

MALLINCKRODT INC.,SCIENCE PRODUCTS DIVISION -- ETHYLENE GLYCOL -- 6810-00-006-4206
===== Product Identification =====

Product ID:ETHYLENE GLYCOL

MSDS Date:01/01/1987

FSC:6810

NIIN:00-006-4206

MSDS Number: BCVBS

=== Responsible Party ===

Company Name:MALLINCKRODT INC.,SCIENCE PRODUCTS DIVISION

Emergency Phone Num:314 982 5000

Preparer's Name:NOT PROVIDED

CAGE:62910

=== Contractor Identification ==

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Company Name:MALLINCKRODT SPECIALTY CHEMICALS CO

Address:222 RED SCHOOL LANE

Box:City:PHILLIPSBURG

State:NJ

ZIP:08865

Country:US

Phone:908-859-2151

CAGE:62910

===== Composition/Information on Ingredients =====

Ingred Name:ETHYLENE GLYCOL (SARA III)

CAS:107-21-1

RTECS #:KW2975000

Fraction by Wt: >99%

OSHA PEL:C 50 PPM

ACGIH TLV:C 50 PPM,VAPOR; 9192

EPA Rpt Qty:1 LB

DOT Rpt Qty:1 LB

===== Hazards Identification =====

Effects of Overexposur

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

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===== First Aid Measures =====

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.

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===== Fire Fighting Measures =====

Flash Point:=110.C, 230.F
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

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===== Accidental Release Measures =====

Spill Release Procedures:VENTILATE AREA OF SPILL.CLEAN UP PERSONS NEED
PROTCTV 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.

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===== Handling and Storage =====

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 HANDLI
NG.AVOID SKIN,EYES &
CLOTHING CONTACT.DO NOT EAT IN WORK AREA.

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===== Exposure Controls/Personal Protection =====

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:1.112-1.1

===== Physical/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 and Reactivity Data =====

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 Considerations =====

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 COMPLIANCE W/LOCAL,,STATE, & FEDERAL
REGULATIONS.

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