

ETHYLENE GLYCOL

MSDS Number

BFCND

National Stock Number

6810-00-526-2015

Product Name

ETHYLENE GLYCOL

Manufacturer

MALLINCKRODT INC SCIENCE PRODUCTS DIV

Product Identification

Product ID:ETHYLENE GLYCOL

MSDS Date:01/01/1987

FSC:6810

NIIN:00-526-2015

MSDS Number: BFCND

Responsible Party

MALLINCKRODT INC.,SCIENCE PRODUCTS DIVISION

Emergency Phone: 314 982 5000

Cage: 62910

Contractor

MALLINCKRODT SPECIALTY CHEMICALS CO

PHILLIPSBURG, NJ 08865

US

908-859-2151

Cage: 62910

Ingredients

ETHYLENE GLYCOL (SARA III)

CAS: 107-21-1

RTECS: KW2975000

Fraction By Weight: >99%

OSHA PELC 50 PPM

ACGIH TLV: C 50 PPM,VAPOR; 9192

EPA Report Quantity: 1 LB

DOT Report Quantity: 1 LB

Hazards

Effects of Overexposure:INH:DIZZ,HEAD,PULMONARY EDEMA;ING:CAUSES VOMIT,HEAD,LOW BLD PR;EYES/SKIN:MINOR/SEVERE IRRITATION.

First Aid

First Aid:INHAL:RMV TO FRESH AIR.GIVE CPR/OXYGEN IF BREATHING IS DIFFICULT.GET MD;INGEST:IMMED INDUCE VOMIT BY GIVING 2 GL OF WATER.NOTHING BY MOUTH IF UNCONSCIOUS.GET MD IMMED;SKIN/EYES:FLUSH IMMED W/LG QTY H* 20 FOR 15 MIN.RMV CONTMNTD CLOTHES.GET MED ATTN.

Fire Fighting

Flash Point:110C(230F)

Lower Limits:3.2

Upper Limits:15.3
Extinguishing Media:ALCOHOL FOAM,WATER,CO*2,DRY CHEMICAL.WATER/FOAM MAY FROTH.
Fire Fighting Procedures:WEAR SELF-CNTD BRTHG,APP H*20 SPRAY TO COOL CONTR.
Unusual Fire/Explosion Hazard:MODERATE HAZARD WHEN EXPOSED TO HEAT OR FLAME

Accidental Release

Spill Release Procedures:VENTILATE AREA OF SPILL.CLEAN UP PERSONS NEED PROTECTV CLOTHG/RESP PROTECTION FM VAP.COLLECT LIQUID & PLACE IN A SUITABLE CONTAINER FOR RECOVERY OR DISPOSAL.WASH RESIDUE & SMALL SPILLS TO SEWER W/COPIOU S AMTS OF WATER.REMOVE ALL SOURCES OF IGNITION.

Handling

Handling and Storage Precautions:KEEP IN TIGHTLY CLOSED CONTNRS AT COOL,DRY, VENTILATED PLACE. PROTECT AGAINST PHY DAMAGE.
Other Precautions:AVOID BREATHING MIST.USE W/ADEQUATE VENTILATION.KEEP CONTAINERS CLOSED.WASH THOROUGHLY AFTER HANDLING.AVOID SKIN,EYES & CLOTHING CONTACT.DO NOT EAT IN WORK AREA.

Exposure Controls

Respiratory Protection:FULL FACE RESPIRATOR
Ventilation:LOCAL EXHAUST TO MAINTN BELOW TLV.
Protective Gloves:IMPERVIOUS
Eye Protection:GOGGLES/FACE SHIELD
Other Protective Equipment:FULL PROTECTIVE CLOTHING,SAFETY SHOWER,EYE WASH STATION
Supplemental Safety and Health
MSDS FROM MFR DATED 01/28/85,CONFORMS TO OSHA HAZ COMM STD; SP GRAVITY RANGE:1.112-1.115

Chemical Properties

HCC:V5
Boiling Pt:B.P. Text:193C(379F)
Vapor Pres:.05
Vapor Density:2.14
Spec Gravity:1.1135
Evaporation Rate & Reference:1.0(CCL*4=1)
Solubility in Water:COMPLETE
Appearance and Odor:COLORLESS LIQID.ODORLESS

Stability

Stability Indicator/Materials to Avoid:YES
STRONG OXIDIZERS,CORROSIVE MATL;OLEUM,H*2SO*4,HCL*4,ETC.
Stability Condition to Avoid:IGNITION & MOISTURE SOURCES.
Hazardous Decomposition Products:OXIDES OF NITROGEN & CARBON WHEN IGNITED IN AIR.

Disposal

Waste Disposal Methods:WHATEVER CANNOT BE SAVED FOR RECLAMATION MAY BE DISPOSD AS HAZ WASTE IN A RCRA APPRVD WASTE DISPOSAL FACILITY OR MIX WITH A MORE FLAMMABLE SOLVENT AND ATOMIZE IN AN APPROVED INCINERATION.ENSURE COMPLI ANCE W/LOCAL,,STATE, & FEDERAL REGULATIONS.

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