

DIV.INDUSTRIAL CHEMICALS & SOLVENTS -- PERCHLOROETHYLENE -- 6810-01-097-2020  
===== Product Identification =====

Product ID:PERCHLOROETHYLENE

MSDS Date:03/01/1986

FSC:6810

NIIN:01-097-2020

MSDS Number: BGLQP

=== Responsible Party ===

Company Name:DIV.INDUSTRIAL CHEMICALS & SOLVENTS

Box:2219

City:COLUMBUS

State:OH

ZIP:43216

Country:US

Info Phone Num:614-790-3333

Emergency Phone Num:606-324-1133

C

AGE:MO907

=== 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:DIV.INDUSTRIAL CHEMICALS & SOLVENTS

Box:2219

City:COLUMBUS

State:OH

ZIP:43216

Country:US

Phone:614-790-3333

CAGE:MO907

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

Ingred Name:PERCHLOROETHYLENE (TETRACHLOROETHYLENE) (SARA III)

CAS:127-18-4

RTECS #:KX3850000

Fractio

n by Wt: 100.0%  
OSHA PEL:100 PPM  
ACGIH TLV:25PPM/100,A3 STEL;94  
EPA Rpt Qty:100 LBS  
DOT Rpt Qty:100 LBS

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:YES IARC:YES  
Health Hazards Acute and Chronic:ACUTE:SEVERE EYE  
IRRITATION,REDNESS,TEARING,BLURRED VISION.  
SKIN:IRRITATION,DEFATTING,DERMATITIS. BREATHING:NASAL & RESPIRATORY  
IRRITATION,CNS  
DEPRESSION,DIZZINESS,WEAKNESS  
,NAUSEA,HEADACHE;INGESTION:I  
RRITATION,NAUSEA,VOMITING & DIARRHEA.  
CHRONIC:LIVER,KIDNEY,BRAIN,LUNG DAMAGE.  
Explanation of Carcinogenicity:SUSPECTED ANIMAL CARCINOGEN.  
Effects of  
Overexposure:EYES,SKIN:IRRITNT.INHALE:NASAL,RESPIR.IRRITNT,DIZZY,WEA  
K,NAUS,HEADACH,INGEST:IRRITNT,NAUS,VOMIT,DIARR  
Medical Cond Aggravated by Exposure:PRE-EXISTING CONDITIONS MAY BE  
WORSEN.

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

First Aid:SKIN:WASH W.SOAP & WATER.EYES:  
FLUSH W.LG AMTS  
WATER.INGEST:GIV 2 GLASSES WATER,INDUCE VOMITNG.INHALE:REMOVE TO  
FRESH AIR,,GIVE CPR/OXYGEN IF NECESSARY,KEEP PERSON WARM,QUIET &  
GET DR.

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

Extinguishing Media:WATER FOG  
Fire Fighting Procedures:USE H\*2O TO COOL FIRE-EXPOSD CONT.SELF-CONTND  
RESPIRA:POS.PR  
Unusual Fire/Explosion Hazard:SPARKS MAY CAUSE EXPLOSION. EMITS  
CO\*2,CO,HCL,PHOSGENE,VARIOUS HYDROCARBONS.

===== Accidental

Release Measures =====

Spill Release Procedures:SM.SPILL:ABSORB ON PAPER VERMICULITE,FLOOR  
ABSORBENT & TRANSFER TO HOOD.LG SPILL:EXCLUDE UNPROTECTED  
PEOPLE.STOP SPILL,DIKE,PUMP TO SALVAGE TANK.ABSORB REMAINS  
W.SAND,CLAY,EARTH,FLOOR ABSORB& SHOVEL I NTO CONTAINERS.

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

Handling and Storage Precautions:CONTAINERS HAZARDOUS WHEN EMPTY(RETAIN  
PRODUCT RESIDUES).ALL HAZARD PRECAUTIONS MUST BE OBSERVED.

Oth

er Precautions:NCI BIOASSAY CONCLUDED MATL.IS CARCINOGEN ORALLY IN  
MICE,CAUSES LIVER PROBLEMS,OVEREXPOSURE SUGGESTED AS CAUSING LIVER  
ABNORMALITIES;DAMAGE TO KIDNEY,LUNG,BRAIN,SPLEEN IN HUMANS.

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

Respiratory Protection:NIOSH/MESA APPROVED SELF-CNTND BRTHG APP (POS  
PRESSURE MODE)

Ventilation:MECHANICAL(GEN)/LOCAL EXHAUST TO KEEP EXPOSURE BELOW TLV.

Protective Gloves:RESISTANT:PVC

Eye Protection:CHEM SPLASH GOGGLES

Oth

er Protective Equipment:IMPERVIOUS CLOTHES/BOOTS TO PREVENT  
PROLONGED SKIN CONTACT.

Supplemental Safety and Health

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

HCC:T4

Boiling Pt:B.P. Text:250F,121C

Vapor Pres:13.0

Vapor Density:5.7

Spec Gravity:1.622

Evaporation Rate & Reference:2.8 (N-BUTYL ACETATE=1)

Solubility in Water:NEGLIGIBLE

Appearance and Odor:COLORLESS LIQUID,ETHER-LIKE ODOR

Percent Volatiles by Volume:100

===== Stability and Reactivity D

ata =====

Stability Indicator/Materials to Avoid: YES

AVOID CONTACT W. STRONG ALKALIES

Stability Condition to Avoid: NO WELDING/CUTTING TORCH NEAR DRUM EVEN IF EMPTY.

Hazardous Decomposition Products: CO<sub>2</sub>, CO, HCL, PHOSGENE, VARIOUS HYDROCARBONS

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

Waste Disposal Methods: SM. SPILL: EVAPORATE IN HOOD. BURN REMAINS IN IRON PAN. LG. SPILL: DESTROY BY LIQUID INCINERATION W. OFF GAS SCRUBBER. CONTAMINATED ABSORBENT MAY BE LANDFILLED IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

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