

M4420 -01
Effective: 10/14/85

Methylene Chloride

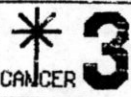
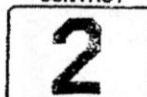
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SECTION I - PRODUCT IDENTIFICATION

Product Name: Methylene Chloride
Formula: CH₂Cl₂
Formula Wt: 84.93
CAS No.: 00075-09-2
NIOSH/RTECS No.: PA8050000
Common Synonyms: Dichloromethane; Methylene Dichloride; Methane Dichloride
Product Codes: 9324,Q480,9315,9329,9264,5531,9330

PRECAUTIONARY LABELLING

BAKER SAF-T-DATATM System

HEALTH  CANCER	FLAMMABILITY  SLIGHT	REACTIVITY  SLIGHT	CONTACT  MODERATE
SEVERE	SLIGHT	SLIGHT	MODERATE

Laboratory Protective Equipment

 GOGGLES & SHIELD	 LAB COAT & APRON	 VENT HOOD	 PROPER GLOVES
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Precautionary Label Statements

POISON! DANGER!
HARMFUL IF INHALED - CAUSES IRRITATION
NOTE: Reported as causing cancer in laboratory animals. Exercise due care.
Avoid contact with eyes, skin, clothing.
Keep in tightly closed container. Wash thoroughly after handling.

SECTION II - HAZARDOUS COMPONENTS

Component	%	CAS No.
Methylene Chloride	90-100	75-09-2

SECTION III - PHYSICAL DATA

Boiling Point: 40°C (104°F) Vapor Pressure(mmHg): 350
Melting Point: -95°C (-139°F) Vapor Density(air=1): 2.9



J. T. Baker Chemical Co.

222 Red School Lane Phillipsburg, N.J. 08865
24-Hour Emergency Telephone -- (201) 859-2151

Chemtrec # (800) 424-9300
National Response Center # (800) 424-8802

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SECTION X - TRANSPORTATION DATA AND ADDITIONAL INFORMATION

DOMESTIC (D.O.T.)

Proper Shipping Name	Dichloromethane (air only)
Hazard Class	ORM-A
UN/NA	UN1593
Labels	NONE

INTERNATIONAL (I.M.O.)

Proper Shipping Name	Dichloromethane
Hazard Class	6.1
UN/NA	UN1593
Labels	HARMFUL - STOW AWAY FROM FOOD STUFFS

/A = Not Applicable or Not Available

The information published in this Material Safety Data Sheet has been compiled from our experience and data presented in various technical publications. It is the user's responsibility to determine the suitability of this information for the adoption of necessary safety precautions. We reserve the right to revise Material Safety Data Sheets periodically as new information becomes available.



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SECTION V - HEALTH HAZARD DATA (Continued)

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Flush skin with water.

SECTION VI - REACTIVITY DATA

Stability: Stable

Hazardous Polymerization: Will not occur

Conditions to Avoid: heat

Decomposition Products: hydrogen chloride

SECTION VII - SPILL AND DISPOSAL PROCEDURES

Steps to be taken in the event of a spill or discharge

Wear self-contained breathing apparatus and full protective clothing. Stop leak if you can do so without risk. Use water spray to reduce vapors. Take up with sand or other non-combustible absorbent material and place into container for later disposal. Flush spill area with water.

Disposal Procedure

Dispose in accordance with all applicable federal, state, and local environmental regulations.

EPA Hazardous Waste Number: U080 (Toxic Waste)

SECTION VIII - INDUSTRIAL PROTECTIVE EQUIPMENT

Ventilation: Use general or local exhaust ventilation to meet TLV requirements.

Respiratory Protection: Respiratory protection required if airborne concentration exceeds TLV. At concentrations above 100 ppm, a self-contained breathing apparatus is advised.

Eye/Skin Protection: Safety goggles and face shield, uniform, protective suit, polyvinyl alcohol gloves are recommended.

SECTION IX - STORAGE AND HANDLING PRECAUTIONS

SAF-T-DATATM Storage Color Code: Blue

Special Precautions

Keep container tightly closed. Store in secure poison area. Keep containers out of sun and away from heat.

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SECTION III - PHYSICAL DATA (Continued)

Specific Gravity: 1.32
(H₂O=1)

Evaporation Rate: 27.5
(Butyl Acetate=1)

Solubility(H₂O): Moderate (1 to 10 %)

% Volatiles by Volume: 100

Appearance & Odor: Colorless, volatile liquid with penetrating, ether-like odor.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point: N/A

NEPA 704M Rating: 2-1-0

Flammable Limits: Upper - 19 % Lower - 12 %

Fire Extinguishing Media

Use extinguishing media appropriate for surrounding fire.

Special Fire-Fighting Procedures

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

Toxic Gases Produced

hydrogen chloride, phosgene

SECTION V - HEALTH HAZARD DATA

Some experiments with test animals indicated that this substance may be anticipated to be a carcinogen.

Threshold Limit Value (TLV/TWA): 350 mg/m³ (100 ppm)

Short-Term Exposure Limit (STEL): 1740 mg/m³ (500 ppm)

Toxicity: LD₅₀ (oral-rat)(mg/kg) - 2524

LD₅₀ (ipr-mouse)(mg/kg) - 1500

LC₅₀ (inhal-rat-)(g/m³) - 88

Effects of Overexposure

Inhalation of vapors may cause nausea, vomiting, lightheadedness or headache.

Liquid may be irritating to skin, eyes, and mucous membranes.

Emergency and First Aid Procedures

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

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