

VULCAN CHEMICAL DIV OF VULCAN MATERIALS CO -- TRICHLOROETHYLENE METAL
DEGREASING GRADE -- 6810-00-754-2813

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

Product ID:TRICHLOROETHYLENE METAL DEGREASING GRADE

MSDS Date:10/01/1993

FSC:6810

NIIN:00-754-2813

MSDS Number: BXZGS

=== Responsible Party ===

Company Name:VULCAN CHEMICAL DIV OF VULCAN MATERIALS CO

Address:NO 1 METROPLEX DR

Box:530390

City:BIRMINGHAM

Stat

e:AL

ZIP:35253-0390

Country:US

Info Phone Num:800-873-4898

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

CAGE:LO905

=== Contractor Identification ===

Company Name:CHEMICAL SPECIALISTS AND DEVELOPMENT INC

Address:2210 HACKBERRY LN

Box:687

City:CONROE

State:TX

ZIP:77305

Country:US

Phone:409-756-1065

CAGE:4N760

Company Name:SOUTHWEST SOLVENTS AND CHEMICALS

Address:11235 F M 529

Box:City:HOUSTON

State:TX

ZIP:77041

Country:US

CAGE:0Y1R9

Company Name:VULCAN CHEMICAL DIV OF VULCAN MATERIALS CO

Address:

NO 1 METROPLEX DR
Box:530390
City:BIRMINGHAM
State:AL
ZIP:35253-0390
Country:US
Phone:800-873-4898
CAGE:LO905
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
Company Name:VULCAN MATERIALS CO METALS DIVISION
Address:1 METROPLEX DR
Box:7588
City:BIRMINGHAM
State:AL
ZIP:35223
Country:US
Phone:316-524-5751
CAGE:1B635

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

Ingred Name:TRIC
HLOOROETHYLENE (SARA 313) (CERCLA)
CAS:79-01-6
RTECS #:KX4550000
Fraction by Wt: 100%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:100 PPM; Z-2
ACGIH TLV:50 PPM/100STEL,A5;95
EPA Rpt Qty:100 LBS
DOT Rpt Qty:100 LBS

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

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE:INHALATION MAY CAUSE CNS
DEPRESSION.SKIN & EYE CONTACT MAY CAUSE I

IRRITATION;SKIN

DERMATITIS,DEFATTING OF SKIN.SKIN ABSORPTION MAY CAUSE SYSTEMIC POISONING.INGESTION MAY CAUSE ASPIRATION,WHICH MAY CAUSE CHEMICAL PNEUMONIA/SYSTEMIC EFFECTS.CHRONIC:PROLONGED EXPOSURE MAY CAUSE LIVER/KIDNEY/LYMPHATIC EFFECTS.

Explanation of Carcinogenicity:WHILE IARC, NTP & OSHA HAVE NOT LISTED TRICHLOROETHYLENE AS A CARCINOGEN; CALIFORNIA HAS UNDER CAL PROP 65.

Effects of Overexposure:INHALED-HEADACHE, NAUSEA, VOMITING, DIZZINESS, DROWSINESS, LOSS OF COORDINATION. SKIN-REDNESS, ITCHING/DISCOMFORT, DRY SKIN. EYES-PAIN, INJURY TO EYE. INGESTED-NONE SPECIFIED BY MANUFACTURER.

Medical Cond Aggravated by Exposure:ALCOHOLISM, ACUTE & CHRONIC KIDNEY OR LIVER DISEASE, RHYTHM DISORDERS OF THE HEART, NEURITIS AND OTHER DISORDERS OF THE NERVOUS SYSTEM.

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

First Aid:EYES-FLUSH WITH WATER FOR 15 MINUTES. GET MEDICAL ATTENTION IF IRRITATION PERSIST. SKIN-REMOVE CONTAMINATED CLOTHES. WASH WITH MILD SOAP & WATER. INHALED-REMOVE TO FRESH AIR. IF BREATHING STOPPED, ADMINISTER ARTIFICIAL RESPIRATION. INGESTED-DO NOT INDUCE VOMITING! CONTACT POISON CONTROL CENTER OR PHYSICIAN. OBTAIN IMMEDIATE MEDICAL ATTENTION.

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

Flash Point Method:TCC

Flash Point:NONE

Extinguishing Media:CARBON DIOXIDE, DRY CHEMICAL, FOAM.

Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS AND

FULL PROTECTIVE GEAR.

Unusual Fire/Explosion Hazard:CONCENTRATED VAPORS CAN BE IGNITED BY HIGH INTENSITY ENERGY SOURCE. VAPORS ARE HEAVIER THAN AIR AND MAY COLLECT IN LOW AREAS.

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

Spill Release Procedures:EVACUATE AND VENTILATE AREA. DIKE TO CONTAIN SPILL. MOP OR SOAK UP WITH ABSORBENT MATERIAL AND PLACE IN A CONTAINER FOR DISPOSAL. AVOID CONTAMINATION OF SURFACE & GROUND WATERS. NOTIFY NATIONAL RESPONSE

ENTER AT 800-424-8802 IF RELEASE

ENTERS WATERS

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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Handling and Storage
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Handling and Storage Precautions:STORE IN LABELED, SEALED CONTAINERS IN A COOL, DRY, WELL-VENTILATED PLACE. KEEP MOISTURE & WATER OUT OF CONTAINERS.

Other Precautions:DO NOT CUT OR WELD ON EMPTY OR FULL DRUMS. DO NOT USE ALUMINUM FOR ANY CONTAINERS OR HANDLING EQUIPMENT. DO NOT ENTER CONFINED SPACES WITHOUT FOLLOWING PROPER ENTRY PROCEDURES AS REQUIRED BY 29 CFR 19 10.166.

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Exposure Controls/Personal Protection
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Respiratory Protection:IF ENGINEERING CONTROLS FAIL OR NON-ROUTINE USE OR AN EMERGENCY OCCURS; WEAR AN MSHA/NIOSH APPROVED RESPIRATOR OR AN AIR-SUPPLIED RESPIRATOR OR SCBA, AS REQUIRED. USE IN ACCORDANCE WITH 29 CFR 1910.134 AND MANUFACTURER'S RECOMMENDATIONS.

Ventilation:DO NOT USE IN CONFINED SPACES. USE ADEQUATE MECHANICAL VENTILATION OR LOCAL

EXHAUST TO MAINTAIN EXPOSURE BELOW TLV(S).

Protective Gloves:VITON, PVA, OR EQUIVALENT.

Eye Protection:SAFETY GLASSES. DO NOT WEAR CONTACTS.

Other Protective Equipment:EYE WASH STATION & SAFETY SHOWER. PERFORM MONITORING OF WORK AREAS REGULARLY TO DETERMINE PROTECTIVE MEASURES REQUIRED.

Work Hygienic Practices:WASH HANDS AFTER HANDLING AND BEFORE EATING, DRINKING, OR SMOKING. LAUNDRY CONTAMINATED CLOTHES BEFORE REUSE.

Supplemental Safety and Health

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Physical/Chemical Properties
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HCC:T4

Boiling Pt:B.P. Text:188F,87C

Vapor Pressure:58

Vapor Density:4.5

Spec Gravity:1.45

Evaporation Rate & Reference:0.3 (ETHER=1)

Solubility in Water:NEGLIGIBLE

Appearance and Odor:COLORLESS, CLEAR LIQUID; MILDLY SWEET ODOR.

Percent Volatiles by Volume:100

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Stability and Reactivity Data
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Stability Indicator/Materials to Avoid:YES

STRONG ALKALIS, STRONG OXIDIZING AGENTS, LITHIUM, MAGNESIUM, TITANIUM, ALUMINUM, LI

QUID OXYGEN.

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

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

Hazardous Decomposition Products:HYDROGEN CHLORIDE, PHOSGENE, CHLORINE.

Conditions to Avoid Polymerization:WILL NOT OCCUR.

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

Waste Disposal Methods:RECOVERED LIQUIDS MAY BE SENT TO A LICENSED
RECLAIMER OR INCINERATION FACILITY. CONTAMINATED MATERIAL MUST BE
DISPOSED OF

IN A PERMITTED WASTE MANAGEMENT FACILITY. RQ=100 LBS.

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