

PPG INDUSTRIES INC -- PERCHLOROETHYLENE -- 6810-00-819-1128

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Product Identification
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Product ID:PERCHLOROETHYLENE

MSDS Date:11/16/1993

FSC:6810

NIIN:00-819-1128

MSDS Number: BQWLR

=== Responsible Party ===

Company Name:PPG INDUSTRIES INC

Address:ONE PPG PLACE

City:PITTSBURGH

State:PA

ZIP:15272

Country:US

Info Phone Num:304-843-1300

Emergency Phone Num:304-843-1300

CAGE:47695

=== Contrac

tor Identification ===

Company Name:PPG INDUSTRIES INC

Address:ONE PPG PLACE

Box:City:PITTSBURGH

State:PA

ZIP:15272

Country:US

Phone:1-800-245-2974 (CAL HYPO)

CAGE:47695

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Composition/Information on Ingredients
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Ingred Name:PERCHLOROETHYLENE (TETRACHLOROETHYLENE) (SARA III)

CAS:127-18-4

RTECS #:KX3850000

Fraction by Wt: >99%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:25 PPM

ACGIH TLV:25 PPM/100STEL,A3;94

EPA Rpt Qty:100 LBS

DOT Rpt Qty:100 LBS

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Hazards Identification =====

LD50 LC50 Mixture:LC50 (RAT) 4000 PPM (4 HOURS)

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO

Reports of Carcinogenicity:NTP:YES IARC:NO OSHA:NO

Health Hazards Acute and Chronic:ACUTE- INHALE:CNS DEPRESSANT & CNS

DAMAGE WITH OVEREXPOSURE. EYE:CAN CAUSE PAIN & IRRITATION.

SKIN:PROLONGED/REPEATED CONTACT CAN CAUSE DERMATITIS. CAN BE

ABSORBED THROUGH SKIN. INGESTION CAN CAUSE GI IRRITATION.

ASPIRATION HAZARD. CHRONIC- D

ERMATITIS, LIVER & KIDNEY DAMAGE.

TARGET ORGANS:CNS, LIVER, KIDNEY, EYE, LUNG.

Explanation of Carcinogenicity:IARC REPORTS "INADEQUATE EVIDENCE".

POSSIBLE CANCER HAZARD.

Effects of Overexposure:EYES, SKIN, RESPIRATORY & GASTROINTESTINAL

TRACTS IRRITATION, HEADACHE, DIZZINESS, NAUSEA, LOSS OF

COORDINATION, VOMITING, PULMONARY EDEMA, UNCONSCIOUSNESS, DEATH

Medical Cond Aggravated by Exposure:PRE-EXISTING SKIN DISORDERS

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

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First Aid:GET MEDICAL ATTENTION IF SYMPTOMS PERSIST. SKIN:WASH WITH

SOAP & WATER. EYE:FLUSH WITH WATER FOR 15 MINUTES, HOLDING EYELIDS

OPEN. INHALED:REMOVE TO FRESH AIR & PROVIDE OXYGEN/CPR IF NEEDED.

ORAL:IF C ONSCIOUS, DRINK LARGE AMOUNT OF WATER. DO NOT INDUCE

VOMITING. CALL A PHYSICIAN OR POISON CONTROL CENTER.

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

Flash Point:NONE

Extinguishing Media:WATER SPRAY, CO2, DRY CHEMICAL. WATER SPRAY MAY BE

USED TO KEEP FIRE EXPOSED CONTAINERS COOL & FLUSH SPILLS AWAY.

Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A

FULL FACED SELF CONTAINED BREATHING APPARATUS OPERATED IN POSITIVE

PRESSURE MODE.

Unusual Fire/Explosion Hazard:COMBUSTION OR HEAT OF FIRE MAY PRODUCE

HAZARDOUS DECOMPOSITION PRODUCTS AND VAPORS.

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

Spill Release Procedures:STOP LEAK IF POSSIBLE. WEAR PROTECTIVE

EQUIPMENT. CONTA

IN LIQUID. CLEAN UP SPILLS USING VERMICULITE,
SAWDUST OR OTHER SUITABLE ABSORBENT MATERIALS. SWEEP INTO CLOSED
CONTAINERS. REMOVE AFFECTED SOILS FOR DISPOSAL. DO NOT FLUSH TO
SEWER.

Neutralizing Agent:NONE

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

Handling and Storage Precautions:STORE IN A CLOSED CONTAINER AWAY FROM
HOT GLOWING SURFACES/ELECTRIC ARCS. AVOID ENVIRONMENTAL
CONTAMINATION.

Other Precautions:DO NOT GET IN EYES, ON SKIN OR CLOTHING. DO
NOT TAKE

INTERNALLY. USE ONLY WITH ADEQUATE VENTILATION. WASH THOROUGHLY
AFTER HANDLING. VAPORS HEAVIER THAN AIR AND CAN ACCUMULATE IN LOW
AREAS. KEEP OUT OF REACH OF CHILDREN.

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

Respiratory Protection:IF ENGINEERING CONTROLS ARE INADEQUATE TO
CONTROL VAPOR CONCENTRATIONS TO AN ACCEPTABLE LEVEL, A
NIOSH-APPROVED ORGANIC VAPOR RESPIRATOR SHOULD BE WORN. A PROGRAM
SHOULD BE INSTITUTED TO ASSURE COMPLIANCE WITH OSHA STANDARD 29
CFR 1910.134.

Ventilation:USE LOCAL EXHAUST VENTILATION TO KEEP EXPOSURE BELOW
PERMISSIBLE LIMITS.

Protective Gloves:POLYVINYL ALCOHOL (PVA), VITON

Eye Protection:CHEMICAL SAFETY GOGGLES+FULL FACE SHIELD

Other Protective Equipment:EYEWASH FACILITY & EMERGENCY SHOWER SHOULD
BE IN CLOSE PROXIMITY. STANDARD WORK CLOTHING AND SHOES.

Work Hygienic Practices:DO NOT INHALE VAPORS. USE GOOD CHEMICAL HYGIENE
PRACTICE. AVOID UNNECESSARY CONTACT.

Supplemental Safety
and Health

NOTE TO PHYSICIAN:ONLY ADMINISTER ADRENALINE AFTER CAREFUL CONSIDERATION
FOLLOWING PERCHLOROETHYLENE OVEREXPOSURE. INCREASED SENSITIVITY OF
THE HEART TO ADRENALINE MAY BE CAUSED BY OVEREXPOSURE TO PERC
HOROETHYLENE.

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

HCC:T4

NRC/State Lic Num:NOT RELEVANT

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

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

Vapor Pres:14.2 @ 68F

Vapor Density:5.83

Spec Gravity:1.6

Viscosity:NOT KNOWN

Evapor

ation Rate & Reference:0.09 (ETHYL ETHER = 1)

Solubility in Water:NEGLIGIBLE

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

NONE

Stability Condition to Avoid:HIGH HEAT, OPEN FLAMES, HOT GLOWING SURFACES OR ELECTRIC ARCS

Hazardous Decomposition Products:MAY FORM HYDROGEN CHLORIDE GAS AND PHOSGENE.

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

Waste Disposal Methods:PLACE CONTAMINATED MATERIAL IN IMPERVIOUS CONTAINERS. DISPOSE BY INCINERATION OR CONTRACT WITH LICENSED CHEMICAL WASTE DISPOSAL AGENCY. DISCHARGE, TREATMENT OR DISPOSAL MAY BE SUBJECT TO FEDERAL, STATE AND LOCAL REGULATIONS. RQ IS 100 LBS.

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