

PPG INDUSTRIES,INC. -- TRI-ETHANE 366 -- 6810-00-551-1487

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

Product ID:TRI-ETHANE 366

MSDS Date:10/05/1988

FSC:6810

NIIN:00-551-1487

MSDS Number: BFDYX

=== Responsible Party ===

Company Name:PPG INDUSTRIES,INC.

Address:1-PPG PLACE

City:PITTSBURGH

State:PA

ZIP:15272

Country:US

Info Phone Num:304-843-1300

Emergency Phone Num:304-843-1300

Preparer's Name:R. KENNETH LE

E

CAGE:GO796

=== Contractor 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

Company Name:PPG INDUSTRIES,INC. COATINGS TRESINS DIV.

Address:1 PPG PL

City:PITTSBURGH

State:PA

ZIP:15272

Country:US

CAGE:GO796

Company Name:SHIELDING SYSTEMS CORP

CAGE:49942

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

Ingred Name:METHYL CHLOROFORM (1,1,1-TRICHLOROETHANE) (SAR

A III)
CAS:71-55-6
RTECS #:KJ2975000
Fraction by Wt: 96.0%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:350 PPM
ACGIH TLV:350 PPM/450STEL;9394
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 ALCOHOL (SARA III)
CAS:7
8-92-2
RTECS #:EO1750000
OSHA PEL:150 PPM
ACGIH TLV:100 PPM; 9293

Ingred Name:OTHER STABILIZERS

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

LD50 LC50 Mixture:LD50 RAT ORAL10-12G/KG;DERMAL RAB:15G/KG
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE:IRRITATION OF
EYES,SKIN,RESPIRATORY OR G.I. TRACT,CNS EFFECTS LIKE
HEADACHE,DIZZINESS,NAUSEA,LOSS OF CO-ORDINATION.

CHRONIC:DERMATITIS.

Explanation of Carcinogenicity:DATA PER MSDS.

Effects of

Overexposure:INHALE:DIZZINESS,NAUSEA,UNCONSCIOUSNESS.SKIN/EYE:IRRITANT.INGEST:IRRITATION OF THE MOUTH.

Medical Cond Aggravated by Exposure:NO DATA AVAILABLE.

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

First Aid:INHALE:REMOVE TO FRESH AIR.GIVE CPR/OXYGEN IF NEEDED.
EYE/SKIN:FLUSH WITH PLENTY OF WATER. INGEST:IF CONSCIOUS,DRINK
LARGE QUANTITIES OF WATER,DO NOT INDUCE VOMITING.TAKE TO A
HOSPITAL;IF UNCONSCIOUS, TAKE IMMEDIATELY TO A HOSPITAL.

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

Lower Limits:7

Upper Limits:15

Extinguishing Media:CO*2, FOAM, DRY CHEM & H*2O FOG.

Fire Fighting Procedures:WEAR SELF-CNTND BRTHG APP

Unusual Fire/Explosion Hazard:VAPORS CONCENTRATED IN A CONFINED OR
POORLY VENTILATED AREA CAN BE IGNITED WITH A HIGH ENERGY SPARK.

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

Spill Release P

rocedures:EVACUATE & VENTILATE THE AREA.STAY UPWIND.WEAR
PROPER PROTECTION.DIKE AREA TO CONTAIN SPILL.AVOID CONTAMINATING
WATER.RECOVER SPILLED MATERIAL ON ABSORBENTS & SWEEP INTO CLOSED
CONTAINERS.

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

Handling and Storage Precautions:DO NOT USE IN POORLY VENTILATED OR
CONFINED AREA.KEEP CONTAINER CLOSED.DO NOT STORE OR STACK ALUMINUM
IN CONTACT WITH TRI-ETHANE-POSSIBLE SOLV DECOMPO

Other Precautions:AVOID PRO

LONGED OR REPEATED BREATHING OF VAPOR. AVOID
CONTACT WITH EYES OR PROLONGED/REPEATED CONTACT WITH SKIN. DO NOT
USE IN POORLY VENTILATED OR CONFINED SPACES.

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

Respiratory Protection:USE NIOSH/MSHA APPROVED RESPIRATOR FOR ORGANIC
VAPORS/MIST IF ABOVE PEL/TLV.

Ventilation:LOCAL EXHAUST TO MAINTN BELOW TLV.

Protective Gloves:VITON

Eye Protection:CHEM SPLASH GOGGLES

Other Protective Equipment:PROTECTIVE CLOTHING,EYE-WASH

FACILITIES,BOOTS,APRON.

Work Hygienic Practices:AVOID CONTACT WITH EYES AND SKIN;DO NOT BREATHE VAPORS/MIST.

Supplemental Safety and Health

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

HCC:T4

Boiling Pt:B.P. Text:72-88C

Vapor Pres:135

Vapor Density:4.54

Spec Gravity:1.30-1.32

pH:6-7.5

Evaporation Rate & Reference:0.35,ETHER=1

Solubility in Water:NEG.

Appearance and Odor:CLEAR,COLORLESS LIQUID WITH ETHER-LIKE ODOR.

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES

CAUSTIC SODA,OXIDIZING MATERIALS.

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

Hazardous Decomposition Products:HCL,TRACES OF PHOSGENE.

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

Waste Disposal Methods:KEEP IN COVERED DRUMS,PENDING DISPOSAL. HANDLE & DISPOSE IN FULL COMPLIANCE WITH ALL APPLICABLE INTERNATIONAL,FEDERAL,STATE, & LOCAL REGULATIONS.

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