

VULCAN CHEMICALS; DIVISION OF VULCAN MATERIALS CO -- SOLVENT III (R) -- 6810-00-551-1487

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Product Identification
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Product ID:SOLVENT III (R)

MSDS Date:06/01/1992

FSC:6810

NIIN:00-551-1487

MSDS Number: BQSFK

=== Responsible Party ===

Company Name:VULCAN CHEMICALS; DIVISION OF VULCAN MATERIALS CO

Box:530390

City:BIRMINGHAM

State:AL

ZIP:35253-0390

Country:US

Info Phone Num:800-873-4898

Eme

Agency Phone Num:316-524-5751/415-821-5338

CAGE:EO675

=== Contractor Identification ===

Company Name:VULCAN CHEMICALS

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State:AL

ZIP:35253-0390

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Phone:316-524-5751

CAGE:EO675

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Address:NO 1 METROPLEX DR

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Phone:316-524-5751

CAGE:1B637

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Composition/Information on Ingredients
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Ingred Name:1,1,1-TRICHLOROETHANE (SARA III)

CAS:71-55-6

RTECS #:KJ29750

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Fraction by Wt: 96.5%

Other REC Limits:NONE SPECIFIED

OSHA PEL:350 PPM/STEL 450 PPM

ACGIH TLV:350 PPM/STEL 450 PPM

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

Ozone Depleting Chemical:1

Ingred Name:1,4 DIETHYLENE DIOXIDE (SARA III)

CAS:123-91-1

RTECS #:JG8225000

Fraction by Wt: 10,000 PPM. BLOOD PRESSR

DEPRESSN, CARDIAC SENSITIZATN, & VENTRICULAR ARRHYTHMIA. EYES:

SLIGHT TEMP IRRIT W/ SLIGHT TEMP CORNEAL INJURY. IRRITATION.

INGESTION:TOXICITY IS LOW. IF VOMITING OCCURS, ASPIRATN

TO LUNGS

CAN CAUSE CHEM PNEUMONIA.

Explanation of Carcinogenicity:AVAILABLE DATA INDICATED THAT 1,1,1

TRICHLOROETHANE & THIS MIXTURE ARE NOT CARCINOGENIC IN LABORATORY ANIMALS.

Effects of Overexposure:CHRONIC; SKIN: PROLONGED OR REPEATED SKIN

CONTACT CAN CAUSE IRRITATION, DEFATTING OF SKIN AND DERMATITIS.

ABOSRPTION THROUGH INTACT SKIN IS POSSIBLE IF CONTACT WITH LIQUID

IS PROLONGED. 1,4 DIETHYLENE DIOXIDE AS A PURE SUBSTANCES IS

READILY ABSORBED THROUGH INTACT SKIN.

Medical Cond Aggravated by Exposure:ACUTE AND CHRONIC LIVER DISEASE AND

RHYTHM DISORDERS OF THE HEART.

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

First Aid:INHAL: REMOVE TO FRESH AIR. IF BREATHING STOPPED, GIVE ARTIF RESPIRATN. CALL DR. SKIN: REMOVE CONTAM CLOTHES & SHOES. WASH W/SOAP & WATER. WASH CONTAM CLOTHES BEFORE REUSE. EYES: FLUSH EYES IMMED W/WA TER 15 MIN. IF IRRITATION PERSISTS, CALL DR. INGEST: DONT INDUCE VOMITING. CONTACT DR OR EMERG MED FACILITY IMMED. NOTE TO DR: NEVER GIVE ADRENALIN TO PERSONS OVEREXPOSED TO 1,1,1 TRICHLOROETHANE.

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===== 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 (CO2)

Fire Fighting Procedures:FIREFIGHTERS SHOULD WEAR SELF-CONTAINED

POSITIVE PRESSURE BREATHING APPARATUS, DUE TO THERMAL DECOMPOSITION PRODUCTS, AND AVOID SKIN CONTACT.

Unusual Fire/Explosion Hazard:CONCENTRATED VAPORS CAN BE IGNITED BY HIGH INTENSITY IGNITION SOURCE.

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

Spill Release Procedures:EVAC,VENT,AVOID BREATHING.DIKE.INDOOR SPILL, TURN OFF AIR CONDITN/HEAT SYS(STOP CONTAM OF ENTIRE BLDG).MOP/USE ABSORBNT. WEAR PROTECT EQUIP.PLACE USED ABSORB IN CNTNRS.DONT CONTAM GROUND/SURFACE WATER S/SEWER.RQ=1000 LB.NOTIFY NAT'L RSPNS 800-424-8802

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

Handling and Storage Precautions:FOLLOW CONTROL MEASURES.STORE LABELD/SEALD CNTNR IN COOL,DRY,VENTD AREA.PREVENT WATER/MOIST AIR FROM STORAGE TANK/ CNTNR.CONSULT EQUIP SUPPLR FOR INFO
Other Precautions:DONT CUT/WELD ON EMPTY/FULL DRUM.DONT STORE/TRANSFR W/ ALUMINUM EQUIP.VAPOR HEAVIER THAN AIR,COLLECTS IN LOW AREA.DONT ENTER CONFIND SPACE W/OUT FOLLOWING ENTRY PROCEDURES(ASTM-D-4276).CONTACT W/AL PR TS IN PRESSR FLUID SYSTEM-VIOLENT RE ACTN

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

Respiratory Protection:ABOVE 350 PPM, NIOSH MSHA ORGANIC VAPOR TYPE RESPIRATOR ACCEPTABLE. NIOSH/MSHA SCBA/AIR LINE RESPIRATOR, W/FULL FACE PIECE, REQUIRED FOR VAPOR CONCENTRATIONS ABOVE 1,000 PPM & FOR SPILLS/ EMERGENCIES. FOLLOW RSPRTR USE STANDARDS/REGULATIONS
Ventilation:DO NOT USE IN CLOSED OR CONFINED SPACE. OPEN DOOR/WINDOWS. USE VENTILATION TO MAINTAIN EXPOSURE LEVELS BELOW 350 PPM.
Protective Gloves:VITON, POLYVINYL ALCOHOL, OR EQUIVALENT.
Eye Protection:SAFETY GLASSES, CHEM GOGGLES, FACE SHLDS
Other Protective Equipment:WEAR SOLVENT RESISTANT BOOTS, APRON, HEADGEAR AND/OR FACESHIELD, WHERE SPLASHING IS POSSIBLE.
Work Hygienic Practices:AVOID SKIN CONTACT/BREATHING VAPOR. DONT EAT, DRINK,SMOKE IN WRK AREA. WASH HANDS BEFORE EATING,DRINKING,USING RESTROOM.
Supplemental Safety and Health CONTACTS SHOULD NOT BE WORN.

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

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HCC:T4

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

Vapor Pres:100

Vapor Density:4.6

Spec Gravity:1.32 @ 25C

Evaporation Rate & Reference:0.4 (ETHER=1)

Solubility in Water:0.07 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, OXIDIZERS, & REACTIVE METALS (ALUMINUM, POTASSIUM, SODIUM, ETC). SEE HANDLING/S

TORAGE FOR MORE INFO.

Stability Condition to Avoid:AVOID CONTACT WITH OPEN FLAME, ELECTRIC

ARCS, OR OTHER HOT SURFACES WHICH CAN CAUSE THERMAL DECOMPOSITION.

Hazardous Decomposition Products:HYDROGEN CHLORIDE, PHOSGENE, CHLORINE.

Conditions to Avoid Polymerization:AVOID CONTACT WITH OPEN FLAME,

ELECTRIC ARCS, OR OTHER HOT SURFACES WHICH CAN CAUSE THERMAL DECOMPOSITION.

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

Waste Disposal Methods:SEND RECOVERD LIQ TO LIC

ENSD RECLAIMR/INCINERATN

FACILITY. DISPOSE OF CONTAM MAT'L IN PERMITTED WASTE MANAGEMENT FACILITY. CONSULT FED, STATE, LOCAL DISPOSAL AUTHORITIES FOR PROCEDURES. RECYCLE, RECOND ITION DRUMS (W/FED,STATE,LOCAL LAWS) BEFORE REUSE.

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