

VULCAN MATERIALS CO -- SOLVENT 111,GENERAL PURPOSE GRADE,INDUSTRIA --
6810-00-292-9625

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Product Identification
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Product ID:SOLVENT 111,GENERAL PURPOSE GRADE,INDUSTRIA

MSDS Date:03/01/1986

FSC:6810

NIIN:00-292-9625

MSDS Number: BLJTY

=== Responsible Party ===

Company Name:VULCAN MATERIALS CO

Address:NO 1 METROPLEX DR

Box:7689

City:BIRMINGHAM

State:AL

ZIP:35253

Country:US

Info Phone Num:2

05-877-3459

Emergency Phone Num:415-821-5338

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

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Composition/Information on Ingredients
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Ingred Name:1,4-DIOXANE (DIETHYLENE DIOXIDE) (SARA III)

CAS:123-91-1

RTECS #:JG8225000

Other REC Limits:NONE SPECIFIED

OSHA PEL:S, 100 PPM

ACGIH TLV:S, 25 PPM; 9293

EPA Rpt Qty:100 LBS

DOT Rpt

Qty:100 LBS

Ingred Name:METHYL CHLOROFORM (1,1,1-TRICHLOROETHANE) (SARA III)

CAS:71-55-6

RTECS #:KJ2975000

Fraction by Wt: 95.5%

Other REC Limits:NONE SPECIFIED

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

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and

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Chronic:ACUTE-EYE:IRRITATION.SKIN:PROLONGED/REPEATED CONTACT CAN CAUSE IRRITATION,DEFATTING,DERMATITIS.INHALATION:AT LEVELS ABOVE 1000 PPM,DIZZINESS,DROWSINESS & THROAT IRRITATION.UNCONSCIOUSNESS & DEATH POSSIBLE AT LEVELS ABOVE 10000 PPM.INGESTION:LOW TO MODERATE TOXICITY.ASPIRATION HAZARD.CHRONIC-LIVER TOXICITY (ANIMALS).

Effects of Overexposure:EYE IRRITATION. PROLONGED OR REPEATED CONTACT CAN CAUSE IRRITATION, DEFATTING, DERMATITIS. INHALATION AT LEVELS ABOVE 1000 PPM

CAN CAUSE DIZZINESS, DROWSINESS & THROAT IRRITATION.

UNCONSCIOUSNESS & DEATH POSSIBLE AT LEVELS ABOVE 10000 PPM.A SINGLE DOSE TOXICITY IS LOW TO MODERATE BUT THERE IS ASPIRATION HAZARD.

Medical Cond Aggravated by Exposure:PRE-EXISTING SKIN DISORDERS.

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

First Aid:GET MEDICAL ATTENTION-INHALATION:REMOVE TO FRESH AIR.GIVE CPR IF NEEDED.EYE:FLUSH IMMEDIATELY WITH LARGE AMOUNTS OF WATER FOR 15 MINUTES.SKIN:WASH

WITH SOAP AND WATER.A SOOTHING OINTMENT MAY BE APPLIED.INGESTION:DO NOT INDUCE VOMITING.CALLA PHYSICIAN IMMEDIATELY.NOTE TO PHYSICIAN:ADRENALINE SHOULD NEVER BE GIVEN 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:USE WATER SPRAY, CARBON DIOXIDE, OR DRY CHEMICAL.

Fire Fighting Procedures:FIRE FIGHTERS SHOULD USE

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RESSURE-DEMAND,SELF-CONTAINED RESPIRATORY PROTECTION. USE WATER SPRAY TO COOL NEARBY CONTAINERS EXPOSED TO FIRE.

Unusual Fire/Explosion Hazard:CONCENTRATED VAPORS CAN BE IGNITED BY HIGH INTENSITY IGNITION SOURCE.HYDROCHLORIC ACID GAS AND OTHER TOXIC AND IRRITATING GASES SUCH AS PHOSGENE MAY BE PRODUCED

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

Spill Release Procedures:SMALL SPILL: WIPE UP WITH ABSORBING MATERIAL.LARGE SPILLS:REMOVE USING VACUUM TRUCK.WASH THE SPILL AREA

WITH WATER.ALL WASH WATER SHOULD BE PLACED IN A CONTAINER FOR DISPOSAL.IF SPILL OCCURS INDOORS,TURN OFF AIR CONDITIONING AND/OR HEATING SYSTEM.

Neutralizing Agent:NONE

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

Handling and Storage Precautions:STORAGE-STORE IN A COOL,DRY,WELL-VENTILATED LOCATION AWAY FROM FLAMES,ALKALIES,OXIDIZERS.

Other Precautions:VAPORS ARE HEAVIER THAN AIR AND WILL COLLECT IN LOW AREAS. ALUMINUM EQUIPMENT SHOULD NOT BE USED FOR STORAGE AND/OR

TRANSFER. PREVENT WATER OR MOIST AIR FROM ENTERING STORAGE TANKS/CONTAINERS. AVOID CONTACT WITH EYES AND SKIN.

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

Respiratory Protection:WHERE VAPOR CONCENTRATION EXCEEDS OR IS LIKELY TO EXCEED 350 PPM, AN APPROVED ORGANIC VAPOR TYPE RESPIRATOR IS ACCEPTABLE. USE NIOSH/MSHA APPROVED SELF-CONTAINED BREATHING APPARATUS OR AIR LINE RESPIRATOR, WITH FULL FACE PIECE, WHEN >

1000.

Ventilation:LOCAL EXHAUST RECOMMENDED WHEREVER MIST,SPRAY OR VAPOR MAY BE GENERATED.

Protective Gloves:SOLVENT RESISTANT GLOVES (PVA)

Eye Protection:USE CHEMICAL SAFETY GOGGLES/FACE SHIELD

Other Protective Equipment:APRON AND WORK CLOTHING TO MINIMIZE EXPOSURE. EYE WASH STATION & SAFETY SHOWER RECOMMENDED. DO NOT WEAR CONTACT LENSES.

Work Hygienic Practices:WASH THOROUGHLY AFTER USE AND BEFORE EATING, SMOKING OR USING TOILET FACILITIES. DO NOT BREATHE VAPORS OR MIST.

Supple

mental Safety and Health

DO NOT CUT OR WELD ON EMPTY OR FULL DRUMS. CONTACT WITH ALUMINUM PARTS IN A PRESSURIZABLE FLUID SYSTEM MAY CAUSE VIOLENT REACTIONS. DO NOT REMOVE OR DEFACE LABEL. DO NOT REUSE DRUM WITHOUT RECYCLING OR RECONDITIONING IN ACCORDANCE WITH ANY APPLICABLE FEDERAL, STATE OR LOCAL LAWS.

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

HCC:T4

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

Vapor Pres:100

Vapor Density:4.6

Spec Gravity:1.32

Evaporation Rate &

mp; Reference:0.4 (ETHER=1)

Solubility in Water:0.07 %

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 SUCH AS NAOH, OXIDIZERS AND REACTIVE METALS

Stability Condition to Avoid:HIGH TEMPERATURES, OPEN FLAMES, WELDING ARCS.

Hazardous Decomposition Products:WHEN INVOLVED IN FIRE,

1,1,1-TRICHLOROETHANE EMITS HIGHLY TOXI

C AND IRRITATING HYDROGEN

CHLORIDE, CL₂ AND PHOSGENE FUMES

===== 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 LOCAL, STATE OR FEDERAL DISPOSAL AUTHORITIES FOR APPROVED PROCEDURES.

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