

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.

=====
===== 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/CUTTNG 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,TRNSFR TO HOOD;LARGE SPILL:EVACUATE UNPROTCTD
PERSONS. ELIM IGN SOURCES.STOP LEAK AT SOURCE W/O RISK,DIKE AREA
THEN PUMP LIQUID TO SALVAGE TAN K.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/Perso
nal Protection =====

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

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

Protective Gloves:POLYETHLENE/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 =====

=

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.

Disclaimer (provided with this information by the compiling agencies):

This information is formulated for use by elements of the

Department

of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.