



**COLUMBUS CHEMICAL INDUSTRIES INC.**

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**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)

**Methylene Blue Chloride**

**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
	03-02-2006
	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)
Methylene Blue Chloride*	61-73-4	**	Not Available	Not Available	

\* Synonym: CI 52015, Basic blue #9

\*\* OSHA establishes a PEL of 15 mg/m<sup>3</sup> (total dust) and 5 mg/m<sup>3</sup> (respirable dust) for "Particulates Not Otherwise Regulated."

**Section III - Physical/Chemical Characteristics**

Boiling Point	Not available	Specific Gravity (H <sub>2</sub> O = 1)	Not Available
Vapor Pressure (mm Hg)	Not Available	Melting Point	190 °C (374 °F)
Vapor Density (AIR = 1)	Not Available	Evaporation Rate (Butyl Acetate = 1)	Not available

Solubility in Water

Complete.

Appearance and Odor

Green solid

**Section IV Fire and Explosion Hazard Data**

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

Extinguishing Media

Carbon dioxide, dry chemical powder, water spray, appropriate foam.

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.

**Section V Reactivity Data**

Stability	Unstable		Conditions to Avoid	Incompatibles
	Stable	X		

**Incompatibility Materials to Avoid**

Oxidizing agents, reducing agents

**Hazardous Decomposition or Byproducts**

Carbon oxides, nitrogen oxides, sulfur oxides.

**Hazardous Polymerization****Conditions to Avoid**

	May Occur		N/A
	Will Not Occur	X	

**Section VI Health Hazard Data**

<b>Routes of Entry</b>	<b>Inhalation ?</b>	<b>Skin ?</b>	<b>Ingestion ?</b>
	Yes	Yes	Yes

**Health Hazards (Acute and Chronic)**

SKIN: May cause irritation. EYE CONTACT: May cause eye irritation. INHALATION: Can cause irritation.

INGESTION: May cause irritation. Stains blue on contact.

<b>Carcinogenicity</b>	<b>NTP</b>	<b>IARC Monographs</b>	<b>OSHA REGULATED?</b>
	No	No	No

**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

Not Known

**Emergency and First Aid Procedures** **INGESTION:** If swallowed, wash out mouth with water, call a physician. Do not leave victim unattended. **EYES:** In case of contact, immediately flush with large amounts of water for at least 15 minutes. Call physician. **INHALATION:** If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call physician. **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. Wear NIOSH/MSHA-approved respirator, chemical-resistant goggles, rubber boots, apron and heavy rubber gloves. Sweep up and place in a bag and hold for waste disposal. Ventilate area and wash spill site after material pickup is complete.

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

**Precautions to be Taken in Handling and Storing** Keep in tightly closed plainly-labelled containers, stored in a cool, dry, ventilated area. Protect against physical damage. Keep away from heat, sparks and flame. Maintain adequate ventilation. Ground all equipment containing this material.

**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)** Not required

Ventilation	Local Exhaust	Necessary.	Special	Eyewash nearby.
	Mechanical (General)	Not required	Other	Safety shower nearby.

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

**Other Protective Clothing or Equipment** Lab coat or apron

**Work /Hygienic Practices** Contact lenses should not be worn when working with this material. Maintain eyewash 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.

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