

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

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

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:205-877-3459

Emergency Phone Num:415-821-5338

CAGE:1B637

=== Contr

actor 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: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

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and
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 POSS IBLE 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.
UNCONSCI
OUSNESS & DE ATH 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.

===== 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
APPLIE D.INGES
TION:DO NOT INDUCE VOMITING.CALLA PHYSICIAN
IMMEDIATELY.NOTE TO PHYSICIAN:ADRENALINE SHOULD NEVER BE GIVEN TO
PERSONS OVEREXPOSED TO 1,1,1-TRICHLOROETHANE.

===== 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
PRESSURE-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,T URN OFF AIR CONDITIONING AND/OR
HEATINGSYSTEM.

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 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 CONT ACT 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 RESPIR ATOR, WITH FULL FACE PIECE, WHEN >
1000.

Ventilation:LOCAL EXHAUST RECOMMENDED WHEREVER MIST,SPRAY O
R 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.

Supplemental Safety and Health

DO NOT CUT OR WELD ON EMPTY OR FULL DRUM

S. 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 & 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 TOXIC AND IRRITATING HYDROGEN CHLORIDE, CL₂ AND PHOSGENE FUMES

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===== 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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