

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)

Potassium Metabisulfite

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

Columbus Chemical Industries

N4335 Temkin Road

Columbus, Wisconsin 53925

Emergency Telephone Number

CHEMTREC 1 (800) 424-9300

Telephone Number for Information

1-920-623-2140

Date Prepared

02-02-2006

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)
Potassium Metabisulfite*	16731-55-8	Not available	Not available	See Note**	

*Synonyms: Dipotassium pyrosulfite, Potassium pyrosulfite

** OSHA establishes a PEL of 15 mg/m³ (total dust) and 5 mg/m³ (respirable dust) for "Particulates Not Otherwise Regulated."

Section III - Physical/Chemical Characteristics

Boiling Point	Not Available	Specific Gravity (H ₂ O = 1)	2.34
Vapor Pressure (mm Hg)	Not Available	Melting Point	Decomposes 150 °C(302°F)
Vapor Density (AIR = 1)	2.3	Evaporation Rate (Butyl Acetate = 1)	Not Available

Solubility in Water

soluble in cold water, slightly soluble hot water.

Appearance and Odor

White crystalline solid.

Section IV Fire and Explosion Hazard Data

Flash Point (Method Used)	Flammable Limits	LEL	UEL
Not flammable		Not Applicable	Not Applicable

Extinguishing Media

Use extinguishing media appropriate for surrounding fire.

Special Fire Fighting Procedures

In the event of a fire, wear full protective clothing and NIOSH/MSHA-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

Unusual Fire and Explosion Hazards

Emits toxic fumes under fire conditions. Handling of product may result in formation of nuisance dust. Yields a choking gas when heated to decomposition.

Section V Reactivity Data

Stability	Unstable		Conditions to Avoid	incompatibles
	Stable	X		

Incompatibility Materials to Avoid

oxidizing agents, acids, moisture, air. Oxidizes in air to sulfate. Liberates sulfur dioxide in contact with acids.

Hazardous Decomposition or Byproducts

Potassium oxides, sulfur oxides, carbon oxides.

Hazardous Polymerization**Conditions to Avoid**

	May Occur		
	Will Not Occur	x	Not listed

Section VI Health Hazard Data

Routes of Entry	Inhalation ?	Skin ?	Ingestion ?
	Yes	Yes	Yes

Health Hazards (Acute and Chronic)

SKIN/EYES: May cause irritation of the skin or eyes upon contact. INHALATION: Irritating to the mucous membranes and upper respiratory tract. INGESTION: May cause irritation.

May cause allergic sensitization of the respiratory tract.

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

Signs and Symptoms of Exposure.

INHALATION: Coughing, wheezing, shortness of breath. INGESTION: Nausea, vomiting, diarrhea, somnolence,

coma. EYES: Itching, redness, tearing,. SKIN: Itching, redness, swelling, dermatitis.

Medical Conditions Generally Aggravated by Exposure

Persons with asthma or sensitivity to sulfites should use caution in handling this material.

Emergency and First Aid Procedures

EYES /SKIN: Immediately flush with large amounts of water for at least 15 minutes.

Remove contact lenses if possible. Assure adequate flushing of eyes by separating eyelids with fingers. Call physician

if irritation develops. INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult,

give oxygen. INGESTION: Wash out mouth providing person is conscious. DO NOT induce vomiting. Call a physician.

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

Evacuate unprotected personnel from area. Ventilate spill area. Wear self-contained breathing

apparatus, rubber boots, heavy protective gloves and chemical safety goggles. Avoid raising dust. Add water to control

dust. Pick up, place in a plastic bag and hold for waste disposal. Ventilate and wash spill area after pick up is complete.

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

Precautions to be Taken in Handling and Storing

Store in a cool, dry place. Keep containers tightly closed. Protect from moisture. Do not get into

eyes or on skin or clothing. Do not taste or swallow. Avoid breathing dust. Use only with adequate ventilation.

Wash thoroughly after handling. Avoid raising dust.

Other Precautions Containers, even when empty, will retain residue. Always obey hazard warnings and handle empty

containers as if they were full.

Section VII Control Measures

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

Ventilation	Local Exhaust	Recommended.	Special	Safety shower nearby.
	Mechanical (General)	Recommended in dusty situations	Other	Eyewash station nearby.

Protective Gloves Compatible, chemical-resistant gloves. **Eye Protection** Chemical Safety Goggles.

Other Protective Clothing or Equipment Boots; clean body-covering clothing; full-face respirator, if needed.

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

equipment. Wash thoroughly after handling. Avoid breathing or raising dust. Avoid contact with eyes, skin and clothing.

Use only with adequate ventilation. Avoid prolonged or repeated exposure. Wash contaminated clothing before reuse.

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