



MATERIAL SAFETY DATA SHEET

Sodium Metabisulphite

Section 01 - Chemical And Product And Company Information

Product Identifier Sodium Metabisulphite

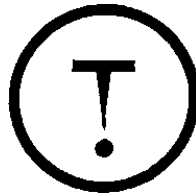
Product Use Antioxidant. Bleaching and disinfectant agent in textile, laundering, paper, and fermentation industries

Supplier Name..... ClearTech Industries Inc.
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Canada

Prepared By..... ClearTech Industries Inc. Technical Department
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Preparation Date..... August 12, 2002

24-Hour Emergency Phone..... 306-664-2522



Section 02 - Composition / Information on Ingredients

Hazardous Ingredients	Sodium metabisulphite	100%
CAS Number	Sodium metabisulphite	7681-57-4
Synonym (s)	Sodium metabisulfite, Anhydrous sodium bisulfite, ABS, Pyrosulfite	

Section 03 - Hazard Identification

Inhalation..... Contact with acids, water and/or ice, releases sulphur dioxide gas which may be harmful or deadly if inhaled. May cause severe or deadly allergic reactions in some asthmatics and sulphite sensitive individuals. Inhalation of dust or mist can irritate the respiratory tract. Possible signs and symptoms of allergic reaction include bronchoconstriction, sweating, flushing, hives, rapid heart rate, decreased blood pressure, and anaphylaxis





- Lower Flammable Limit.....** Not applicable.
- Hazardous Combustible Products.** When decomposed, sodium sulphide residue is produced, which is a dangerous fire risk, a strong irritant to skin and tissue and incompatible with acids.
- Special Fire Fighting Procedures...** Wear NIOSH-approved self-contained breathing Apparatus and protective clothing.
- Explosion Hazards.....** Data not available.

Section 06 - Accidental Release Measures

- Leak / Spill.....** Promptly sweep or shovel up with a minimum of dusting and place in empty closed containers. Cautiously spray residue with plenty of water. Provide ventilation to clear sulphur dioxide fumes, which will be generated as a result of water contact.
- Deactivating Materials.....** Dilute hydrogen peroxide

Section 07 - Handling and Storage

- Handling Procedures.....** Use sensible industrial hygiene and housekeeping practises. Avoid dust formations. Wash thoroughly after handling. Avoid situations that could lead to harmful exposure.
- Storage Requirements.....** Store in a cool, dry, well-ventilated place. Keep container tightly closed, and away from incompatible materials.

Section 08 - Personal Protection and Exposure Controls

Protective Equipment

- Eyes.....** Chemical goggles, full-face shield, or a full-face respirator is to be worn at all times when product is handled. Contact lenses should not be worn; they may contribute to severe eye injury.
- Respiratory.....** Respiratory protection is not normally required. If use creates vapours, mists, or aerosols, then a NIOSH-approved respirator with a dust/mist cartridge is recommended.
- Gloves.....** Impervious gloves of chemically resistant material (rubber or PVC) should be worn at all times. Wash contaminated clothing with soap and water, dry thoroughly before reuse.



Clothing..... Body suits, aprons, and/or coveralls of chemical resistant material should be worn at all times. Wash contaminated clothing with soap and water, dry thoroughly before reuse.

Footwear..... Impervious boots of chemically resistant material should be worn at all times

Other..... No other information available

Engineering Controls

Ventilation Requirements..... Local mechanical exhaust ventilation is normally required. Because of potential SO₂ generation, installation of continuous monitoring, detection, and alarm systems is recommended.

Other..... Emergency shower and eyewash should be in close proximity.

Section 09 - Physical and Chemical Properties

Physical State..... Solid

Odor and Appearance..... White solid. Pungent sulphur dioxide odor.

Odor Threshold



Section 10 - Stability and Reactivity

Stability	Stable under normal conditions.
Incompatibility	Moisture sensitive. Oxidizers may cause strong exothermic reaction. Acids, water, and ice yield sulphur dioxide gas, which is toxic, corrosive and potentially deadly. Temperatures above 150°C cause evolution of sulphur dioxide gas.
Hazardous Products of Decomposition	Decomposes to form sulphur dioxide gas which is toxic and corrosive (see above comments) and sodium sulphide residue which is flammable, dangerous fire risk, a strong irritant to skin and tissue and incompatible with acids.
Polymerization	Will not occur.

Section 11 - Toxicological Information

Irritancy	Data not available.
Sensitization	Data not available.
Chronic/Acute Effects	Medical conditions aggravated by exposure. May cause severe or deadly allergic reactions if inhaled or in some asthmatics or sulphide sensitive individuals.
Synergistic Materials	Data not available.
Animal Toxicity Data	LD50 (Intravenous, Rat)= 115 mg/kg
Carcinogenicity	Data not available.
Reproductive Toxicity	Data not available.
Teratogenicity	Data not available.
Mutagenicity	Data not available.

Section 12 - Ecological Information

Fish Toxicity.....



Environmental Effects..... Data not available.

Section 13 - Disposal Considerations

Waste Disposal..... Dispose in accordance with all federal, provincial, and/or local regulations including the Canadian Environmental Protection Act.

Section 14 - Transportation Information

TDG Classification Not a dangerous good.

Class.....

Group.....

PIN Number.....

Other..... Secure containers (full and/or empty) with suitable hold down devices during shipment.

Section 15 - Regulatory Information

WHMIS Classification..... D2

NOTE: THE PRODUCT LISTED ON THIS MSDS HAS BEEN CLASSIFIED IN ACCORDANCE WITH THE HAZARD CRITERIA OF THE CANADIAN CONTROLLED PRODUCTS REGULATIONS. THIS MSDS CONTAINS ALL INFORMATION REQUIRED BY THOSE REGULATIONS

Section 16 - Other Information

Note: The responsibility to provide a safe workplace remains with the user. The user should consider the health hazards and safety information contained herein as a guide and should take those precautions required in an individual operation to instruct employees and develop work practice procedures for a safe work environment. The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by the use of this material. It is the responsibility of the user to comply with all applicable laws and regulations.



ClearTech Industries Inc. - Locations

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