

PPG INDUSTRIES, INC. -- TRI-ETHANE R 377 -- 6810-00-551-1487

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Product Identification
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Product ID:TRI-ETHANE R 377

MSDS Date:11/14/1991

FSC:6810

NIIN:00-551-1487

MSDS Number: BPVBN

=== Responsible Party ===

Company Name:PPG INDUSTRIES, INC.

Address:ONE PPG PLACE

City:PITTSBURG

State:PA

ZIP:15272

Country:US

Info Phone Num:215-926-4151

Emergency Phone Num:215-926-4151 OR 304-843-1300

CAGE:

DO894

=== Contractor Identification ===

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

Company Name:TEXTILE CHEMICAL CO

Address:POTTSVILLE PIKE & HULLER LANE

Box:City:READING

State:PA

ZIP:19605

Country:US

Phone:215-926-4151

CAGE:2HO96

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Composition/Information on Ingredients
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Ingred Name:METHYL CHLOROFORM (1,1,1-TRICHLOROETHANE) (SARA III)

CAS:71-55-6

RTECS #:KJ2975000

Fra

ction by Wt: >95%
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:SEC-BUTANOL
CAS:78-92-2
RTECS #:EO1750000

Fraction by Wt: 15 G/KG. LD50 INGEST RAT:
10-12 G/KG. LD50 INHAL RABBIT, GUINEA PIG: 5.6-9.5 G/KG. FOR
INHAL. VOMITING & SUBSEQUENT ASPIRATION INTO LUNGS MAY LEAD TO
CHEMICAL PNEUMONIA & PULMONARY EDEMA WHICH IS POTENTIALLY FATAL.

Medical Cond Aggravated by Expo
sure:N/K NOTE TO PHYSICIAN NEVER
ADMINISTER ADRENALINE FOLLOWING TRI-ETHANE 'R' OVEREXPOSURE.
INCREASED SENSITIVITY OF THE HEART TO ADRENALINE MAY BE CAUSED BY
OVEREXPOSURE TO TRI-ETHANE.

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

First Aid:INHAL: REMOVE TO FRESH AIR. IF NOT BREATH, GIVE ARTIF RESP
(PREFERABLY MOUTH-TO-MOUTH). IF BREATHING DIFFICULT, GIVE OXYGEN.
CALL DR. EYE/SKIN: FLUSH EYE & SKIN W/WATER (SOAP & WATER FOR SKIN)
15 MIN, REMOVE
ING CONTAM CLOTH & SHOES. IF IRRIT OCCURS, SEE DR.
INGEST: IF CONSCIOUS, DRINK LRG QTY WATER. DONT INDUCE VOMIT. TAKE
IMMED TO HOSP/DR. DONT INDUCE VOMIT/GIVE ANYTHING BY MOUTH TO
UNCONSCIOUS.

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

Flash Point:NONE
Autoignition Temp:Autoignition Temp Text:NONE
Lower Limits:7
Upper Limits:15
Extinguishing Media:WATER DRY CHEMICALS OR CARBON DIOXIDE
Fire Fighting Procedures:WEAR NIOSH/MSHA PRESSURE DEMAND SELF-
CONTAINING

INED BREATHING APPARATUS FOR POSSIBLE EXPOSURE TO HYDROGEN CHLORIDE AND POSSIBLE TRACES OF PHOSGENE.

Unusual Fire/Explosion Hazard:VAPORS CONC IN CONFINED/POORLY VENTED AREA CAN BE IGNITED UPON CONTACT W/HIGH HEAT SOURCE/IGNIT SOURCE. DECOMP/BURNING WILL PRODUCE HYDROGEN CHLORIDE/PHOSGENE.

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

Spill Release Procedures:EVAC AREA, PROVIDE MAX VENT. WEAR PROTECT EQUIP(SEE CNTRL MEASURES). DIKE/CONTAIN. PREVENT GRND/SURFACE WATER CONTAM. USE ABSORB (SAWDUST,VERMIC). SWEEP INTO CLSD CNTNRS. AFTER VISIBLE TRACES(INCLUD V APOR) REMVD,WET VAC. DONT FLUSH TO SEWER. # Neutralizing Agent:N/K # IF AREA POROUS, REMOVE CONTAM EARTH/GRAVEL AS NEEDED. PUT INTO CNTNR.

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

Handling and Storage Precautions:USE W/VENT W/O RESP PROTECT. HEAVIER THAN AIR, COLLECT IN LOW AREA. KEEP CNTNR CLSD. STORE IN CLSD LABELED CNTNRS. EXPLOSIVE WHEN MIXED W/LIQ OXYGEN. Other Precautions:AVOID WATER SUPPLY CONTAM.AVOID SPILL/LEAK.DONT STORE OR STACK ALUMINUM IN CONTACT W/MAT'L.DONT USE PRESSURIZED/TOTALLY ENCLSD ALUM CONSTRUCTION.DONT WELD,CUT ON EMPTY DRUMS UNLESS PURGED/CLEANED.DONT BREATHE/EAT.AVOID CONTACT W/SKIN/EYES.##

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

Respiratory Protection:USE HALF/FULL FACEPIECE ORGANIC VAPOR CHEM CARTRIDGE/CANISTER RSPRTR WHEN CONC EXCEED TLV. USE SCBA/FULL FACEPIECE AIRLINE RSPRTR W/AUXILIARY SCBA OPERATED IN PRESSURE DEMAND FOR EMERG/WORK PERFORMED IN STORAGE VESSELS/POOR VENTED AREA. ### Ventilation:USE LOCAL EXHAUST/DILUTION VENT AS APPROPRIATE TO CONTROL EXPOSURE TO BELOW PERMISSIBLE LIMITS. Protective Gloves:VITRON/SILVER SHIELD FOR LIMITED SRVCS Eye Protection:SPLASH GOGGLES Other Protective Equipment:BOOT,APRON,CHEM SUIT WHEN NEEDED-PREVENT SKIN CONTACT. USE PERSONAL PROTECT CLOTH & USE OF EQUIP W/29CFR1910.132/133. Work Hygie

nic Practices:THOROUGHLY CLEAN CONTAMINATED CLOTHING AND SHOES BEFORE REUSE OR DISCARD.

Supplemental Safety and Health

DO NOT EAT,DRINK, SMOKE IN WORK AREA. MONITOR HANDLING/STORAGE/USE PROCEDURES TO AVOID SPILL/LEAK. ANY SPILL (IF SEVERE) HAS POTENTIAL TO CAUSE UNDERGRND WTR CONTAM. CONTAMINATION NOT EASILY CORREC TED.
RSPRTR MUST BE APPRVD BY NIOSH/MSHA. OBSERVE MFR/NIOSH/MSHA RSPRTR LIMITATION.

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

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CC:T4

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

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

Vapor Pres:135

Vapor Density:4.54

Spec Gravity:1.3-1.32(WTR=1)

pH:6-7.5

Evaporation Rate & Reference:0.35 (BU AC=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/Materials to Avoid:YES

AVOID MIXING W/CAUSTIC SODA, CAUSTIC POTASH OR 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 AND POSSIBLE TRACES OF PHOSGENE.

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

Waste Disposal Methods:DISPOSE CONTAM SAWDUST, VERMIC OR POROUS SURFACES IN PERMITTED HAZARDOUS WASTE FACILITY. TAKE CARE WHEN USING/DISPOSING OF CHEM MAT'LS/CNTNRS. DISPOSE OF IN ACCORD W/CLEAN

AIR/WATER ACT, RESOURCE CONSERVATION & RECOVERY ACT & FEDERAL, STATE OR LOCAL REGS.

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