



# MATERIAL SAFETY DATA SHEET (MSDS)

## Sodium Metabisulphite

### 1. Product Identification

**Synonyms:** Sodium Metabisulphite

**CAS No.:** 7681-57-4

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

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### 2. Composition/Information on Ingredients

Chemical Name Concentration CAS#

Sodium metabisulfite >97 % 7681-57-4

### 3. Hazards Identification

**Emergency Overview:** NOTE TO PHYSICIAN; treat symptomatically and supportively.

**Routes of Entry:**

**Skin Contact:** Yes

**Skin Absorption:** No

**Eye Contact:** No

**Inhalation:** Yes

**Ingestion:** No

**Potential Health Effects:**

**Skin:** May cause irritation. May cause skin sensitization, an allergic reaction, which becomes evident upon re-exposure to this material. **Eye:** May cause slight irritation and/or redness.

**Inhalation:** May cause some respiratory irritation. May cause effects similar to ingestion.

**Ingestion:** May cause gastrointestinal irritation with nausea, vomiting and diarrhea. May be harmful if swallowed.

Exposure may cause central nervous system depression, gastrointestinal and cardiac abnormalities,

and violent colic. Sulfite compounds may cause severe reaction in sensitive individuals and some asthmatic



#### **4. First Aid Measures**

**Eye Contact:** Flush eyes with water for at least 15 minutes. If adverse symptoms develop, seek medical attention.

**Skin Contact:** Wash with soap and water. If irritation develops or persists, seek medical attention. Contaminated clothing should be washed before reuse.

**Inhalation:** Remove victim to fresh air. If breathing has stopped administer CPR and seek medical attention.

**Ingestion:** If conscious give 2 to 4 glasses of water to drink, but DO NOT induce vomiting. Get medical attention. Do not give anything by mouth to an unconscious or convulsing person.

**Other First Aid:** NOTE TO PHYSICIAN; treat symptomatically and supportively.

#### **5. Fire Fighting Measures**

**Conditions Of Flammability:** None known

**Extinguishing Media:** Dry chemical, carbon dioxide, foam, water

**Flashpoint:** Not Available

**Upper Flammable Limit:** Not Available

**Lower Flammable Limit:** Not Available

**Autoignition Temperature:** Not Available

**Protective Equipment:**

**Sensitivity To Impact or Static Discharge:** Dust/air mixture may cause explosion hazard.

**Hazardous Combustion Products:** Not Determined

**Fire Comment:**

#### **6. Accidental Release Measures**

**Personnel Precautions:** Use proper personal protective equipment as listed in section 8.

**Spill Cleanup Measures:** Use appropriate safety equipment. Small spills, sweep up and put into approved DOT containers for disposal or reuse. Large spills, do not allow to enter waterways, sweep or shovel into approved DOT containers for reuse or disposal.

**7. Handling and Storage Handling:** Avoid ingestion. Practice reasonable caution and personal cleanliness. Avoid skin and eye contact.

**Storage:** Store in a cool, dry, well ventilated place. Keep container tightly closed and away from incompatible materials

#### **8. Exposure Controls/Personal Protection**

**Engineering Controls:** Provide mechanical ventilation to prevent dust concentrations, and to reduce potential exposure.

**Personal Protective Equipment:** Chemical resistant clothing is recommended including glove, apron and goggles.



**Respiratory Protection:** Recommend NIOSH approved dust respirator.

**Exposure Limits:** Dermal guinea pig; LD50= >1g/kg oral, Rat; LD50= 1130-1900 mg/kg

**Chemical Name ACGIH TLV-TWA OSHA PEL-TWA**

Sodium metabisulfite 5 mg/m<sup>3</sup> Not Available

## 9. Physical and Chemical Properties

**Physical State:** Solid

**Odour And Appearance:** White to yellow, sulfurous odour

**Odour Threshold:** Not Available

**Boiling Point:** Decomposes

**Evaporation Rate:** Negligible

**Melting Point:** >302°F

**Freezing Point:** Not Applicable

**Density:** 1.48

**Vapour Density:** Negligible

**Vapour Pressure:** Negligible

**pH:** 4.3 (1% solution)

**Flash Point:** Not Available

**Volatility (% by volume):**

**Coefficient of Water to Oil distribution:** Not Applicable

## 10. Stability and Reactivity

**Chemical Stability:** Yes

**Hazardous Polymerization:** Has not been reported.

**Conditions Of Chemical Instability:** Not Applicable

**Incompatible Substances:** Strong oxidizers, acids, water.

**Special Decomposition Products:** Oxides of sulfur, toxic fumes of sodium oxide

## 11. Toxicological Information

**Effects Of Acute Exposure:** Not Available

**Effects Of Chronic Exposure:** Prolonged or repeated contact may cause dermatitis, and/or allergic reactions in sensitive persons.

**General Irritancy Of Product:** Severe

**Sensitization:** Product is known to be a sensitizer.

**Carcinogenicity:** Not considered to be a carcinogenic as IARC, NTP, and OSHA.

**Reproductive Toxicity:** Not Available

**Teratogenicity:** Not Available

**Embryotoxicity:** Not Available

**Mutagenicity:** Not Available

**Synergistic Products:** Not Available

## 12. Ecological Information



**Ecotoxicity:** Not Available

**Environmental Fate:** Not Available

### **13. Disposal Considerations**

**Waste Disposal:** All waste should be disposed of according to Federal, Provincial and local regulations. It is the responsibility of

the end user to determine if material meets criteria for hazardous waste at the time of disposal. Containers should NOT be reused. Containers should be disposed of in accordance with government regulations.

### **14. Transport Information**

**TDG Classification:** Not Regulated

**DOT UN Number:** Not Applicable

**Shipping Notes:** No special requirement

### **15. Regulatory Information**

Workplace Hazardous Information Systems Data (WHMIS):

Class ID Class Work Place Hazard

D-2-B Materials Causing Other Toxic Effects - Toxic Skin and eye irritant

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

### **16. Other Information**

**Disclaimer:**

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**SUNIVO provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose.**

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