



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)

Chloroform

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, Inc.

N4335 Temkin Road

Columbus, Wisconsin 53925

Emergency Telephone Number

CHEMTREC: 1 (800) 424-9300

Telephone Number for Information

1 (920) 623-2140

Date Prepared

03-06-2006

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)
Chloroform* **	67-66-3	240 mg/m ³ ceiling	Not established	Not established	100

*SYNONYMS: Trichloromethane

**Subject to the reporting requirements of SARA Title III Section 313.

Section III - Physical/Chemical Characteristics

Boiling Point	62 °C (143 °F)	Specific Gravity (H ₂ O = 1)	1.48
Vapor Pressure (mm Hg) @20°C	160 mmhg	Melting Point	-63 °C (-82 °F)
Vapor Density (AIR = 1)	4.13	Evaporation Rate (Butyl Acetate = 1)	11.6

Solubility in Water

Complete in all proportions

Appearance and Odor

Clear, colorless liquid. Heavy ethereal odor.

Section IV Fire and Explosion Hazard Data

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

Extinguishing Media

dry chemical, carbon dioxide, Halon.

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	incompatible materials,
	Stable	X		avoid exposure to air and light.

Incompatibility Materials to Avoid

strong alkalis and aluminum, potassium, halogens.

Hazardous Decomposition or Byproducts

Hydrogen chloride and phosgene

Hazardous Polymerization**Conditions to Avoid**

	May Occur		None
	Will Not Occur	X	

Section VI Health Hazard Data

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

Health Hazards (Acute and Chronic)

SKIN: May cause irritation. EYE: May cause irritation. INHALATION: Destructive to mucous membranes and upper respiratory tract. INGESTION: May be harmful if ingested.

Carcinogenicity	NTP	IARC Monographs	OSHA REGULATED?
	Possible	Possible 2B	Not Listed

Signs and Symptoms of Exposure.

Irritation, especially to mucous membranes of eyes and upper respiratory tract. Itching, redness, staining, swelling of

exposed tissues, loss of consciousness. Ingestion may cause gastrointestinal pain, diarrhea, nausea and vomiting.

Medical Conditions Generally Aggravated by Exposure

Unknown to CCI.

Emergency and First Aid Procedures

INGESTION: If swallowed, call a physician immediately, do not induce vomiting. 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. Contain spill with dikes, sand or noncombustible absorbent material. Hold for waste disposal. Ventilate area and wash spill site after material pickup is complete.

Waste Disposal Method Dispose in accordance with all applicable 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. Maintain adequate ventilation. Do not breathe vapors.

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.

Ventilation	Local Exhaust	Required	Special	Eye-wash station 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 and rubber boots.

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. Avoid breathing vapors.

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