

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 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
	03-03-2006
	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 Chloride* **	67-56-1	25 ppm	50 ppm	125 ppm(STEL)	100%

*Subject to SARA Section 313 Reporting Requirements.

** Dichloromethane

Section III - Physical/Chemical Characteristics

Boiling Point	40°C / 104°F	Specific Gravity (H ₂ O = 1)	1.320
Vapor Pressure (mm Hg) @ 20°C	350 mmHg	Melting Point	-97°C / -143°F
Vapor Density (AIR = 1)	2.9	Evaporation Rate (Butyl Acetate = 1)	27.5

Solubility in Water

Soluble

Appearance and Odor

Clear, colorless liquid with a chloroform-like odor

Section IV Fire and Explosion Hazard Data

Flash Point (Method Used)	Flammable Limits	LEL	UEL
		12%	23%

Extinguishing Media

Carbon dioxide, "alcohol-type foam" or dry chemical

Special Fire Fighting Procedures

Firefighters should wear proper protective equipment and self-contained breathing apparatus with full face piece respirator operated in positive pressure mode.

Unusual Fire and Explosion Hazards

There is a possibility of pressure buildup in closed containers when heated. Water spray may be used to cool the container. Vaporizes easily at normal temperatures. Vapor can travel to an ignition source and flash back.

Section V Reactivity Data

Stability	Unstable		Conditions to Avoid	Heat, ignition sources, moisture.
	Stable	X		

Incompatibility Materials to Avoid

Oxidizers, nitric acid, sulfuric acid, plastics, rubber, aluminum, magnesium, sodium, potassium and lithium.

Hazardous Decomposition or Byproducts

Carbon monoxide, carbon dioxide, forms toxic phosgene gas and hydrochloric acid mist.

Hazardous Polymerization**Conditions to Avoid**

	May Occur		Not applicable.
	Will Not Occur	X	

Section VI Health Hazard Data

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

Health Hazards (Acute and Chronic)

May be fatal if swallowed; harmful if inhaled or absorbed through skin. Causes skin, eye and upper respiratory tract irritation. Can cause central nervous system depression. Chronic exposure can cause liver, heart, and kidney damage. Suspect cancer hazard.

Carcinogenicity	NTP	IARC Monographs	OSHA REGULATED?
	Anticipated	2B - possible	29CFR 1910.1052

Signs and Symptoms of Exposure.

Moderate exposure can cause headache, nausea, tearing and blurred vision. Overexposure may produce depression, dizziness, drowsiness, fatigue and blindness. Ingestion may cause gastrointestinal irritation.

Medical Conditions Generally Aggravated by Exposure

Expected to aggravate asthma, emphysema, other respiratory diseases and existing dermatitis.

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. Contain spill with dikes, sand or noncombustible absorbent material. 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 of spillage, empty containers, and other materials used for clean up in accordance with all 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 area away from oxidizers. Protect against moisture, physical damage and light. Maintain adequate ventilation. Wash thoroughly after handling. Do not ingest or breathe vapors. Keep away from ignition sources.

Other Precautions

Containers, even when empty, will retain residue and vapors. Always obey hazard warnings and handle empty containers as if they were full. Ground containers and ensure ventilation when transferring material.

Section VII Control Measures**Respiratory Protection (Specify Type)**

NIOSH/MSHA approved supplied-air respirator

Ventilation	Local Exhaust	Necessary	Special	Eye wash nearby.
	Mechanical (General)	Recommended	Other	Safety Shower nearby.

Protective Gloves Appropriate chemical resistant gloves **Eye Protection** Chemical Safety Goggles, Full Face Shield.

Other Protective Clothing or Equipment Protective clothing, faceshield and boots is recommended.

Work /Hygienic Practices Do **NOT** wear contact lenses. Wash thoroughly after handling. Avoid eye and skin contact.

Avoid breathing vapors. Follow safe handling and laboratory practices. Wash hands prior to eating or smoking.

FLAMMABLE! Avoid prolonged or repeated contact.

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