

PPG INDUSTRIES INC (WAS PTTTSBURGH PLATE GLASS CO) -- TRI-ETHANE 377 --
6810-01-411-5983

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

Product ID:TRI-ETHANE 377

MSDS Date:08/08/1989

FSC:6810

NIIN:01-411-5983

MSDS Number: CCMLS

=== Responsible Party ===

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

Address:ONE PPG PLACE

City:PITTSBURGH

State:PA

ZIP:15272-0001

Country:US

Info Phone Num:412-4

34-3131

Emergency Phone Num:412-434-3131

CAGE:47695

=== Contractor Identification ===

Company Name:CHEMICAL SPECIALISTS AND DEVELOPMENT INC

Address:2210 HACKBERRY LN

Box:687

City:CONROE

State:TX

ZIP:77305

Country:US

Phone:409-756-1065

CAGE:4N760

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:METHYL CHLOROFORM (1,1,1

-TRICHLOROETHANE) (SARA 313)

(CERCLA)

CAS:71-55-6

RTECS #:KJ2975000

Fraction by Wt: >95%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:350 PPM

ACGIH TLV:350 PPM/450STEL;9596

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

Ozone Depleting Chemical:1

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

LD50 LC50 Mixture:ORAL LD50 (RAT) IS >10000 MG/KG

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

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

Health Hazards Acute and Chr

onic:ACUTE: SLIGHTLY TOXIC IF VAPORS/MISTS

INHALED; CAUSES CNS DEPRESSION. CONTACT WITH LIQUID MAY CAUSE EYE IRRITATION; PROLONGED SKIN CONTACT MAY CAUSE IRRITATION, DERMATITIS. INGESTION MAY CAUSE GI TRACT IRRITATION, CNS DEPRESSION. ASPIRATION MAY CAUSE PULMONARY DAMAGE. CHRONIC: NO ADVERSE HEALTH EFFECTS NOTED.

Explanation of Carcinogenicity:THIS PRODUCT IS NOT LISTED BY IARC, NTP OR OSHA AS A CARCINOGEN, MUTAGEN OR TERATOGEN.

Effects of Overexposure:INHALED-DIZZINESS

, HEADACHE, NAUSEA,

LIGHTHEADEDNESS, LOSS OF COORDINATION/EQUILIBRIUM, DEATH, CNS DAMAGE. EYES-PAIN, IRRITATION, DISCOMFORT. SKIN-IRRITATION, DERMATITIS. INGESTED-IRRITATION OF MOUTH/ GI TRACT, CNS DEPRESSION (SEE INHALED).

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:IN ALL CASES GET MEDICAL ATTENTION. EYES-FLUSH WITH WATER FOR 15 MINUTES. SKIN-REMOVE CONTAMINATED CLOTHES.

WASH WITH MILD SOAP &

WATER. INHALED-REMOVE TO FRESH AIR. ADMINISTER OXYGEN OR ARTIFICIAL RESPIRATION AS NEEDED. INGESTED-IF CONSCIOUS, DRINK LOTS OF WATER. DO NOT INDUCE VOMITING! TAKE IMMEDIATELY TO HOSPITAL OR PHYSICIAN. NOTHING BY MOUTH IF UNCONSCIOUS.

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

Flash Point:NONE

Lower Limits:7

Upper Limits:15

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

Fire Fighting Procedures:DUE TO POSSIBLE PRES

ENCE OF HYDROGEN CHLORIDE

AND PHOSGENE; WEAR SELF-CONTAINED BREATHING APPARATUS AND FULL FIRE FIGHTER'S PROTECTIVE GEAR.

Unusual Fire/Explosion Hazard:VAPORS CONCENTRATED IN CONFINED OR POORLY VENTILATED AREA CAN BE IGNITED UPON CONTACT WITH HIGH ENERGY SPARK, FLAME OR HIGH INTENSITY SOURCE OF HEAT.

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

Spill Release Procedures:EVACUATE AREA. VENTILATE AREA. ISOLATE & DENY ENTRY. WEAR PROPER PERSONAL PROTECTIVE GEAR. DIKE/CONTAIN SPILL.

KEEP OUT OF GROUND & SURFACE WATER. RECOVER WITH ABSORBENTS. SCOOP UP & PLACE IN CONTAINER FOR WASTE DISPOSAL. WET VACUUM RESIDUE.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:STORE ONLY IN CLOSED, PROPERLY LABELED CONTAINERS. KEEP CONTAINER CLOSED WHEN NOT IN USE. KEEP AWAY FROM STRONG OXIDIZING AGENTS.

Other Precautions:THIS MATERIAL OR ITS VAPORS WHEN IN CONTACT WITH

FLAMES, HOT GLOWING SURFACES OR ELECTRIC ARCS CAN DECOMPOSE TO FORM HYDROGEN CHLORIDE & PHOSGENE. AVOID CONTAMINATING WATER SUPPLIES. USE ONLY IN WELL -VENTILATED AREAS.

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

Respiratory Protection:IF ENGINEERING CONTROLS FAIL OR NON-ROUTINE USE OR AN EMERGENCY OCCURS; WEAR AN MSHA/NIOSH APPROVED RESPIRATOR WITH ORGANIC VAPOR CARTRIDGE OR AN AIR-SUPPLIED RESPIRATOR OR SCBA, AS REQUIRED.

USE IAW 29 CFR 1910.134.

Ventilation:USE ADEQUATE MECHANICAL VENTILATION OR LOCAL EXHAUST TO MAINTAIN EXPOSURE BELOW TLV(S).

Protective Gloves:VITON, SILVER SHIELD, PVA (LIMITED USE)

Eye Protection:CHEMICAL SPLASH GOGGLES.

Other Protective Equipment:BOOTS, APRON OR CHEMICAL SUITS WHEN NEEDED TO PREVENT SKIN CONTACT. DLA-HMIS: EYE WASH STATION & SAFETY SHOWER.

Work Hygienic Practices:WASH HANDS AFTER HANDLING AND BEFORE EATING, DRINKING, OR SMOKING. LAUNDRY CONTAMINATED CLOTHES

BEFORE REUSE.
Supplemental Safety and Health

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

HCC:T4
Boiling Pt:B.P. Text:162F,72C
Melt/Freeze Pt:M.P/F.P Text:-49F,-45C
Vapor Pres:135
Vapor Density:4.54
Spec Gravity:1.310
pH:6-7.5
Evaporation Rate & Reference:0.35 (ETHYL ETHER=1)
Solubility in Water:NEGLIGIBLE
Appearance and Odor:CLEAR, COLORLESS LIQUID; ETHER-LIKE ODOR.
Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES
CAUSTIC SODA, CAUSTIC POTASH, OXIDIZING MATERIALS-SHOCK SENSITIVE
COMPOUNDS MAY BE FORMED.
Stability Condition to Avoid:OPEN FLAMES, HOT GLOWING SURFACES OR
ELECTRIC ARCS.
Hazardous Decomposition Products:HYDROGEN CHLORIDE, PHOSGENE.
Conditions to Avoid Polymerization:WILL NOT OCCUR.

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

Waste Disposal Methods:DISPOSE OF AS HAZARDOUS WASTE AT A PERMITTED
HAZARDOUS WASTE MANAGEMENT FACILITY. RECOVERED LIQUIDS MAY BE
REPROCESSED OR INCINERATED OR MUST BE TREATED IN A HAZARDOUS WASTE
MANAGEMENT FACILITY.

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