

ETHYLENE GLYCOL, 9140

MSDS Number

BMRWR

National Stock Number

6810-00N027351

Product Name

ETHYLENE GLYCOL, 9140

Manufacturer

J T BAKER COMPANY

Product Identification

Product ID:ETHYLENE GLYCOL, 9140

MSDS Date:05/27/1988

FSC:6810

NIIN:00N027351

MSDS Number: BMRWR

Responsible Party

J.T. BAKER COMPANY

222 RED SCHOOL LANE

PHILLIPSBURG , NJ 08865-2219

US

Emergency Phone: 201-859-2151

Info Phone: 201-859-2151

Cage: 70829

Contractor

MALLINCKRODT BAKER, INC.

PHILLIPSBURG, NJ 08865

US

800-582-2537

Cage: 70829

Ingredients

ETHYLENE GLYCOL (SARA III)

CAS: 107-21-1

RTECS: KW2975000

Fraction By Weight: 99-100%

OSHA PEL50 PPM, C

ACGIH TLV: 50 PPM, C

EPA Report Quantity: 1 LB

DOT Report Quantity: 1 LB

Hazards

LD50 LC50 Mixture:LD50: (ORAL RAT) 4700 MG/KG

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:INHAL OF VAPS MAY CAUSE HEADACHE,
NAUS, VOM, DIZZ, DROWSINESS, IRRIT OF RESP TRACT, & UNCONSCIOUS.
LIQ MAY BE IRRIT TO SKIN & EYES. SKIN ABSORP MAY BE HARMFUL. INGEST

IS HARMFUL & MAY BE FATAL. INGEST MAY CAUSE NAUS/VOM/HEADACHES, DIZZ, GIIRIT, CONVULSIONS, RESP FAILURE, CNS DEPRESS & UNCONSCIOUS. (EFTS OF OVEREXP)

Explanation of Carcinogenicity:NOT RELEVANT

Effects of Overexposure:HLTH HAZ: CHRONIC EFFECTS OF OVEREXPOSURE MAY INCLUDE DAMAGE TO KIDNEYS, LIVER, LUNGS, BLOOD, OR CENTRAL NERVOUS SYSTEM. TARGET ORGANS:RESPIRATORY SYSTEM, LUNGS, LIVER, KIDNEYS, BLOOD, CNS, GI TRACT.

Medical Cond Aggravated by Exposure:NONE IDENTIFIED.

First Aid

First Aid:CALL A PHYSICIAN. INGEST:IF CONSCIOUS, GIVE LARGE AMOUNTS OF WATER. INDUCE VOMITING. INHAL:REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN. E YE:IMMEDIATELY FLUSH EYE WITH PLENTY OFWATER FOR AT LEAST 15 MINUTES. SKIN:FLUSH SKIN WITH WATER.

Fire Fighting

Flash Point Method:CC

Flash Point:232F,111C

Lower Limits:3.2

Upper Limits:15.3

Extinguishing Media:USE WATER SPRAY, ALCOHOL FOAM, DRY CHEMICAL OR CARBON DIOXIDE.

Fire Fighting Procedures:MOVE CNTNRS FROM FIRE AREA IF IT CAN BE DONE W/OUT RISK. USE H*2O TO KEEP FIRE-EXPOS CNTNRS COOL. WEAR NIOSH/MSHA APPRVD POS PRESS SCBA & FULL PROT EQUIP.

Unusual Fire/Explosion Hazard:NONE SPECIFIED BY MANUFACTURER.

Accidental Release

Spill Release Procedures:WEAR SUITABLE PROT CLTHG. TAKE UP WITH SAND OR OTHER NONCOMBUSTIBLE ABSORBENT MATERIAL AND PLACE INTO CONTAINER FOR LATER DISPOSAL. FLUSH SPILL AREA WITH WATER.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

Handling

Handling and Storage Precautions:KEEP CONTAINER TIGHTLY CLOSED. SUITABLE FOR ANY GENERAL CHEMICAL STORAGE AREA. ISOLATE FROM INCOMPATIBLE MATERIALS.

Other Precautions:AVOID CONTACT WITH EYES, SKIN, CLOTHING. AVOID BREATHING VAPORS. USE WITH ADEQUATE VENTILATION. WASH THOROUGHLY AFTER HANDLING.

Exposure Controls

Respiratory Protection:RESPIRATORY PROTECTION REQUIRED IF AIRBORNE CONCENTRATIONS EXCEEDS TLV. AT CONCENTRATION ABOVE 50 PPM, A NIOSH/MSHA APPROVED SELF CONTAINED BREATHING APPARATUS IS ADVISED.

Ventilation:USE GENERAL OR LOCAL EXHAUST VENTILATION TO MEET TLV REQUIREMENTS.

Protective Gloves:RUBBER GLOVES.

Eye Protection:CHEMICAL WORKERS GOGGLES .

Other Protective Equipment:UNIFORM, AND APRON ARE RECOMMENDED.

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING.

Supplemental Safety and Health

NONE SPECIFIED BY MANUFACTURER.

Chemical Properties

HCC:N1

Boiling Pt:B.P. Text:387F,197C

Melt/Freeze Pt:M.P/F.P Text:9F,-13C

Vapor Pres:0.06

Vapor Density:2.1

Spec Gravity:1.12 (H*20=1)

Evaporation Rate & Reference:0.01 (BUTYL ACETATE=1)

Solubility in Water:COMPLETE

Appearance and Odor:COLORLESS, SLIGHTLY VISCOUS LIQUID. MILD ODOR.

Percent Volatiles by Volume:100

Stability

Stability Indicator/Materials to Avoid: YES

STRONG OXIDIZING AGENTS, STRONG ACIDS, POLYMERIZATION CATALYSTS & ACCELERATORS, SULFURIC ACID, NITRIC ACID

Stability Condition to Avoid: HEAT, FLAME, OTHER SOURCES OF IGNITION.

Hazardous Decomposition Products: CARBON MONOXIDE, CARBON DIOXIDE

Disposal

Waste Disposal Methods: DISPOSE IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL ENVIRONMENTAL REGULATIONS.

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