

ETHYLENE GLYCOL,

MSDS Number

BCVBK

National Stock Number

6810-00-006-4205

Product Name

ETHYLENE GLYCOL,

Manufacturer

MALLINCKRODT INC SCIENCE PRODUCTS DIV

Product Identification

Product ID:ETHYLENE GLYCOL,

MSDS Date:01/01/1987

FSC:6810

NIIN:00-006-4205

MSDS Number: BCVBK

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:=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,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.

Disclaimer (provided with this information by the compiling agencies):
This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.