

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)
Bromocresol Green, 0.04% Solution

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, Inc.	CHEMTREC 1-800-424-9300
N4335 Temkin Road	Telephone Number for Information
Columbus, WI 53925-0008	920-623-2140
	Date Prepared
	03-16-2006
	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)
Bromocresol Green	62625-32-5	Not Available	Not Available	Not Available	0.04%

Section III - Physical/Chemical Characteristics

Boiling Point	approximately 100 °C (212 °F)	Specific Gravity (H ₂ O = 1)	1.0
Vapor Pressure (mm Hg)	Not available	Melting Point	approximately 0 °C (32 °F)
Vapor Density (AIR = 1)	Not available	Evaporation Rate (Butyl Acetate = 1)	Not available

Solubility in Water
Complete.
 Appearance and Odor
Blue, odorless solution.

Section IV Fire and Explosion Hazard Data

Flash Point (Method Used)	Flammable Limits	LEL	UEL
Nonflammable.		Not applicable	Not applicable
Extinguishing Media			

Use any means suitable for extinguishing 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 (bormides and sulfur oxides) under fire conditions.

Section V Reactivity Data

Stability	Unstable		Conditions to Avoid	Excessive heat, metals, contact
	Stable	X		with sulfuric acid.

Incompatibility Materials to Avoid

Most metals, such as lithium, potassium and sodium metals. Peroxides and other strong oxidizing agents.

Hazardous Decomposition or Byproducts

Unknown.

Hazardous Polymerization**Conditions to Avoid**

	May Occur		Unknown.
	Will Not Occur	X	

Section VI Health Hazard Data**Routes of Entry****Inhalation ?****Skin ?****Ingestion ?**

	Yes		Yes	Yes
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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
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Signs and Symptoms of Exposure.

Irritation to eyes, skin, mucous membranes and upper respiratory tract characterized by itching, swelling, redness and pain.

Medical Conditions Generally Aggravated by Exposure

Unknown to Columbus Chemical Industries, Inc.

Emergency and First Aid Procedures

INGESTION: If swallowed, wash out mouth with water if person is conscious.

EYES: In case of contact, immediately flush with large amounts of water for at least 15 minutes. INHALATION: If inhaled remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. SKIN: Immediately wash skin with soap and large amounts of water.

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

Evacuate area. Absorb with sand or other noncombustible absorbent and place in a suitable container. Flush spill area with water.

Waste Disposal Method

Dispose of according all Federal, state, and local regulations.

Precautions to be Taken in Handling and Storing

Keep in tightly closed container, stored in a cool, dry, ventilated area. Protect against physical damage. Avoid storage below 0 °C (32 °F) and above 49 °C (120 °F).

Other Precautions

Containers, even when empty, will retain residue and vapors. 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 if necessary.

Ventilation**Local Exhaust**

Recommended.

Special

Eye wash nearby.

Mechanical (General)

Recommended.

Other

Safety shower nearby.

Protective Gloves

Chemical-resistant gloves.

Eye Protection

Chemical Safety goggles.

Other Protective Clothing or Equipment

Rubber boots, if needed, and clean body covering clothing.

Work /Hygienic Practices

Contact lenses should not be worn when working with this material. Maintain eye wash fountain and quick-drench facilities in work area. Avoid all unnecessary exposure to the chemical substance and ensure prompt removal from skin, eyes and clothing. Wash thoroughly after handling. Avoid breathing mists.

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