



# MATERIAL SAFETY DATA SHEET

## Sodium Metabisulphite

### Section 01 - Chemical And Product And Company Information

**Product Identifier** ..... Sodium Metabisulphite

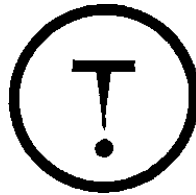
**Product Use** ..... Antioxidant. Bleaching and disinfectant agent in textile, laundering, paper, and fermentation industries

**Supplier Name**..... ClearTech Industries Inc.  
2303 Hanselman Avenue  
Saskatoon SK S7I 5Z3  
Canada

**Prepared By**..... ClearTech Industries Inc. Technical Department  
Phone: (306)664-2522

**Preparation Date**..... August 12, 2002

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



### Section 02 - Composition / Information on Ingredients

<b>Hazardous Ingredients</b> .....	Sodium metabisulphite	100%
<b>CAS Number</b> .....	Sodium metabisulphite	7681-57-4
<b>Synonym (s)</b> .....	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 SO<sub>2</sub> 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**



**ClearTech Industries Inc. - Locations**

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Calgary AB	5516E - 40 <sup>th</sup>			