Melting Point: Decomposes  
Boiling Point: Not applicable  
Flash Point: Not applicable  
Evaporation Rate: Not applicable  
Flammability: Non-flammable  
Vapor Pressure: Not applicable  
Vapor Density: Not applicable  
Relative Density: 1.48  
Solubility: Soluble in water  
Partition Coefficient: Not available  
Auto-ignition Temperature: Not applicable  
Decomposition Temperature: >150°C  
Viscosity: Not applicable

## Section 10: Stability and Reactivity

Reactivity: Reacts with acids to release sulfur dioxide.  
Chemical Stability: Stable under recommended storage conditions.  
Possibility of Hazardous Reactions: None under normal conditions.  
Conditions to Avoid: Heat, moisture, and incompatible materials.  
Incompatible Materials: Acids, oxidizing agents.  
Hazardous Decomposition Products: Sulfur dioxide.

## Section 11: Toxicological Information

Acute Toxicity: LD50 (oral, rat): 1540 mg/kg  
Skin Corrosion/Irritation: May cause irritation.  
Serious Eye Damage/Irritation: Causes eye irritation.  
Respiratory or Skin Sensitization: May cause allergic reactions.  
Carcinogenicity: Not classified as carcinogenic.  
Reproductive Toxicity: No data available.

## Section 12: Ecological Information

Toxicity: Harmful to aquatic life.  
Persistence and Degradability: Degrades in the environment.  
Bioaccumulative Potential: Not expected to bioaccumulate.  
Mobility in Soil: Soluble in water, may leach into groundwater.

## Section 13: Disposal Considerations

Dispose of contents and container in accordance with local, regional, national, and international regulations.

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## Section 14: Transport Information

UN Number: Not regulated

Proper Shipping Name: Not applicable

Transport Hazard Class: Not applicable

Packing Group: Not applicable

## Section 15: Regulatory Information

US Federal Regulations:

- Listed on the TSCA Inventory.

State Regulations: Check state-specific regulations.

## Section 16: Other Information

Preparation Date: 1/29/2025

Revision Date: 1/29/2025 (Pictograms add)

Disclaimer: The information provided in this SDS is accurate to the best of our knowledge. It is intended to describe the product for health, safety, and environmental purposes only.