

J.T.BAKER CHEMICAL CO -- ETHYLENE GLYCOL; PRODUCT CODES 5387, 9140, --  
6810-00-890-2091

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Product Identification  
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Product ID:ETHYLENE GLYCOL; PRODUCT CODES 5387, 9140,

MSDS Date:11/25/1986

FSC:6810

NIIN:00-890-2091

MSDS Number: BMSXR

=== Responsible Party ===

Company Name:J.T.BAKER CHEMICAL CO

Address:222 RED SCHOOL LANE

City:PHILLIPSBURG

State:NJ

ZIP:08865

Country:US

Info Phone Num:90

8-859-2151

Emergency Phone Num:908-859-2151

CAGE:DO870

=== Contractor Identification ===

Company Name:J.T.BAKER CHEMICAL CO.

Address:222 RED SCHOOL LANE

City:PHILLIPSBURG

State:NJ

ZIP:08865-2219

Country:US

Phone:201-859-2151

CAGE:DO870

Company Name:MALLINCKRODT BAKER, INC.

Address:222 RED SCHOOL LANE

Box:City:PHILLIPSBURG

State:NJ

ZIP:08865

Country:US

Phone:800-582-2537

CAGE:70829

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Composition/Information on Ingredients  
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Ingred Name:ETHYLENE GLYCOL (SARA III)

CAS:

107-21-1  
RTECS #:KW2975000  
Fraction by Wt: 90-100%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:C 50 PPM  
ACGIH TLV:C 50 PPM,VAPOR; 9192  
EPA Rpt Qty:1 LB  
DOT Rpt Qty:1 LB

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

LD50 LC50 Mixture:ACUTE ORAL LD50 (RAT) IS 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:PRODUCT CAUSES MILD IRRITATION OF BODY  
TISSUES. IT DEPRESSES  
THE CENTRAL NERVOUS SYSTEM AND MAY CAUSE  
KIDNEY AND LIVER DAMAGE. IT MAY BE FATAL IF INGESTED.  
Explanation of Carcinogenicity:PRODUCT IS NOT LISTED AS A CARCINOGEN BY  
IARC, NTP, OR OSHA.  
Effects of Overexposure:EYE:SEVERE IRRITATION. SKIN:MILD IRRITATION,  
SKIN ABSORPTION MAY BE HARMFUL. INHALED:RESPIRATORY IRRITATION,  
CENTRAL NERVOUS SYSTEM DEPRESSION, HEADACHE,DIZZINESS, ETC.  
INGESTED:G/I IRRITATION AND DI STRESS, NAUSEA, CENTRAL NERVOUS  
SYSTEM DEPRESSION. MAY CAUSE LIV  
ER AND/OR KIDNEY DAMAGE IF IN  
SUFFICIENT AMOUNT.  
Medical Cond Aggravated by Exposure:NO INFORMATION GIVEN ON MSDS BY  
SUPPLIER

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

First Aid:EYE:FLUSH W/ WATER 15 MIN HOLD LIDS OPEN. SKIN:REMOVE  
CONTAMINATED CLOTHING AND LAUNDER BEFORE REUSE. WASH WITH SOAP &  
WATER. INHALED:REMOVE TO FRESH AIR. RESTORE BREATHING IF  
NECESSARY. INGESTED:G IVE 2 GLASSES WATER AND INDUCE VOMITING.  
NOTHING BY MOUTH IF UNCONSCI  
OUS. GET IMMEDIATE MEDICAL CARE. IF  
IRRITATION PERSISTS,OR IS SEVERE,SEE A DOCTOR.

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

Flash Point Method:CC  
Flash Point:232F,111C  
Lower Limits:3.2  
Upper Limits:15.3  
Extinguishing Media:USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY  
CHEMICAL.  
Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A  
FULL FACED SELF CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED  
CONTAINERS WITH WATER SPRAY.  
Unusual Fire

/Explosion Hazard:COMBUSTION OR HEAT OF FIRE MAY PRODUCE  
HAZARDOUS DECOMPOSITION PRODUCTS AND VAPORS.

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

Spill Release Procedures:WEAR SUITABLE PROTECTIVE CLOTHING. TAKE UP  
WITH SAND OR OTHER NONCOMBUSTIBLE ABSORBENT MATERIAL AND PLACE INTO  
A CONTAINER FOR LATER DISPOSAL. FLUSH SPILL AREA WITH WATER.  
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER. WATER DILUTION  
RECOMMENDED.

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

Handling and Storage Precautions:STORAGE COLOR CODE ORANGE. KEEP  
CONTAINER TIGHTLY CLOSED. SUITABLE FOR ANY GENERAL CHEMICAL  
STORAGE.

Other Precautions:NO INFORMATION GIVEN ON MSDS BY SUPPLIER

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

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

Ventilation

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

Protective Gloves:RUBBER GLOVESYILE, PVC OR NATURAL RUBBER

Eye Protection:SAFETY GOGGLES

Other Protective Equipment:UNIFORM AND APRON ARE RECOMMENDED

Work Hygienic Practices:NO INFORMATION GIVEN ON MSDS BY SUPPLIER

Supplemental Safety and Health

NONE

===== Physical/Chemical Properties =====

HCC:V5

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

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

Vapor Pres:0.06 MM

Vapor Density

:2.1  
Spec Gravity:1.12  
Evaporation Rate & Reference:0.01 (N-BUTYL ACETATE = 1  
Solubility in Water:COMPLETE  
Appearance and Odor:COLORLESS SLIGHTLY VISCOUS LIQUID WITH A MILD ODOR  
Percent Volatiles by Volume:100

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES  
STRONG OXIDIZING AGENTS, STRONG ACIDS, POLYMERIZATION CATALYSTS AND  
ACCELERATORS

Stability Condition to Avoid:HIGH HEAT, OPEN FLAMES AND OTHER SOURCES  
OF IGNITION

Ha  
azardous Decomposition Products:CARBON MONOXIDE, CARBON DIOXIDE

===== Disposal Considerations =====

Waste Disposal Methods:DISPOSE I/A/W ALL FEDERAL, STATE AND LOCAL  
REGULATIONS. MANUFACTURER MAKES NO SUGGESTIONS AS TO METHOD OF  
DISPOSAL.

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