

PPG INDUSTRIES INC (WAS PITTSBURGH PLATE GLASS CO) -- ETHYLENE GLYCOL --
6810-00-006-4205

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

Product ID:ETHYLENE GLYCOL

MSDS Date:10/01/1983

FSC:6810

NIIN:00-006-4205

MSDS Number: BZBBP

=== Responsible Party ===

Company Name:PPG INDUSTRIES INC (WAS PITTSBURGH PLATE GLASS CO)

Address:ONE PPG PLACE

City:PITTSBURGH

State:PA

ZIP:15272-0001

Country:US

Info Phone Num:412

-434-3131

Emergency Phone Num:412-434-3131

Preparer's Name:MGR.,PRODUCT SAFETY

CAGE:47695

=== Contractor Identification ===

Company Name:DRESSER INDUSTRIES (203-385-0216)

Box:UNKNOW

CAGE:4N193

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 =====

Ingred Name:ETHYLENE GLYCOL (SARA 313) (CERCLA)

CAS:107-21-1

RTECS #:KW2975000

Fraction b

y Wt: 100%
Other REC Limits:NONE RECOMMENDED
ACGIH TLV:C 50 PPM,VAPOR; 9495
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

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

LD50 LC50 Mixture:LD 50 ORAL G.PIG IS 6.6G/KG
Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:INGEST:MAY CAUSE ILLNESS OR
DEATH.SKIN/EYE:LOW POTENTIAL FOR CAUSING IRRITATION.INHAL:LIMITED
INHALATION HAZARD.CHRONIC:MAY
CAUSE LIVER AND KIDNEY DAMAGE AND
BLADDER STONES.
Explanation of Carcinogenicity:ETHYLENE GLYCOL MAY CAUSE BIRTH DEFECTS.
Effects of Overexposure:INGEST:INTOXICATION APPEARS IN 3
STAGES:1-DRUNKENESS;2-NAUSEA,VOMITING AND EYE SYMPTOMS;3-RAPID
BREATHING,INCREASED HEARRT RATE,DECREASE IN URINATION.INHAL:EYE AND
THROAT IRRITATION,DIZZINESS.
Medical Cond Aggravated by Exposure:INDIVIDUALS WITH A HISTORY OF
RESPIRATORY DISORDERS MAY BE AT INCREASED RISK FROM EXPOSURE.

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

First Aid:EYES: FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. SEE
DOCTOR. SKIN: WASH WITH SOAP AND WATER WHILE REMOVING CONTAMINATED
CLOTHING. INHALATION: REMOVE VICTIM TO FRESH AIR. GIVE OXYGEN/CPR
IF NE EDED. SEE DOCTOR. INGESTION: DRINK 2 GLASSES OF WATER. DO NOT
INDUCE VOMITING. NOTHING BY MOUTH IF UNCONSCIOUS. SEE DOCTOR
IMMEDIATELY.

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

Fla
sh Point Method:TCC
Flash Point:232F,111C
Lower Limits:3.2
Extinguishing Media:USE WATER FOG,CARBON DIOXIDE,FOAM OR DRY CHEMICAL.
Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A
FULL FACED SELF CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED
CONTAINERS WITH WATER SPRAY.
Unusual Fire/Explosion Hazard:FIRE CONDITIONS MAY EVOLVE TOXIC FUMES.

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

Spill Release Procedures:DIKE.SOAK UP WITH NON-COMBUSTIB

LE INERT

ADSORBANT(EG.CLAY);PLACE COLLECTED MATERIAL IN AN APPROPRIATE CONTAINER FOR DISPOSAL;THOROUGHLY WET VACUUM AREA.DO NOT FLUSH TO SEWER;DO NOT CONTAMINATE GROUND OR WATERWAYS.

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===== 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:AVOID EYE AND SKIN CONTACT.
DO NOT BREATHE VAPORS. DO NOT INGEST!

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

Respiratory Protection:WHERE ENVIRONMENTAL CONTROLS ARE LACKING OR IN ENCLOSED SPACES USE A NIOSH/MSHA APPROVED RESPIRATOR FOR ORGANIC VAPORS.

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

Protective Gloves:IMPERMEABLE

Eye Protection:SAFETY GLASSES

Other Protective Equipment:PROTECTIVE CLOTHING AS REQUIRED TO MINIMIZE

EXPOSURE FROM PROLONGED OR REPEATED CONTACT. EYE BATH AND SAFETY SHOWER.

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

Supplemental Safety and Health
NONE.

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

HCC:V5

Boiling Pt:=197.2C, 387.F

Vapor Pres:0.1

Vapor Density:2.14

Spec Gravity:1.1154

Evaporation Rate & Reference:NEGLIGIBLE

Solubility in Water:COMPLETE

Appearance and Odor:LI

QUID,CLEAR;COLORLESS;MILD ODOR.

Percent Volatiles by Volume: 0

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS,ACIDS AND BASES.

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:NONE SPECIFIED BY MANUFACTURER.

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

Waste Disposal Methods:CONTACT YOUR LOCAL ENVIRONMENTAL OFFICER.

DISPOSE OF IN ACCO

RDANCE WITH ALL FEDERAL, STATE AND LOCAL

REGULATIONS. MANUFACTURER RECOMMENDS LIQUID INCINERATION.

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