

ETHYLENE GLYCOL

MSDS Number

BCVBS

National Stock Number

6810-00-006-4206

Product Name

ETHYLENE GLYCOL

Manufacturer

MALLINCKRODT INC SCIENCE PRODUCTS DIV

Product Identification

Product ID:ETHYLENE GLYCOL

MSDS Date:01/01/1987

FSC:6810

NIIN:00-006-4206

MSDS Number: BCVBS

Responsible Party

MALLINCKRODT INC.,SCIENCE PRODUCTS DIVISION

Emergency Phone: 314 982 5000

Preparer: NOT PROVIDED

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: =110.C, 230.F
Lower Limits: 3.2
Upper Limits: 15.3
Extinguishing Media: ALCOHOL FOAM, WATER, CO₂, DRY CHEMICAL. WATER/FOAM MAY FROTH.
Fire Fighting Procedures: WEAR SELF-CNTD BRTHG, APP H₂O 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 PROTCTION 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
NRC/State Lic Num: NOT RELEVANT
Boiling Pt: =192.8C, 379.F
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, H₂SO₄, 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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