

Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements

U.S. Department of Labor

Occupational Safety and Health Administration
 (Non-Mandatory Form)
 Form Approved
 OMB No. 1218-0072

IDENTITY (as Used on Label and List)

Sodium Bisulfite

Note: Blank spaces are not permitted. If any item is not applicable or no information is available, the space must be marked to indicate that.

Section I

Manufacturers /Distributor Address Number Street City State and Zip Code	Emergency Telephone Number
Columbus Chemical Industries	CHEMTREC 1-800-424-9300
N4335 Temkin Rd	Telephone Number for Information
Columbus, WI 53925-0008	920-623-2140
	Date Prepared
	10-30-2003
	Signature of Preparer (optional)

Section II - Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity, Common Name(s))	CAS #	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
Sodium Bisulfite	7631-90-5	Not established	5 mg/m ³ TWA	Not available	>95%

SYNONYMS: Monosodium Sulfite

Section III - Physical/Chemical Characteristics

Boiling Point	Not applicable	Specific Gravity (H ₂ O = 1)	Not applicable
Vapor Pressure (mm Hg)	Not applicable	Melting Point	Decomposes
Vapor Density (AIR = 1)	Not applicable	Evaporation Rate (Butyl Acetate = 1)	Not applicable
Solubility in Water			
soluble			
Appearance and Odor			
White,crystalline solid.			

Section IV Fire and Explosion Hazard Data

Flash Point (Method Used)	Flammable Limits	LEL	UEL
Nonflammable		Not applicable	Not applicable
Extinguishing Media			
Use water spray, dry chemical, or carbon dioxide to extinguish supporting fire.			
Special Fire Fighting Procedures			
Wear self-contained breathing apparatus and protective clothing to prevent contact with skin or eyes. Use water spray to keep fire-exposed containers cool.			
Unusual Fire and Explosion Hazards			
Emits toxic fumes under fire conditions.			

Section V Reactivity Data

Stability	Unstable		Conditions to Avoid	Incompatibles, moisture, air
	Stable	X		

Incompatibility Materials to Avoid

Acids and oxidizers. Exposure to air causes oxidation to sulfate.

Hazardous Decomposition or Byproducts

sulfur and sodium oxides

Hazardous Polymerization**Conditions to Avoid**

	May Occur		Not available.
	Will Not Occur	X	

Section VI Health Hazard Data

Routes of Entry	Inhalation ?	Skin ?	Ingestion ?
	X	X	X

Health Hazards (Acute and Chronic)

SKIN: May cause irritation and may be harmful if absorbed through the skin. EYE: Causes eye irritation.

INHALATION: May be harmful if inhaled. Material may be irritating to the mucous membranes and upper respiratory tract. INGESTION: May be harmful if swallowed.

Carcinogenicity	NTP	IARC Monographs	OSHA REGULATED?
	Not listed	Not listed	Not listed

Signs and Symptoms of Exposure.

Irritation to eyes, skin, mucous membranes and upper respiratory tract characterized by itching, swelling, redness and pain. Gastrointestinal discomfort and possible pain upon ingestion.

Medical Conditions Generally Aggravated by Exposure

Unknown to CCI.

Emergency and First Aid Procedures EYES /SKIN: Immediately flush with large amounts of water for at least 15 minutes.

Remove contaminated clothing. Assure adequate flushing of eyes by separating eyelids with fingers. INHALATION: remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. INGESTION:

DO NOT induce vomiting. Give large amounts of water. GENERAL: Wash contaminated clothing.

Section VII Precautions for Safe Handling and Use**Steps to be Taken in Case Material is Released or Spilled**

Evacuate unprotected personnel from area. Wear rubber boots, heavy protective gloves and chemical safety goggles. Sweep up, place in a plastic bag and hold for waste disposal. Large spills may be caustic. Ventilate area and wash spill site after material pickup is complete.

Waste Disposal Method Dispose of material in accordance with all applicable Federal, state, and local regulations.

Precautions to be Taken in Handling and Storing

Store in a cool, dry, well-ventilated area in tightly-closed, plainly-labelled containers. Store in a resistant container. Protect against moisture, physical damage and light. Maintain adequate ventilation. Wash thoroughly after handling. Do not ingest or breathe dust. Protect exposed tissues.

Other Precautions Containers, even when empty, will retain residue and vapors. Always obey hazard warnings and handle empty containers as if they were full. Do not breathe dust.

Section VII Control Measures

Respiratory Protection (Specify Type) NIOSH / MSHA-approved respirator with dust/mist cartridge.

Ventilation	Local Exhaust	Recommended.	Special	Eyewash nearby.
	Mechanical (General)	Recommended.	Other	Safety shower nearby.

Protective Gloves Appropriate chemical-resistant gloves. **Eye Protection** Safety goggles.

Other Protective Clothing or Equipment Lab coat or apron, boots, dust-mask.

Work /Hygienic Practices Do **NOT** wear contact lenses when handling material. Wear appropriate personal protective

Wash thoroughly after handling. Do not breath vapors. Avoid contact with eyes, skin and clothing. Avoid prolonged or repeated exposure. Wash contaminated clothing before reuse.

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