

PPG INDUSTRIES, INCORPORATED (CHEMICAL DIVISION) -- HUB-THANE; PRODUCT CODE: 0330 --
6810-00-551-1487

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

Product ID:HUB-THANE; PRODUCT CODE: 0330

MSDS Date:11/01/1985

FSC:6810

NIIN:00-551-1487

MSDS Number: BFDZC

=== Responsible Party ===

Company Name:PPG INDUSTRIES, INCORPORATED (CHEMICAL DIVISION)

Address:ONE GATEWAY CENTER

City:PITTSBURGH

State:PA

ZIP:15222-141

6

Country:US

Info Phone Num:304-843-1300

Emergency Phone Num:304-843-1300

CAGE:DO894

=== Contractor Identification ===

Company Name:PPG INDUSTRIES INC CHEMICAL DIVISION

Address:ONE GATEWAY CENTER

City:PITTSBURGH

State:PA

ZIP:15222-1416

Country:US

Phone:304-843-1300

CAGE:93915

Company Name:PPG INDUSTRIES, INC.

Address:4325 ROSANNA DR

Box:9

City:ALLISON PARK

State:PA

ZIP:15101

Country:US

Phone:412-592-5555

CAGE:DO894

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

Ingred Nam

e:METHYL CHLOROFORM (1,1,1-TRICHLOROETHANE) (SARA III)

CAS:71-55-6

RTECS #:KJ2975000

Fraction by Wt: 96.0%

OSHA PEL:350 PPM/450 STEL

ACGIH TLV:350 PPM/450STEL;9192

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

Ozone Depleting Chemical:1

Ingred Name:1,4-DIOXANE (DIETHYLENE DIOXIDE) (SARA III)

CAS:123-91-1

RTECS #:JG8225000

OSHA PEL:S, 100 PPM

ACGIH TLV:S, 25 PPM; 9293

EPA Rpt Qty:100 LBS

DOT Rpt Qty:100 LBS

Ingred Name:GLYCOL METHYLENE ETHER

CAS:646-06-0

RTECS #:JH6760000

Ingred Name:SEC-BUTYL AL

COHOL (SARA III)

CAS:78-92-2

RTECS #:EO1750000

OSHA PEL:150 PPM

ACGIH TLV:100 PPM; 9293

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Health Hazards Acute and Chronic:ACUTE: IRRITATION OF EYS, SKIN AND RESPIRATORY AND G. I. TRACTS; CNS EFFECTS, DIZZINESS, NAUSEA, HEADACHE, PULMONARY EDEMA, VOMITTING. CHRONIC: PULMONARY EDEMA, LIVER OR KIDNEY EFFECTS.

Effects of Overexposure:INHALATION: CNS DEPRESSION, IRRITATION OF

RESPIRATORY TRACT, DIZZINESS, NAUSEA, LIGHT HEADEDNESS, HEADACHE, DEATH IF INHALED EXCESSIVELY. EYE/SKIN: DISCOMFORT, PAIN, IRRITATION OR DERMATITIS ON PROLONGED CONTACT. INGESTION: IRRITATION OF G. I. TRACT, PULMONARY EDEMA, VOMITING, ETC.

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

First Aid:EYES:IRRIGATION OF THE EYE IMMEDIATELY WITH WATER FOR 5 MIN. IS GOOD SAFETY PRACTICE.SKIN:CONTACT WILL PROBABLY CAUSE NO MORE THAN IRRITATION.

H OFF IN FOWING WATER OR SHOWER.WASH
CLOTHING.INHALATION:REMOVE TO F RESH AIR IF EFFECTS OCCUR.CALL PHYS
AND/OR TRANSP

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

Flash Point:NONE
Lower Limits:7%
Upper Limits:15%
Extinguishing Media:WATER,DRY CHEMICAL OR CARBON DIOXIDE
Fire Fighting Procedures:PRESSURE DEMAND SELF-CONTAINED BREATHING
APPARATUS.
Unusual Fire/Explosion Hazard:NONE

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

Spill Re
lease Procedures:USE APPROPRIATE SAFETY EQMT.SMALL LEAKS:MOP
UP,WIPE UP,OR SOAK UP IMMED.REMOVE TO OUT OF DOORS.LG
SPILLS:EVACUATE AREA.CONTAIN LIQUID:TRANSFER TO CLOSED METAL
CONTAINERS.KEEP OUT OF WATER SUPPLY.

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

Handling and Storage Precautions:HANDLE W/REASONABLE CARE.AVOID
BREATHING VAP.STORE IN COOL DRY PLACE VAPORS OF THIS PRODUCT ARE
HEAV THAN AIR & WILL COLLECT IN LOW AREAS SUCH AS PITS

Other Precaut
ions:CON'TD(FROM PRECAUTIONS ABOVE) VAP OF THIS PRODUCT
ARE HEAVIER THAN AIR & WILL COLLECT IN LOW AREAS SUCH AS
PITS,DEGREASERS,STORAGE TANKS,& OTHER CONFINED AREAS.DO NOT ENTER
THESE AREAS WHE

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

Respiratory Protection:APPRVD RESPIRATORY PROTECT REQD IN ABSEN OF
PROPER ENVIRON CONTROL.F
Ventilation:LOC EXHAUST-CONTROL OF VAPORS TO SUGGESTED GUIDE
Protective Gloves:NO SPEC PROTECT
Eye Protection:SAFETY GLASSES W/

O SIDE S

Other Protective Equipment: CARTRIDGE RESPIRATORS ARE NOT RECOMMENDED EXCEPT FOR EVACUATION

Supplemental Safety and Health

RESP PROTECT: APPROVED RESPIRATORY PROTECTION REQUIRED IN ABSENCE OF PROPER ENVIRONMENTAL CONTROL. FOR EMERG. SELF-CONTAINED BREATHING APPARATUS RECOMMENDED.

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

HCC:T4

Boiling Pt: B.P. Text: 165F-74C

Melt/Freeze Pt: M.P/F.P Text: -49F/-45C

Vapor Pres: 135

Vapor Density: 4.54

Spec Gravity: 1.31 @

Evaporation R

ate & Reference: 0.35 (ETHYL ETHER)

Solubility in Water: NEGLIGIBLE

Appearance and Odor: CLEAR COLORLESS LIQUID W/ETHER LIKE ODOR

Percent Volatiles by Volume: 100

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

Stability Indicator/Materials to Avoid: YES

WATER-SLOW HYDROLYSIS PRODUCES CORROSIVE ACID

Stability Condition to Avoid: OPEN FLAMES, WELDING ARCS OR OTHER HIGH TEMP SOURCES WHICH IN

Hazardous Decomposition Products: HYDROGEN CHLORIDE & VERY SMALL AMTS OF PHOSGENE

& CHLORINE

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

Waste Disposal Methods: IN SOME CASES, SMALL AMTS. MAY BE TRANSPORTED TO AN AREA WHERE IT CAN BE PLACED ON THE GROUND AND ALLOWED TO EVAPORATE SAFELY IF LOCAL, STATE, AND FEDERAL REGULATIONS PERMIT.

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