

PPG INDUSTRIES INC -- PERCHLOROETHYLENE -- 6810-01-099-3435

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

Product ID:PERCHLOROETHYLENE

MSDS Date:12/01/1984

FSC:6810

NIIN:01-099-3435

MSDS Number: BJZKL

=== Responsible Party ===

Company Name:PPG INDUSTRIES INC

Address:1 PPG PL

City:PITTSBURGH

State:PA

ZIP:15272

Country:US

Info Phone Num:412-434-3131

Emergency Phone Num:412-434-3131

CAGE:47695

=== Contractor I

dentification ===

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

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

Ingred Name:PERCHLOROETHYLENE (TETRACHLOROETHYLENE) (SARA III)

CAS:127-18-4

RTECS #:KX3850000

Fraction by Wt: 100%

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

===== Haza

Product Identification =====

LD50 LC50 Mixture:LD 50 ORAL RABBIT IS 5000 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:HEALTH HAZARDS: ACUTE: IRRITATION,  
CENTRAL NERVOUS SYSTEM DEPRESSANT, ASPIRATION MAY LEAD TO PULMONARY  
EDEMA. CHRONIC: DERMATITIS, LIVER AND KIDNEY DAMAGE.

Explanation of Carcinogenicity:NONE OF THE INGREDIENTS IN THIS PRODUCT  
IS LISTED BY NTP, IARC OR  
OSHA AS A CARCINOGEN.

Effects of Overexposure:EYES: IRRITATION, PAIN. SKIN: IRRITATION,  
DERMATITIS. INHALATION: RESPIRATORY TRACT IRRITATION, DIZZINESS,  
NAUSEA, HEADACHE, LOSS OF COORDINATION AND EQUILIBRIUM,  
UNCONSCIOUSNESS AND EVEN DEATH. INGESTION: IRRITATION OF MOUTH AND  
GASTROINTESTINAL TRACT, VOMITING.

Medical Cond Aggravated by Exposure:INDIVIDUALS WITH A HISTORY OF SKIN  
AND RESPIRATORY DISORDERS MAY BE AT INCREASED RISK FROM EXPOSURE.

===== First

Aid Measures =====

First Aid:EYES:FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES.IF  
IRRITATION PERSISTS,SEE DOCTOR. SKIN:WASH WITH SOAP AND WATER WHILE  
REMOVING CONTAMINATED CLOTHING AND SHOES.SEE DOCTOR.  
INHALATION:REMOVE VICTIM TO FRESH AIR.GIVE OXYGEN/CPR IF  
NEEDED.SEE DOCTOR. INGESTION:DRINK LARGE AMOUNTS OF WATER.DO NOT  
INDUCE VOMITING.SEE DOCTOR IMMEDIATELY.NOTHING BY MOUTH IF  
UNCONSCIOUS.

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

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Flash Point:NONE

Lower Limits:NONE

Upper Limits:NONE

Extinguishing Media:USE WATER FOG, CARBON DIOXIDE, OR DRY CHEMICAL.

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 SUCH AS PHOSGENE AND  
HYDROGEN CHLORIDE.

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

Spill Release Procedures:REMOVE PERSONNEL TO UPWIND LOCATION.ELIMINATE IGNITION SOURCES.PROVIDE MAXIMUM VENTILATION.WEAR PROTECTIVE CLOTHING AND EQUIPMENT.ABSORB IN INERT MATERIAL AND PLACE IN APPROPRIATE DISPOSAL CONTAINER AN D COVER.THOROUGHLY WET VACUUM AREA.

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

Handling and Storage Precautions:STORE IN COOL, DRY, WELL VENTILATED AREA. PROTECT FROM PHYSICAL DAMAGE, HEAT, IGNITION SOURCES AND INCOMPATIBLE MATERIALS. KEEP CONTAINERS CLOSED.

Other Precautions:DO NOT USE IN POORLY VENTILATED AREAS WITHOUT PROPER PROTECTION. PERCHLOROETHYLENE VAPORS ARE HEAVIER THAN AIR AND WILL COLLECT IN LOW AREAS. AVOID EYE AND SKIN CONTACT. DO NOT BREATHE VAPORS. DO NOT INGEST.

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

Respiratory Protection:NIOSH/MSHA-APPROVED FULL FACE ORGANIC VAPOR CARTRIDGE OR CANSISTER R ESPIRATOR OR SCBA AS APPROPRIATE FOR EXPOSURE OF CONCERN.

Ventilation:MECHANICAL (GENERAL) VENTILATION OR LOCAL EXHAUST VENTILATION TO KEEP EXPOSURE LEVELS BELOW PEL.

Protective Gloves:VITON, PVA. (NITRILE FOR LIMITED USE)

Eye Protection:SPLASHPROOF GOGGLES.

Other Protective Equipment:BOOTS, APRONS, OR CHEMICAL SUITS TO PREVENT SKIN CONTACT.

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health  
NONE.

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

HCC:T4

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

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

Vapor Pres:4.2

Vapor Density:5.83

Spec Gravity:1.6

pH:7-8.4

Evaporation 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/Mater

ials to Avoid: YES

NONE

Stability Condition to Avoid: OPEN FLAMES, HOT GLOWING SURFACES AND ELECTRIC ARCS.

Hazardous Decomposition Products: HYDROGEN CHLORIDE AND POSSIBLE TRACES OF PHOSGENE.

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

Waste Disposal Methods: CONTACT YOUR LOCAL ENVIRONMENTAL OFFICER. DISPOSE OF IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS. EPA HAZARDOUS WASTE NUMBER U210.

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