

VULCAN MATERIALS COMPANY,VULCAN CHEMICALS DIV -- METHYLENE
CHLORIDE,TECH.GRADE/DECAFFEINATIO -- 6810-01-315-5337

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

Product ID:METHYLENE CHLORIDE,TECH.GRADE/DECAFFEINATIO

MSDS Date:01/01/1990

FSC:6810

NIIN:01-315-5337

MSDS Number: BNRTL

=== Responsible Party ===

Company Name:VULCAN MATERIALS COMPANY,VULCAN CHEMICALS DIV

Address:NO 1 METROPLEX DR

Box:7689

City:BIRMIN

GHAM

State:AL

ZIP:35253

Country:US

Info Phone Num:205-877-3459

Emergency Phone Num:415-821-5338, 316-524-5751

CAGE:1B637

=== Contractor Identification ===

Company Name:VULCAN MATERIALS CO

Address:NO 1 METROPLEX DR

Box:530390

City:BIRMINGHAM

State:AL

ZIP:35253

Country:US

Phone:316-524-5751

CAGE:1B637

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

Ingred Name: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

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

LD50 LC50 Mixture:ORAL LD50 (RAT) IS 167 MG/KG
Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO
Health Hazards Acute and Chronic:EYES: LIQUID: TEMPORARY IRRITATION AND CORNEAL INJURY. VAPORS: IRRITATION. SKIN: PROLONGED CONTACT MAY CAUSE IRRITATION, DEFATTING, DERMATITIS. INHALATION: MAY CAUSE CNS DEPRESSION, DIZZINESS, NAUSEA, HEADACHE, NUMBNESS, RAPID HEARTBEAT. AT HIGH LEVELS,LOSS OF CONSCIOUSNESS, DEATH. INGESTION:SINGLE DOSE TOXICITY IS LOW.
Explanation of Carcinogenicity:METHYLENE CHLORIDE IS LISTED ON THE IARC AND NTP CARCINOGEN LISTS BUT NOT BY OSHA.
Effects of Overexposure:EYES: IRRITATION AND TEMPORARY CORNEAL INJURY. SKIN: IRRITATION, DERMATITIS. INHALATION: CNS DEPRESSION, DIZZINESS, NAUSEA, VOMITING, HEADACHE, NUMBNESS, TINGLING. AT HIGH LEVELS, LOSS OF CONSCIOUSNESS, DEATH.
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.

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

First Aid:EYES: FLUSH WITH LARGE AMOUNTS OF WATER. IF IRRITATION PERSISTS GET MEDICAL ATTENTION. SKIN: REMOVE CONTAMINATED CLOTHING. WASH AREA WITH LARGE AMOUNTS OF WATER. INHALATION: MOVE TO FRESH AIR. IF BREATHING STOPPED GIVE CPR. GET MEDICAL ATTENTION. INGESTION: DO NOT INDUCE VOMITING. GET MEDICAL ATTENTION.

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

Flash Point:NONE
Lower Limits:12.0
Upper Limits:19.0
Extinguishing Media:WATER FOG, DRY CHEMICAL, FOAM, CARBON DIOXIDE.
Fire Fighting Procedures:USE NIOSH APPROVED SCBA FOR FIREFIGHTING DUE TO THERMAL DECOMPOSITION PRODUCTS, AND AVOID SKIN CONTACT.
Unusual F

ire/Explosion Hazard:CONCENTRATED VAPORS CAN BE IGNITED BY
HIGH INTENSITY IGNITION SOURCE. MAY GIVE OFF HYDROGEN CHLORIDE,
PHOSGENE, AND CHLORINE AT HIGH TEMPERATURE.

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

Spill Release Procedures:EVACUATE THE AREA. VENTILATE AND AVOID
BREATHING VAPORS.DIKE AREA TO CONTAIN SPILL.CLEAN UP AREA BY
MOPPING OR WITH ABSORBENT MATERIAL AND PLACE IN CLOSED CONTAINERS
FOR DISPOSAL.AVOID CONTAMINATION O F GROUND AND SUR
FACE WATER. DO
NOT FLUSH TO SEWER.
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:STORE IN A COOL, DRY, WELL VENTILATED
AREA OUT OF SUNLIGHT. KEEP CONTAINERS SEALED. 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. AVOID CO
NTACT WITH SKIN AND EYES. DO NOT BREATH VAPOS. DO
NOT EAT, DRINK OR SMOKE IN WORK AREA.

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

Respiratory Protection:USE NIOSH/MSHA APPROVED FULL FACE RESPIRATOR
WITH ORGANIC VAPOR CANNISTER WHEN VAPOR CONC. EXCEED 50 PPM. WHEN
VAPORS ARE ABOVE 1000 PPM AND FOR SPILLS WEAR APPROVED SCBA OR AIR
LIN RESPIRATOR, WITH F ULL FACEPIECE.
Ventilation:PROVIDE MECHANICAL (GENERAL/LOCAL EXHAUST) VENTILATION TO
MAINTAIN EXP
OSURE LEVELS BELOW 50 PPM (TWA).
Protective Gloves:VITON, POLYVINYL ALCOHOL OR EQUIVALENT.
Eye Protection:SAFETY GLASSES. NO CONTACT LENSES.
Other Protective Equipment:FULL PROTECTIVE CLOTHING,SAFETY SHOWER,EYE
WASH STATION. CHEMICAL GOGGLES AND/OR FACE SHIELDS WHERE SPLASHING
POSSIBLE.
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. WEAR SOLVENT-RESISTANT BOOTS, APRON, HEADGEAR AND/OR FACESHIELD OR GOGGLES WHERE SPLASHING IS POSSIBLE. DO NOT WEAR CONTACT LENSES. VAPO RS ARE HEAVER THAN AIR AND WILL COLLECTIN LOW AREAS. DO NOT ENTER CONFINED SPACES WITHOUT FOLLOWING ENTRY PROCEDURES.

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

HCC:T4

Boiling Pt:B.P. Text:104F/40.1C

Vapor Pres:350

Vapor Density:2.9

Spec Gravity:1.32

pH:UNKNON

Evaporation Rat

e & 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, NITROGEN PEROXIDE, SODIUM, POTASSIUM, AND OTHER OXIDIZERS AND REACTIVE METALS.

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

Hazardous Decomposition Products:HYDROGEN CHLORIDE, PHOSGENE, CHLORINE.

Conditions to Avoid Polymerization:WILL NOT OCCUR.

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

Waste Disposal Methods:CONTACT YOUR LOCAL ENVIRONMENTAL OFFICER. DISPOSE OF WASTE IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

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