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## **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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