

PROPYLENE OXIDE

MSDS Number

BBCBG

National Stock Number

6810-00D000001

Product Name

PROPYLENE OXIDE

Manufacturer

UNION CARBIDE CORP LINDE DIV

Product Identification

Product ID:PROPYLENE OXIDE

MSDS Date:01/01/1985

FSC:6810

NIIN:00D000001

MSDS Number: BBCBG

Responsible Party

UNION CARBIDE CORP, LINDE DIV

Emergency Phone: 212-551-4785

Cage: 8N493

Contractor

UNION CARBIDE CORP, LINDE DIV

Cage: 8N493

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:HDACHE, DIZZ, NAUSEA, VOMIT, LOSS OF CONSCIOUSNESS. LIQ IRRIT EYE, MAY CAUSE SKIN BURNS.

First Aid

First Aid:INH: REMOVE TO FRESH AIR, GIVE ARTIF RESP. IF BRTHNG STOPPED, GIVE OXYGEN. CALL MD. FLUSH SKIN/EYE CNTCT W/PLENTY OF WATER. GET MD FOR EYES. REMOVE CONTAM CLOTHING/SHOES. WASH UNDERLYING SKIN.

Fire Fighting

Flash Point:Lower Limits:2.1

Upper Limits:21.5

Extinguishing Media:CARBON DIOXIDE, DRY CHEM, ALCOHOL OR POLYMER FOAM

Fire Fighting Procedures:NONE

Unusual Fire/Explosion Hazard:NONE

Accidental Release

Spill Release Procedures:FLUSH AWAY SPILLED MATL W/LG VOLUMES OF WATER.

Handling

Handling and Storage Precautions:EXTREMELY FLAMMABLE. BRTHNG OF VAPOR
HARMFUL. LIQ MAY CAUSE EYE/SKIN IRRIT.

Exposure Controls

Respiratory Protection:AIR-SUPP MASK FOR CONC ABOVE 2% BY VOLUME
Ventilation:LOCAL EXH REC, MECH ACCEPTABLE
Protective Gloves:PLASTIC
Eye Protection:VAPOR-PROOF GOGGLES
Supplemental Safety and Health

Chemical Properties

HCC:F2
Boiling Pt:B.P. Text:93.7F
Vapor Pres:2
Vapor Density:2.0
Spec Gravity:0.8304
Evaporation Rate & Reference:BUTYL ACET = 1, 34
Solubility in Water:40.5
Appearance and Odor:WATER-WHITE LIQ, NONRESIDUAL ODOR
Percent Volatiles by Volume:100

Stability

Stability Indicator/Materials to Avoid:YES
ALKALIES, ACIDS
Stability Condition to Avoid:SPARKS, FLAMES
Hazardous Decomposition Products:NONE
Conditions to Avoid Polymerization:CONTAM W/ALKALIES, AQUEOUS ACIDS,
AMINES, HI TEMPS

Disposal

Waste Disposal Methods:INCINERATE IN FURNACE

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