

ASHLAND CHEMICAL COMPANY -- TRICHLOROETHYLENE DEG COLD/VAP -- 6810-00-678-4418

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

Product ID:TRICHLOROETHYLENE DEG COLD/VAP

MSDS Date:03/01/1986

FSC:6810

NIIN:00-678-4418

MSDS Number: BFLCM

=== Responsible Party ===

Company Name:ASHLAND CHEMICAL COMPANY

Box:2219

City:COLUMBUS

State:OH

ZIP:43216

Country:US

Info Phone Num:614-790-3333

Emergency Phone Num:606-324-1133

CAGE:5A188

=== Contractor Identification ===

Company Name:ASHLAND CHEMICAL CO

Address:5200 PAUL BLAZEL MEMORIAL PARKWAY

Box:City:DUBLIN

State:OH

ZIP:43017

Country:US

Phone:614-889-4505

CAGE:5A188

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

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

Ingred Name:TRICHLOROETHYLENE (SARA III)

CAS:79-01-6

RTECS #:KX4550000

Fr

action by Wt: 95%
OSHA PEL:100 PPM/100 STEL
ACGIH TLV:50 PPM/100,A5STEL;93
EPA Rpt Qty:100 LBS
DOT Rpt Qty:100 LBS

Ingred Name:STABILIZER

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

LD50 LC50 Mixture:ORAL LD50 (RAT) IS 4920 MG/KG
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:OVEREXPOSURE MAY CAUSE ANEMIA,LIVER
ABNORMALITIES,LUNG DAMAGE.SEE ALSO SIGNS & SYMPTOMS OF

OVEREXPOSURE.

Explanation of Carcinogenicity:TRICHLOROETHYLENE IS LISTED
IARC-3,EPA-2B.

Effects of Overexposure:EYES:SEVERE IRRITATION,REDNESS,TEARING, BLURRED
VISION;SKIN:MODERATE IRRITATION,DEFATTING,DERMATITIS;INHALATION:
NASAL & RESPIRATORY
IRRITATION,DIZZINESS,WEAKNESS,FATIGUE,NAUSEA,HEADACHE, UNCONSCIOUSN
ESS,ASPHYXIATION,INGESTION:GASTROINTESTINAL IRRITATION,NAUSEA,
VOMITING,DIARRHEA.

Medical Cond Aggravated by Exposure:RESPIRATORY AND SKIN AILMENTS.

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

First Aid:EYES:FLUSH WITH PLENTY OF WATER.SEE DOCTOR; SKIN:REMOVE
CONTAMINATED CLOTHING.WASH WITH SOAP & WATER;INHALATION:REMOVE TO
FRESH AIR.GIVE OXYGEN/CPR IF NEEDED.SEE DOCTOR;INGESTION:DO NOT
INDUCE VOMIT.S EE DOCTOR IMMEDIATELY.

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

Extinguishing Media:WATER FOG

Fire Fighting Procedures:COOL EXPSD CNTNRS W/H2O;WEAR SCBA W/
PRESSUR-DEMND FACEPIECE

Unusua

I Fire/Explosion Hazard:NEVER USE WELDG/CUTTING TORCH ON OR NEAR
DRUM(EVEN EMPTY)BECAUSE PRODUCT CAN IGNITE EXPLOSIVELY.

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

Spill Release Procedures:SM SPILL:ABSORB LIQD ON VERMICULITE/
COMMERCIAL ABSORBENT,TRANSFR TO HOOD;LARGE SPILL:EVACUATE UNPROTECTED
PERSONS. ELIM IGN SOURCES.STOP LEAK AT SOURCE W/O RISK,DIKE AREA
THEN PUMP LIQUID TO SALVAGE TANK.TAKE REMAINING LIQD ON ABSORBENT
& SHOVL INTO CO

Neutralizing

Agent:NOT APPLICABLE.

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

Handling and Storage Precautions:STORE IN COOL,DRY,WELL VENTILATED
AREA. PROTECT FROM PHYSICAL DAMAGE.KEEP CONTAINERS CLOSED. MAINTAIN
STANDARD HYGIENE FOR CHEM HANDLING.

Other Precautions:EMPTY CONTAINER OF MATERIAL MAY BE HAZ;SINCE EMPTIED
CONTNR RETAIN PRODUCT RESIDUE(VAP,LIQ/SOLID),ALL HAZARD PRECAUTIONS
GIVEN IN THIS DATA SHEET MUST BE OBSERVED.

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

Respiratory Protection:NIOSH/MSHA SCBA IF TLV IS EXCEEDED.

Ventilation:MECHANICAL (GENERAL) AND/OR LOCAL EXHAUST TO KEEP BELOW
TLV.

Protective Gloves:POLYETHYLENE/PVA

Eye Protection:CHEM SPLASH GOGGLES

Other Protective Equipment:WEAR IMPERVIOUS CLOTHING/BOOTS.

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING.REMOVE AND
LAUNDER CONTAMINATED CLOTHING.

Supplemental Safety and Health
NONE

===== Physical/Chemical Properties =====
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HCC:T4

Boiling Pt:B.P. Text:189F/87.22C

Vapor Pres:60

Vapor Density:4.5

Spec Gravity:1.462

Evaporation Rate & Reference:3.1 (ETHER=1)

Solubility in Water:SLIGHT

Appearance and Odor:CLEAR COLORLESS LIQUID,CHLOROFORM LIKE ODOR

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES

MFR STATES AVOID CONTACT W/STRONG ALKALIES.

Hazardous Decomposition Products:CO,CO2,TOXIC MATL,HCL
GAS,PHOSGENE,VARIOUS

HYDROCARBONS,ETC

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

Waste Disposal Methods:SM SPILL: ALLOW VOLATILE PORTION TO EVAPORATE IN HOOD. DESTROY REMAINS BY BURNING IN IRON PAN. LG SPILL: DESTROY BY LIQUID INCINERATION W. OFF-GAS SCRUBBER. DEPOSIT CONTAMINATED ABSORBENT IN LANDFILL ACCORDING TO LOCAL,STATE & FED REGULATIONS.

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