

PROPYLENE OXIDE

MSDS Number

BBCTC

National Stock Number

6810-00D000472

Product Name

PROPYLENE OXIDE

Manufacturer

UNION CARBIDE CORP (CHEM COMMOD DISTR)

Product Identification

Product ID:PROPYLENE OXIDE

MSDS Date:01/01/1985

FSC:6810

NIIN:00D000472

MSDS Number: BBCTC

Responsible Party

UNION CARBIDE CORP.(CHEM. COMMOD.DISTR)

39 OLD RIDGEBURY RD

DANBURY , CT 06817-0001

US

Emergency Phone: 304-744-3487

Cage: 36346

Contractor

UNION CARBIDE CORP LINDE DIV

DANBURY, CT 06817-0001

US

800-822-4357; 304-744-3487

Cage: 36346

Ingredients

PROPYLENE OXIDE (SARA III)

CAS: 75-56-9

RTECS: TZ2975000

Fraction By Weight: 100%

OSHA PEL100 PPM

ACGIH TLV: 20 PPM; 9293

EPA Report Quantity: 100 LBS

DOT Report Quantity: 100 LBS

Hazards

Effects of Overexposure:HEADACHE,DIZZINESS,NAUSEA,VOMITING,LOSS OF CONSCIOUSNESS; EYES:IRRITATES; SKIN:MAY BURN

First Aid

First Aid:INHAL:REMOVE TO FRESH AIR GIVE ARTIFICIAL RESPIR. IF BREATHING STOPPED & THEN GIVE OXYGEN.CALL A DR.;EYE/SKIN;FLUSH W/PLENTY OF WATER. GET DR. ATTN. FOR EYES.REMOVE CONTAMINATED

CLOTHING, SHOES, & WASH UNDERLYING SKIN.

Fire Fighting

Flash Point: < 0 F
Lower Limits: 2.1
Upper Limits: 21.5
Extinguishing Media: SMALL FIRE: CARBON DIOXIDE OR DRY CHEM; LARGE FIRE: FOAM TYPE
Fire Fighting Procedures: NONE
Unusual Fire/Explosion Hazard: NONE

Accidental Release

Spill Release Procedures: FLUSH AWAY SPILLED MATERIAL WITH LARGE VOLUMES OF WATER

Handling

Handling and Storage Precautions: NONE; HOWEVER, DO KEEP IN COOL, DRY AREA AWAY FROM HEAT, SPARK & FLAME DURING TRANSPORTATION.
Other Precautions: NONE

Exposure Controls

Respiratory Protection: AIR-SUPPLIED MASK FOR CONC. ABOVE 2% BY VOLUME
Ventilation: LOCAL EXHAUST: PREFERABLE; MECHANICAL : ACCEPTABLE
Protective Gloves: PLASTIC TYPE
Eye Protection: VAPOR-PROOF GOGGLES
Supplemental Safety and Health

Chemical Properties

HCC: F2
Boiling Pt: B.P. Text: 93.7 F/34 C
Vapor Pres: 442
Vapor Density: >2
Spec Gravity: 0.83
Evaporation Rate & Reference: (BUAC = 1) = 33.7
Solubility in Water: 40.5 % E20C
Appearance and Odor: WATER-WHITE LIQUID; NONRESIDUAL ODOR.

Stability

Stability Indicator/Materials to Avoid: YES
CORROSIVE (ACIDS & ALKALIES), OXIDIZERS
Stability Condition to Avoid: SPARKS & FLAMES
Hazardous Decomposition Products: NONE
Conditions to Avoid Polymerization: CONTAMIN. W/ALKALIES, AQUEOUS ACIDS, AMINES, HI-TEMP, ACID

Disposal

Waste Disposal Methods: INCINERATE IN A FURNACE

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