

VULCAN MATERIALS CO, VULCAN CHEMICALS DIV -- METHYLENE CHLORIDE, TECHNICAL GRADE AND DECA -- 6810-00-244-0290

===== Product Identification =====

Product ID: METHYLENE CHLORIDE, TECHNICAL GRADE AND DECA

MSDS Date: 01/01/1990

FSC: 6810

NIIN: 00-244-0290

MSDS Number: BMTWW

=== Responsible Party ===

Company Name: VULCAN MATERIALS CO, VULCAN CHEMICALS DIV

Box: 7689

City: BIRMINGHAM

State: AL

ZIP: 35253-0689

Country:

US

Info Phone Num: 205-877-3459

Emergency Phone Num: 316-524-5751

CAGE: 24108

=== Contractor Identification ===

Company Name: SANLO PRODUCTS CO

Address: 100 , MANHATTAN AVE SUITE 103

City: UNION CITY

State: NJ

ZIP: 07087

Country: US

Phone: 201-348-1684/800-424-9300 (CHEMTREC)

CAGE: 0K5U0

Company Name: VULCAN MATERIALS CO CHEMICALS DIVISION

Address: 6200 S RIDGE RD

Box: 12283

City: WICHITA

State: KS

ZIP: 67277

Country: US

CAGE: 24108

===== Composition/Information on Ingredients =====

Ingredient

me:METHYLENE CHLORIDE (SARA III), (DICHLOROMETHANE)

CAS:75-09-2

RTECS #:PA8050000

Fraction by Wt: 100%

Other REC Limits:NONE SPECIFIED

OSHA PEL:500 PPM/C,1000; Z2

ACGIH TLV:50 PPM, A2; 9192

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

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

LD50 LC50 Mixture:ORAL LD50 (RAT) = 2136 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:ACUT

E: MAY CAUSE EYE AND SKIN

IRRITATION. MAY CAUSE SKIN CHEMICAL BURNS. INHALATION: MAY CAUSE RESPIRATORY TRACT IRRITATION, CNS DEPRESSION, LOSS OF CONSCIOUSNESS AND EVEN DEATH. INGESTION: SLIGHTLY TOXIC. CHRONIC: PROLONGED/REPEATED CONTACT WITH LIQUID ON THE SKIN CAN CAUSE IRRITATION AND DERMATITIS.

Explanation of Carcinogenicity:LISTED AS A SUSPECTED CARCINOGEN BY IARC (2B) AND NTP (AC).

Effects of Overexposure:EYES: IRRITATION. SKIN: SKIN IRRITATION, DEFATTING AND DE

RMATITIS. INHALATION: IRRITATION, DIZZINESS, NAUSEA, HEADACHE, VOMITING, NUMBNESS, TINGLING IN ARMS AND LEGS, AND RAPID HEARTBEAT. INGESTION: MAY CAUSE VOMITING. SINGLE DOSE TOXICITY IS LOW TO MODERATE.

Medical Cond Aggravated by Exposure:ALCOHOLISM, ACUTE AND CHRONIC LIVER AND KIDNEY DISEASE, CHRONIC LUNG DISEASE, ANEMIA, CORONARY DISEASE, OR RHYTHM DISORDERS OF THE HEART.

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

First Aid:EYES: FLUSH WITH LARGE AMOUNT OF WATER. IF IRRITATION

PERSISTS GET MEDICAL ATTENTION. SKIN: REMOVE CONTAMINATED CLOTHING. WASH AREA WITH SOAP AND WATER. INHALATION: REMOVE TO FRESH AIR. IF NOT BREATHING GIVE CPR. IF BREATHING DIFFICULT GIVE OXYGEN. GET MEDICAL ATTENTION. INGESTION: DO NOT INDUCE VOMITING. GET MEDICAL ATTENTION.

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

Flash Point Method:TCC

Flash Point:NONE

Extinguishing Media:WATER FOG, DRY CHEMICAL, FOAM, CARBON DI

OXIDE.

Fire Fighting Procedures:FIRE FIGHTERS SHOULD WEAR SELF-CONTAINED POSITIVE PRESSURE BREATHING APPARATUS DUE TO THERMAL DECOMPOSITION PRODUCTS. AVOID SKIN CONTACT.

Unusual Fire/Explosion Hazard:METHYLENE CHLORIDE VAPORS IN CONCENTRATIONS OF ABOUT 12-19% BY VOLUME CAN BE IGNITED BY HIGH INTENSITY IGNITION SOURCE.

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

Spill Release Procedures:VENTILATE AREA AND AVOID BREATHING VAPORS. DIKE AREA TO CONTAIN SPILL. CLEAN UP AREA (WEAR PROTECTIVE EQUIPMENT) BY MOPPING OR WITH ABSORBENT MATERIAL. PLACE IN CLOSED CONTAINERS.AVOID CONTAMINATION OF GROUND AND SURFACE WATERS.DO NOT FLUSH TO SEWER.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:STORE SEALED CONTAINERS IN A COOL, DRY, WELL-VENTILATED AREA OUT OF SUNLIGHT AND AWAY FROM HEAT. PREVENT WATER OR MOIST AIR FROM ENTERING CONTAINERS.

Other Precautions:IF SPILL OCCURS INDOORS, TURN OFF AIR CONDITIONING AND/OR HEATING SYSTEM, TO PREVENT VAPORS FROM CONTAMINATING ENTIRE BUILDING. METHYLENE CHLORIDE VAPORS ARE HEAVIER THAN AIR AND WILL COLLECT IN LOW AREAS. DO NOT CUT OR WELD ON EMPTY DRUMS

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

Respiratory Protection:IF VAPORS EXCEED 50 PPM METHYLENE CHLORIDE,AN APPROVED FULL FACE RESPIRATOR WITH ORGANIC VAPOR CANISTER IS ACCEPTABLE.

APPROVED SCBA OR AIR LINE RESPIRATOR WITH FULL FACEPIECE IS REQUIRED FOR CONCS ABOVE 1000 PPM AND FOR SPILLS OR EMERGENCY.

Ventilation:USE VENTILATION TO MAINTAIN METHYLENE CHLORIDE BELOW 50 PPM. VENTILATE LOW-LYING AREAS WHERE DENSE VAPORS MAY COLLECT.

Protective Gloves:VITON, POLYVINYL ALCOHOL OR EQUIVALENT.

Eye Protection:SAFETY GLASSES, GOGGLES OR FACE SHIELD

Other Protective Equipment:APRON AND WORK CLOTHING TO MINIMIZE EXPOSURE. HAVE EYE WASH STATION AND SAFETY SHOWER AVAILAB

LE.

Work Hygienic Practices:WASH AFTER HANDLING AND BEFORE EATING,
DRINKING, SMOKING OR USING RESTROOM. LAUNDER CONTAMINATED CLOTHING
BEFORE REUSE.

Supplemental Safety and Health

DO NOT USE IN CLOSED OR CONFINED SPACE. OPEN DOORS AND WINDOWS. CONTACT
LENSES SHOULD NOT BE WORN. AVOID CONTACT WITH SKIN AND AVOID
BREATHING VAPORS. TO DETERMINE EXPOSURE LEVELS, MONTERING SHOULD BE
PERFORMED REGULARLY. NOTE TO PHYSICIAN: ADRENALIN SHOULD NEVER BE
GIVEN TO PERSON OVEREXPOSED T
O METHYLENE CHLORIDE.

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

HCC:T4

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

Vapor Pres:350

Vapor Density:2.9

Spec Gravity:1.32

Evaporation Rate & Reference:0.7,ETHER = 1

Solubility in Water:1.32 GM/100 GM @25C

Appearance and Odor:CLEAR, COLORLESS LIQUID, MILDLY SWEET ODOR

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES

STRONG ALKALIES,OXYGEN,N

ITROGEN

PEROXIDE,SODIUM,POTASSIUM,OXIDIZERS,REACTIVE METALS.ALUMINUM PARTS
IN PRESS.FLUID SYSTEM

Stability Condition to Avoid:AVOID CONTACT WITH OPEN FLAME, ELECTRIC
ARCS, OR OTHER HOT SURFACES WHICH CAN CAUSE THERMAL DECOMPOSITION.

Hazardous Decomposition Products:WHEN INVOLVED IN FIRE, METHYLENE
CHLORIDE EMITS HIGHLY TOXIC AND IRRITATING HYDROGEN CHLORIDE,
PHOSGENE, AND CHLORINE.

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

Waste Disposal Methods:CO

CONTACT YOUR LOCAL ENVIRONMENTAL OFFICER.

DISPOSE OF WASTE IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS. RECOVERED LIQUIDS MAY BE SENT TO A LICENSED RECLAIMER OR INCINERATION FACILITY. DO NOT REUSE DRUM WITHOUT RECYCLING OR RECONDITIONING.

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