

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  
F

reaction 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

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===== 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.

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

Extinguishing Media:WATER FOG  
Fire Fighting Procedures:COOL EXPSD CNTNRS W/H2O;WEAR SCBA W/  
PRESSUR-DEMND FACEPIECE  
Unusu

al 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,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/Pers  
onal 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  
LAUNDRER 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,VARIOU

## S 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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