

VULCAN MATERIALS CO -- TRICHLOROETHYLENE, METAL DEGREASING GRADE --
6810-00-184-4800

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

Product ID:TRICHLOROETHYLENE, METAL DEGREASING GRADE

MSDS Date:12/01/1992

FSC:6810

NIIN:00-184-4800

MSDS Number: BWGJG

=== 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:800-8

73-4898/316-524-5751

Emergency Phone Num:800-873-4898/316-524-5751

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 =====

Ingred Name:TRICHLOROETHYLENE (SARA III)

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/100ST

EL,A5;94
EPA Rpt Qty:100 LBS
DOT Rpt Qty:100 LBS

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

LD50 LC50 Mixture:TLV: 50 PPM (8HR) TWA, 200 PPM STEL
Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:INHALATION-MAJOR POTENTIAL ROUTE OF EXPOSURE. DEPRESSES THE CENTRAL NERVOUS SYSTEM. EXPOSURE ABOVE 1000 PPM CAN CAUSE ADVERSE EFFECTS ON VISUAL PERCEPTION & MOTOR SKILLS. VE
NTRICULAR ARRHYTHMIAS & VER Y RAPID RESPIRATION HAVE BEEN OBSERVED IN INDIVIDUALS EXPOSED TO 15,000 PPM. CAN CAUSE UNCONSCIOUSNESS AND DEATH.
Explanation of Carcinogenicity:NOT CARCINOGENIC.
Effects of Overexposure:INHALATION-SYMPTOMS OF EXPOSURE ABOVE 100 PPM INCLUDE HEADACHE, NAUSEA, VOMITING, DIZZINESS, VERTIGO, FATIGUE, LIGHTHEADEDNESS AND COUGHING. SKIN-CAN CAUSE IRRITATION, DEFATTING OF SKIN & DERMATITIS. EYES-CAN CAUSE PAIN & SLIGHT TEMPORARY INJURY TO EYES. INGESTION-CAN CAUSE CHEMICAL PNEUMONIA & SYSTEMIC EFFECTS.
Medical Cond Aggravated by Exposure:ALCOHOLISM, ACUTE AND CHRONIC KIDNEY OR LIVER DISEASE, RHYTHM DISORDERS OF THE HEART AND NEURITIS AND OTHER DISORDERS OF THE NERVOUS SYSTEM.

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

First Aid:INHALATION-REMOVE TO FRESH AIR. IF BREATHING HAS STOPPED, GIVE ARTIFICIAL RESPIRATION. CALL PHYSICIAN. SKIN-REMOVE CONTAMINATED CLOTHING/SHOES. WASH AREA THOROUGHLY WITH SOAP & WATER FOR 15 MIN. EYE-F LUSH IMMEDIATELY WITH WATER FOR AT LEAST 15 MIN. IF IRRITATION PERSISTS, CALL A PHYSICIAN. INGESTION-DO NOT INDUCE VOMITING. CONTACT PHYSICIAN OR EMERGENCY MEDICAL FACILITY IMMEDIATELY.

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

Flash Point Method:TOC
Flash Point:NONE
Lower Limits:8
Upper Limits:10.5
Extinguishing Media:FOAM, DRY CHEMICAL, CARBON DIOXIDE.
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 ENERGY SOURCE.

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

Spill Release Procedures:EVACUATE THE AREA, VENTILATE, AND AVOID BREATHING VAPORS. DIKE ARE TO CONTAIN SPILL. IF SPILL OCCURS INDOORS, TURN OFF HEATING/AIR CONDITIONING SYSTEMS. CLEAN UP AREA (WEAR PROTECTIV

E EQUIPMENT) BY MO PPING OR WITH ABSORBENT MATERIAL & PLACE IN CAN.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:STORE IN LABELED, SEALED CONTAINER IN A COOL, DRY, WELL-VENTILATED AREA. PREVENT WATER OR MOIST AIR FROM ENTERING STORGAE TANKS OR CONTAINERS.

Other Precautions:DO NOT CUT OR WELD ON EMPTY OR FULL DRUMS. ALUMINUM EQUIPMENT SHOULD NOT BE USED FOR STORGAE AND/OR T RANSFER. CONTACT

WITH ALUMINUM PARTS IN A PRESSURIZED FLUID SYSTEM MAY CAUSE VIOLENT REACTION.

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

Respiratory Protection:WHERE VAPOR CONCENTRATION EXCEED OR IS LIKELY TO EXCEED 50 PPM, ANIOSH APPROVED ORGANIC VAPOR TYPE RESPIRATOR IS ACCEPTABLE. ANIOSH/MSHA APPROVED SELF-CONTAINED BREATHING APPARATUS OR AIR LINE RESPIRA TOR, WITH FULL FACE PIECE.

Ventilation:DO NOT USE CLOSED OR CONFINED SPACE. OPEN DOORS AND/OR

WINDOWS. USE VENTILATION TO MAINTAIN EXPOSURE LEVELS BELOW 50 PPM

Protective Gloves:VITON, POLYVINYL ALCOHOL OR EQUIVALENT

Eye Protection:WEAR SAFETY GLASSES/CHEMICAL GOGGLES.

Other Protective Equipment:SOLVENT RESISTANT BOOTS, APRON, HEADGEAR AND/OR FACE SHIELD SHOULD BE WORN WHERE SPLASHING IS POSSIBLE.

Work Hygienic Practices:AVOID CONTACT WITH SKIN & AVOID BREATHING VAPORS. DO NOT EAT, DRINK OR SMOKE IN WORK AREA. WASH HANDS AFTER USING.

Supplemental Safety and Health

NOTE

: PROTECTIVE EQUIPMENT AND CLOTHING SHOULD BE SELECTED, USED AND MAINTAINED ACCORDING TO APPLICABLE STANDARDS AND REGULATIONS. FOR FURTHER INFORMATION, CONTACT THE CLOTHING OR EQUIPMENT MANUFACTURER OR THE VULCAN CHEMICAL TECHNICAL SERVICE DEPARTMENT.

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

HCC:T4

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

Vapor Pres:58 MMHG

Vapor Density:4.5 AIR=1

Spec Gravity:1.45

Evaporation Rate & Reference:0.3 ETHER=1

Solubility in Water:0.1

GM/100 GM

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

Percent Volatiles by Volume:100

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

STRONG ALKALIES, OXIDIZERS, BARIUM, LITHIUM, MAGNESIUM & TITANIUM.

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.

Co

nditions to Avoid Polymerization:WILL NOT OCCUR.

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

Waste Disposal Methods:RECOVERED LIQUID MAY BE SENT TO A 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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