

OCCIDENTAL CHEMICAL CO DIV OCCIDENTAL PETROLEUM -- PERCLEN INDUSTRIAL GRADE --
6810-01-097-2020

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

Product ID:PERCLEN INDUSTRIAL GRADE

MSDS Date:07/13/1989

FSC:6810

NIIN:01-097-2020

MSDS Number: BJXRK

=== Responsible Party ===

Company Name:OCCIDENTAL CHEMICAL CO DIV OCCIDENTAL PETROLEUM

Address:CUSTOMER SERVICE, OCCIDENTAL TOWER

Box:809050

City:DALLAS

State:TX

ZIP

:75380

Country:US

Info Phone Num:800-752-5151 / 716-286-3081

Emergency Phone Num:716-278-7021

CAGE:4R332

=== Contractor Identification ===

Company Name:OCCIDENTAL CHEMICAL CO DIV OCCIDENTAL PETROLEUM

Address:CUSTOMER SERVICE, OCCIDENTAL TOWER

Box:809050

City:DALLAS

State:TX

ZIP:75380

Country:US

Phone:716-278-7021

CAGE:4R332

Company Name:SUPERIOR SOLVENTS

Address:400 W REGENT ST

Box:418226

City:INDIANAPOLIS

State:IN

ZIP:46241-8226

Country:US

CAGE:48576

===== Composition/Information on I

Ingredients =====

Ingredient Name:PERCHLOROETHYLENE (TETRACHLOROETHYLENE) (SARA III)
CAS:127-18-4
RTECS #:KX3850000
Fraction by Wt: 99.9%
Other REC Limits:NONE SPECIFIED
OSHA PEL:100 PPM
ACGIH TLV:25PPM/100,A3 STEL;94
EPA Rpt Qty:100 LBS
DOT Rpt Qty:100 LBS

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

LD50 LC50 Mixture:ORAL LD50 (RAT) = 5000 MG/KG
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO
Health Hazards Acute and Chronic:ACUTE: MAY CAUSE EYE & SKIN
IRRITATION. MAY CAUSE RESPIRATORY TRACT IRRITATION. CENTRAL NERVOUS
SYSTEM DEPRESSANT. LOSS OF CONSCIOUSNESS AND EVEN DEATH CAN OCCUR
AT HIGH LEVELS OF EXPOSURE. CHRONIC:LIVER AND KIDNEY DAMAGE.
ASPIRATION HAZARD DO NOT INDUCE VOMITING. PROBABLE CANCER HAZARD.
CAN CAUSE TISSUE DEFATTING.
Explanation of Carcinogenicity:LISTED AS A CARCINOGEN BY NTP AND IARC.
Effects of Overexposure:INCOORDINATION AND IMPAIRED JUDGMENT MAY
OCCUR
AT VAPOR EXPOSURES FROM 200 PPM. DIZZINESS, DROWSINESS, AND GENERAL
ANESTHETIC EFFECTS MAY OCCUR IN RANGES OF 1000 PPM AND HIGHER.
Medical Condition Aggravated by Exposure:EYE/SKIN/RESPIRATORY CONDITIONS MAY
BE AGGRAVATED BY EXPOSURE. MAY CAUSE CANCER.

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

First Aid:INHALATION: REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE CPR.
IF BREATHING IS DIFFICULT, GIVE OXYGEN. CALL A PHYSICIAN. EYE:
FLUSH IMMEDIATELY
WITH LARGE AMOUNTS OF WATER FOR 15 MINUTES. GET
MEDICAL ATTENTION. SKIN: REMOVE CONTAMINATED CLOTHING. WASH WITH
SOAP AND WATER PROMPTLY. INGESTION: DO NOT INDUCE VOMITING. GIVE
MILK OR USP MINERAL OIL. GET IMMEDIATE MEDICAL ATTENTION.

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

Extinguishing Media:USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY
CHEMICAL AS APPROPRIATE FOR SURROUNDINGS.
Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A

FULL FACED SELF CONTAINED BREATHING APPARATUS. EVACUATE AREA. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY.

Unusual Fire/Explosion Hazard:COMBUSTION OR HEAT OF FIRE MAY PRODUCE HAZARDOUS DECOMPOSITION PRODUCTS AND VAPORS. UNDER EXTREMELY HIGH TEMPERATURES, MAY DECOMPOSE TO HCL AND PHOSGENE.

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

Spill Release Procedures:SMALL SPILL: WIPE UP WITH RAGS OR TOWELS.

LARGE SPILLS: WEAR NIOSH APPROVED RESPIRATOR. VENTILATE AREA. DIKE

TO RETAIN FLUID. PUMP UP FREE LIQUID. RESIDUE WILL EVAPORATE QUICKLY. DO NOT FLUSH TO SEWER OR WATERWAY.

Neutralizing Agent:NONE

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

Handling and Storage Precautions:STORE IN A COOL, DRY, WELL-VENTILATED LOCATION, AWAY FROM ANY AREA WHERE THE FIRE HAZARD MAY BE ACUTE. KEEP CONTAINERS CLOSED WHEN NOT IN USE.

Other Precautions:DO NOT USE WITH PRESSURIZED ALUMINUM SYSTEMS. READ AND FOLLOW DIRECTIONS ON LABEL.

DO NOT REUSE CONTAINERS. AVOID WELDING, BRAZING, DRILLING, SOLDERING AND OTHER HIGH TEMPERATURE AND SPARK CONDITIONS AROUND THIS PRODUCT.

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

Respiratory Protection:IN HIGH VAPOR AREA, USE NIOSH/MSHA APPROVED RESPIRATOR WITH ORGANIC VAPOR CARTRIDGE. USE SELF-CONTAINED BREATHING APPARATUS IF ALLOWABLE VAPOR LEVELS ARE EXCEEDED.

Ventilation:LOCAL EXHAUST RECOMMENDED TO CONTROL VAPORS BELOW 50% OF TLV.

Protective Gloves:NEOPRENE, PVA GLOVES RECOMMENDED.

Eye Protection:USE CHEMICAL SAFETY GOGGLES.

Other Protective Equipment:APRON AND WORK CLOTHING TO MINIMIZE EXPOSURE. EYE WASH STATION & SAFETY SHOWER RECOMMENDED.

Work Hygienic Practices:WASH THOROUGHLY AFTER USE AND BEFORE EATING, SMOKING OR USING TOILET FACILITIES. DO NOT BREATHE VAPORS OR MIST.

Supplemental Safety and Health

TARGET ORGANS ARE SKIN, CNS, CVS, AND EYES. STORE IN COOL, DRY PLACE.

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

al Properties =====

HCC:T4

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

Melt/Freeze Pt:M.P/F.P Text:-8F,-22C

Vapor Pres:18

Vapor Density:5.83 AIR=1

Spec Gravity:1.62

Evaporation Rate & Reference:0.12

Solubility in Water:0.015

Appearance and Odor:CLEAR, COLORLESS LIQUID WITH ETHER-LIKE ODOR

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS SUCH AS PURE OXYGEN, STRONG ALKALIS
SUCH AS

SODIUM HYDROXIDE, ALKALI METALS, ALUMINUM.

Stability Condition to Avoid:HIGH HEAT, OPEN FLAMES AND OTHER SOURCES
OF IGNITION, WELDING ARCS.

Hazardous Decomposition Products:WHEN INVOLVED IN FIRE,
TETRACHLOROETHANE (PERC.) EMITS HIGHLY TOXIC AND IRRITATING
HYDROGEN CHLORIDE AND PHOSGENE FUMES.

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

Waste Disposal Methods:CLEAN-UP DEBRIS WILL LIKELY BE A LAND-BANNED
HAZARDOUS WASTE. (CODE=F002) DISPOSAL
WILL BE IN ACCORD WITH
APPLICABLE REGULATIONS.

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