

MALLINCKRODT INC. SCIENCE PRODUCTS DIVISION -- DICHLOROMETHANE -- 6810-00-244-0290

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Product Identification  
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Product ID: DICHLOROMETHANE

MSDS Date: 11/27/1989

FSC: 6810

NIIN: 00-244-0290

MSDS Number: BDMYX

=== Responsible Party ===

Company Name: MALLINCKRODT INC. SCIENCE PRODUCTS DIVISION

Address: PARIS BYPASS

Box: M

City: PARIS

State: KY

ZIP: 40361

Country: US

Info Phone Num: 800-354-2050(PRESS 3)/

314-982-5000

Emergency Phone Num: 800-354-2050/314-539-1600

Preparer's Name: NOT KNOWN

CAGE: 62910

=== Contractor Identification ===

Company Name: MALLINCKRODT SPECIALTY CHEMICALS CO

Address: 222 RED SCHOOL LANE

Box: City: PHILLIPSBURG

State: NJ

ZIP: 08865

Country: US

Phone: 908-859-2151

CAGE: 62910

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Composition/Information on Ingredients  
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Ingred Name: METHYLENE CHLORIDE (SARA III)

CAS: 75-09-2

RTECS #: PA8050000

Fraction by Wt: 100%

Other REC Limits: NONE RECOMMENDED

OSHA PEL: 500

PPM/C,1000; Z2  
ACGIH TLV:50 PPM, A2; 9293  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

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===== Hazards Identification =====

LD50 LC50 Mixture:LD50 (ORAL, RAT) IS 2524 MG/KG.  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO  
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO  
Health Hazards Acute and Chronic:ACUTE- INHALATION MAY CAUSE LIVER INJURY, BLOOD DISORDERS, NARCOSIS, MENTAL CONFUSION, CNS DEPRESSION, UNCONSCIOUSNESS & DEATH. CAN BE ABSORBED & CAUSE SYMPTOMS SIMILAR TO INHALATION, IF INGESTED. MAY BE ABSORBED THROUGH SKIN. CONTACT WITH EYES MAY CAUSE PAIN & INFLAMMATION. CHRONIC- CAUSES DERMATITIS & CNS DEPRESSION.  
Explanation of Carcinogenicity:THE AGENT IS POSSIBLY CARCINOGENIC TO HUMAN.  
Effects of Overexposure:EYES, SKIN AND RESPIRATORY TRACT IRRITATION, NAUSEA, VOMITING, HEADACHES, EYE AND SKIN REDNESS AND PAIN  
Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING SKIN DISORDERS OR EYE PROBLEMS OR IMPAIRED LIVER, KIDNEY, CARDIOVASCULAR OR RESPIRATORY FUNCTION MAY BE MORE SUSCEPTIBLE TO THE EFFECTS OF THE SUBSTANCE.

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===== First Aid Measures =====

First Aid:GET MEDICAL ATTENTION IMMEDIATELY. EYE/SKIN:IMMEDIATELY FLUSH WITH WATER FOR AT LEAST 15 MINUTES. HOLD EYELIDS OPEN. INHALED:REMOVE TO FRESH AIR & PROVIDE OXYGEN/CPR IF NEEDED. ORAL:IF CONSCIOUS, INDUCE VOMITING BY DRINKING TWO GLASSES OF WATER AND STICKING FINGER DOWN THROAT. CALL A PHYSICIAN IMMEDIATELY. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

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===== Fire Fighting Measures =====

Flash Point:NONE  
Autoignition Temp:Autoignition Temp Text:>1033F  
Lower Limits:12 IN OXYGEN  
Upper Limits:19 IN OXYGEN  
Extinguishing Media:CARBON DIOXIDE, FOAM OR DRY CHEMICAL. WATER SPRAY MAY BE USED TO KEEP FIRE EXPOSED CONTAINERS COOL & FLUSH SPILLS AWAY.  
Fire Fighting Procedures:WEAR FULL PROTECTIVE CLOTHING AND NIOS

H-APPROVED SELF-CONTAINED BREATHING APPARATUS WITH FULL FACEPIECE OPERATED IN THE POSITIVE PRESSURE MODE.

Unusual Fire/Explosion Hazard:FORMS EXPLOSIVE MIXTURES IN HIGH OXYGEN CONTENT ATMOSPHERE, IN LIQUID OXYGEN, NITROGEN DIOXIDE. VAPORS>AIR CAN TRAVEL TO DISTANCE IGNITION SOURCE AND FLASH BACK

===== Accidental Release Measures =====

Spill Release Procedures:EVACUATE PERSONNEL. WEAR PROPER PROTECTIVE CLOTHING AND EQUIPMENTS. VENTILATE AREA. STOP LEAK IF POSSIBLE.

CONTAIN SPILL. ABSORB WITH VERMICULITE, DRY SAND OR SIMILAR MATERIAL AND PLACE IN APPROPRIATE DISPOSAL CONTAINER. DO NOT FLUSH TO SEWER.

Neutralizing Agent:NOT RELEVANT

===== Handling and Storage =====

Handling and Storage Precautions:STORE IN COOL, DRY, WELL VENTILATED PLACE AWAY FROM INCOMPATIBLE MATERIALS. KEEP CONTAINERS CLOSED WHEN NOT IN USE.

Other Precautions:UNDER NORMAL CONDITIONS, STORE IN GALVANIZED IRON, BLACK IRON OR STEEL. ALUMINUM IS NOT RECOMMENDED. OUTSIDE/DETACHED GARAGE IS RECOMMENDED. ISOLATE FROM SOURCE OF HEAT OR IGNITION. SHOWER, CHANGE TO CLEAN GARMENTS AT THE END OF THE DAY.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:IF THE TLV IS EXCEEDED, WEAR A NIOSH-APPROVED SUPPLIED AIR, FULL-FACEPIECE RESPIRATOR, AIRLINE HOOD OR SELF-CONTAINED BREATHING APPARATUS.

Ventilation:LOCAL EXHAUST AND/OR MECHANICAL (GENERAL) VENTILATION AS REQUIRED TO KEEP CONCENTRATIONS BELOW OSHA PEL.

Protective Gloves:PVA.

Eye Protection:CHEMICAL SPLASH GOGGLES.

Other Protective Equipment:PROTECTIVE CLOTHING AS NEEDED TO PREVENT PROLONGED/REPEATED SKIN CONTACT, EYE WASH STATION AND SAFETY SHOWER.

Work Hygienic Practices:AVOID CONTACT WITH EYES, SKIN OR CLOTHING. DO NOT BREATHE VAPORS. DO NOT WEAR CONTACT LENSES WHILE WORKING WITH MATERIAL

Supplemental Safety and Health

===== Physical/Chemical Properties =====

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HCC:T4

Boiling Pt:B.P. Text:104F,40C

Melt/Freeze Pt:M.P/F.P Text:-142F,-97C

Vapor Pres:350 @ 68 F

Vapor Density:2.9

Spec Gravity:1.3

Viscosity:NOT KNOWN

Evaporation Rate & Reference:27.5 (N-BUTYL ACETATE=1)

Solubility in Water:1.32 G% @ 68 F

Appearance and Odor:CLEAR, COLORLESS LIQUID WITH A CHLOROFORM-LIKE ODOR

Percent Volatiles by Volume:100

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZERS AND

CAUSTICS. CHEMICALLY ACTIVE METALS SUCH AS

ALUMINUM & MAGNESIUM POWDERS, SODIUM, POTASSIUM, LITHIUM

Stability Condition to Avoid:STABLE UNDER ORDINARY CONDITIONS OF USE

AND STORAGE. AVOID CONTACT WITH OPEN FLAMES AND ELECTRICAL ARCS.

Hazardous Decomposition Products:EMITS HIGHLY TOXIC GAS OF PHOSGEN WHEN HEATED TO DECOMPOSITION. CONTACT WITH HOT SURFACE/FLAME MAY FORM PHOSGENE AND HCL

===== Disposal Considerations =====

Waste Disposal Methods:CO

LECT AS HAZARDOUS WASTE AND ATOMIZE IN A

SUITABLE RCRA APPROVED COMBUSTION CHAMBER. DISPOSE OF IN FULL COMPLIANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS.

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