

PROPYLENE OXIDE

MSDS Number

BBGCQ

National Stock Number

6810-00F000206

Product Name

PROPYLENE OXIDE

Manufacturer

POLYSCIENCES INC

Product Identification

Product ID:PROPYLENE OXIDE

MSDS Date:01/01/1985

FSC:6810

NIIN:00F000206

MSDS Number: BBGCQ

Responsible Party

POLYSCIENCES, INC.

Emergency Phone: 215/343-6484

Cage: DO539

Contractor

POLYSCIENCES, INC.

WARRINGTON, PA 18976

US

215-343-6484

Cage: DO539

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:MILD DEPRESSION OF CENTRAL NERVOUS SYSTEM-LUNG IRRITATION.

First Aid

First Aid:EYES AND SKIN: IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MIN. REMOVE CONTAMINATED CLOTHING, WATCH BANDS, RINGS, ETC. FOR EYES GET MEDICAL ATTN. INHALATION: IF ILL EFFECTS ARE EXPERIENCED, REMOVE TO FRESH AIR, GIVE ARTIF RESP.

Fire Fighting

Flash Point:< -20F T.C.C.

Lower Limits:3.1

Upper Limits:37.0
Fire Fighting Procedures:NONE
Unusual Fire/Explosion Hazard:IN ADVANCED MASSIVE FIRES, FIRE FIGHTING SHOULD BE DONE FROM SAFE DISTANCE OR PROTECTED LOCATION.

Accidental Release

Spill Release Procedures:IF A LEAK OR SPILL HAS NOT IGNITED, USE WATER SPRAY TO DISPENSE THE VAPORS. WASH DOWNWITH COPIOUS AMOUNTS OF WATER.

Handling

Handling and Storage Precautions:STORE IN COOL AREA. DO NOT EXPOSE DRUMS TO DIRECT SUN RAYS FOR EXTENDED PERIOD OF TIME. STORAGFACILITY SHOULD BE INSULATED AGNST FIRE EXPOSURE.
Other Precautions:AVOID BREATHING VAPORS. AVOID EYE CONTACT WITH VAPOR AND EYE & SKIN CONTACT WITH LIQUID OR DILUTIONS OF LIQUID.

Exposure Controls

Respiratory Protection:100PPM-2%:FULL FACE AND CANISTER; >2%:SELF CONTAINED BREATHING APPAR
Ventilation:SUFFICIENT TO CONTROL TO 100PPM OR LESS
Protective Gloves:IMPERVIOUS
Eye Protection:GAS TIGHT GOGGLES
Supplemental Safety and Health
PAUL VALLEY INDUSTRIAL PARK WARRINGTON, PA 18976

Chemical Properties

Boiling Pt:B.P. Text:93.6F
Vapor Pres:490
Vapor Density:2.0
Solubility in Water:59%
Appearance and Odor:COLORLESS, CHARACTERISTIC ODOR
Percent Volatiles by Volume:0.83

Stability

ACID-BASE OXIDIZING MATERIAL
Stability Condition to Avoid:ACID AND BASE TYPE CATALYSTS
Conditions to Avoid Polymerization:CONTACT WITH HIGHLY ACTIVE CATALYTIC SURFACES.

Disposal

Waste Disposal Methods:WATER SPRAY MAY BE USED TO FLUSH SPILLS AWAY AND TO DILUTE SPILLS TO NON-FLAMMABLE.

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