

VULCAN CHEMICALS, DIVISION OF VULCAN MATERIALS CO. -- SOLVENT 111(R),GEN PURPOSE GRADE,IND GRADE. -- 6810-00-476-5613

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

Product ID:SOLVENT 111(R),GEN PURPOSE GRADE,IND GRADE.

MSDS Date:08/01/1990

FSC:6810

NIIN:00-476-5613

MSDS Number: BDZTK

=== Responsible Party ===

Company Name:VULCAN CHEMICALS, DIVISION OF VULCAN MATERIALS CO.

Address:NO 1 METROPLEX DR

Box:53039

0

City:BIRMINGHAM

State:AL

ZIP:35253-0390

Country:US

Info Phone Num:205-877-3459

Emergency Phone Num:316-524-5751

CAGE:EO675

=== Contractor Identification ===

Company Name:VULCAN CHEMICALS

Box:530390

City:BIRMINGHAM

State:AL

ZIP:35253-0390

Country:US

Phone:316-524-5751

CAGE:EO675

Company Name:VULCAN MATERIALS CO

Address:NO 1 METROPLEX DR

Box:530390

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Phone:316-524-5751

CAGE:1B637

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

In

gred Name:METHYL CHLOROFORM (1,1,1-TRICHLOROETHANE) (SARA III)  
CAS:71-55-6  
RTECS #:KJ2975000  
Fraction by Wt: 96.5%  
Other REC Limits:NONE SPECIFIED BY M.  
OSHA PEL:350 PPM/450 STEL  
ACGIH TLV:350 PPM/450STEL;9192  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS  
Ozone Depleting Chemical:1

Ingred Name:1,4-DIOXANE (DIETHYLENE DIOXIDE) (SARA III)  
CAS:123-91-1  
RTECS #:JG8225000  
Fraction by Wt: 0.5%  
Other REC Limits:NONE SPECIFIED  
EPA Rpt Qty:1 LB  
DOT Rpt Qty:1 LB

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===== Hazards Identification  
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Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO  
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO  
Health Hazards Acute and Chronic:ACUTE-EYE:IRRITATION WITH POSSIBLE  
CORNEAL INJURY. SKIN:IRRITATION,DEFATTING.  
INHALATION:DIZZINESS,DROWSINESS,THROAT IRRITATION(ABOVE 1,000PPM);  
UNCONSCIOUSNESS,CNS DEPRESSION,CARDIAC SENSITIZATION(AB OVE  
10,000PPM). CHRONIC:DERMATITIS, LIVER AND HEART DISORDERS.  
Explanation of Carcinogenicity:1,4 DIETHYLENE DIOX  
IDE IS LISTED BY NTP  
AND IARC AS A POSSIBLE CARCINOGEN.  
Effects of Overexposure:EYE:IRRITATION, REDNESS AND PAIN.  
INHALATION:DIZZINESS, DROWSINESS, NAUSEA, VOMITING, UNCONSCIOUSNESS  
& EVEN DEATH IN EXTREME CASES.  
Medical Cond Aggravated by Exposure:PRE-EXISTING CONDITIONS EFFECTING  
LIVER AND HEART.

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

First Aid:INHALATION:REMOVE TO FRESH AIR, PROVIDE CPR/OXYGEN IF NEEDED.  
EYE CONTACT:FLUSH WITH WATER FOR 15 M

INUTES. SKIN CONTACT:WASH WITH SOAP AND WATER. GET MED ATTENTION IF SYMPTOMS PERSIST. INGESTION:DO NOT INDUCE VOMITING, GET MEDICAL HELP IMMEDIATELY.

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

Flash Point Method:TCC  
Flash Point:NONE  
Lower Limits:7.5  
Upper Limits:15.0  
Extinguishing Media:WATER,FOAM,DRY CHEMICAL,CARBON DIOXIDE (CO\*2)  
Fire Fighting Procedures:FIRE FIGHTERS SHOULD WEAR PROTECTIVE CLOTHING AND SELF-CONTAINED BREATHING APPARATUS.  
Unusual Fire/E  
xplosion Hazard:VAPORS CAN BE IGNITED BY HIGH INTENSITY IGNITION SOURCES. DECOMPOSES IN FIRE OR ON CONTACT WITH HOT SURFACES TO TOXIC GASES.

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

Spill Release Procedures:EVACUATE THE AREA,VENTILATE & AVOID BREATHG VAP.USE APPROPRIATE PROTECTIVE GEARS. DIKE AREA TO CONTAIN SPILL. VACUUM UP OR ABSORB WITH INERT MATL & PLACE IN CLOSED CONTAINERS FOR DISPOSAL. AVOID CONTA MINATING GROUND WATER. DO NOT FLUSH TO SEWER.

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

Handling and Storage Precautions:STORE IN COOL,DRY,WELL VENTILATED,LOW FIRE RISK AREA. PROTECT FROM PHYSICAL DAMAGE.KEEP CONTAINERS CLOSED. MAINTAIN STRICT HYGIENE FOR CHEM HANDLING.  
Other Precautions:AVOID CONTCT W/SKIN & AVOID BREATHG VAP.DO NOT WORK AROUND SPILLED AREA.DO NOT EAT/DRINK IN WORK AREA;NOTE TO DR;ADRENLIN SHOULD NEVER BE GIVEN TO PERSONS OVEREXPOSED TO 1,1,1-TRICHLOROETHANE.

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

Respiratory Protection:USE NIOSH APPROVED ORGANIC VAPOR RESPIRATOR IF ABOVE PEL/TVL OR USE SCBA IN AN ENCLOSED AREA.  
Ventilation:LOCAL EXHAUST/GENERAL TO MAINTAIN PEL/TLV.  
Protective Gloves:NEOPRENE/VITON  
Eye Protection:CHEM.SAFETY GOGGLES  
Other Protective Equipment:SAFETY SHOWER & EYEWASH STATION SHOULD BE AVAILABLE.  
Work Hygienic Practices:AVOID CONTACT WITH SKIN AND EYES;DO NOT BREATHE VAPORS/MIST;DO NOT EAT,SMOKE OR DRI

NK IN WORK AREA.

Supplemental Safety and Health

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

HCC:T4

Boiling Pt:B.P. Text:165F/74C

Vapor Pres:100 MMHG

Vapor Density:4.6

Spec Gravity:1.32

Evaporation Rate & Reference:0.4 (ETHER =1)

Solubility in Water:NEGLIGIBLE

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,OXIDIZERS & REACTIVE MATERIALS.

Stability Condition to Avoid:CONTACT WITH OPEN FLAME,HOT SURFACES.

Hazardous Decomposition Products:HYDROGEN CHLORIDE, & PHOSGENE.

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

Waste Disposal Methods:RECOVERED LIQUIDS MAY BE SENT TO LICENSED RECLAIMER OR INCINERATION FACILITY. CONTAMINATED MATERIAL MUST BE DISPOSED OF IN A PERMITTED WASTE MANAGEMENT FACILITY. CONSULT FEDERAL,STATE OR LOCAL DISPOSAL AUTHORITIES FOR APPROVED PROCEDURES.

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