

## **GLYCOL ETHER, EM**

### **MSDS Number**

BNBQD

### **National Stock Number**

6850-00-082-2522

### **Product Name**

GLYCOL ETHER, EM

### **Manufacturer**

VAN WATERS AND ROGERS

### **Product Identification**

Product ID:GLYCOL ETHER, EM

MSDS Date:03/21/1991

FSC:6850

NIIN:00-082-2522

MSDS Number: BNBQD

### **Responsible Party**

VAN WATERS AND ROGERS

1600 NORTH BLDG.

SEATTLE , WA 98104-1564

US

Emergency Phone: 408-435-8700 OR 303-338-5651

Info Phone: 408-435-8700

Cage: 87664

### **Contractor**

VAN WATERS AND ROGERS INC., UNIVAR CORP.

SEATTLE, WA 98104-1564

US

206-447-5911/800-424-9300(CHEMTREC)

Cage: 87664

### **Ingredients**

2-METHOXYETHANOL (EGME) (SARA III)

CAS: 109-86-4

RTECS: KL5775000

Fraction By Weight: >99.0%

OSHA PELs, 25 PPM

ACGIH TLV: S, 5 PPM; 9192

### **Hazards**

LD50 LC50 Mixture:LD50 (ORAL RAT) IS 2,460 GM/KG

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

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

Health Hazards Acute and Chronic:ACUTE:IRRITATION OF EYES,SKIN,RESPIRATORY OR G.I.TRACTS;CNS EFFECTS LIKE HEADACHE,DIZZINESS,NAUSEA,VOMITING AND POSSIBLE

UNCONSCIOUSNESS;REDNESS OR BURNS OF EYES/SKIN

POSSIBLE.CHRONIC:DRYING OF SKIN,D EFATTING OR DERMATITIS,CNS

EFFECTS,BLOOD CHANGES,LIVER AND KIDNEY DAMAGE. LAB ANIMALS EXPOSED

TO PRODUCT SHOW FETAL EFFE

Explanation of Carcinogenicity:DATA PER MSDS

Effects of Overexposure:EYE: IRRITATION. SKIN:POSSIBLE IRRITATION, ABSORPTION SHOWS EFFECTS SIMILAR TO INHALED. INHALED:DIZZINESS, HEADACHE, VOMITING OTHER CENTRAL NERVOUS SYSTEM EFFECTS. INGESTED: HEADACHE, DIZZINESS, NAUSE A, VOMITING, CONFUSION, POSSIBLE KIDNEYDAMAGE.

Medical Cond Aggravated by Exposure:PEOPLE WITH ASTHMA, AAND INFLAMMATORY OR FIBROTIC PULMONARY DISEASE

## First Aid

First Aid:INHALATION:REMOVE TO FRESH AIR. RESUSCITATE IF NOT BREATHING. GET MEDICAL ATTENTION. EYES:IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR 15 MINUTES HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION. SKIN: REMOV E CONTAMINATED CLOTHING. WASH WITH SOAPAND WATER. IF IRRITATION PERSISTS, GET MEDICAL ADVICE. INGESTION:DO NOT INDUCE VOMITING. GIVE NOTHING BY MOUTH IF UNCONSCIOUS. GET IMMEDIATE MEDICAL ATTENTION.

## Fire Fighting

Flash Point Method:TCC

Flash Point:103F,39C

Lower Limits:2.5

Upper Limits:19.8

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

Fire Fighting Procedures:FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE. USE WATER SPRAY TO COOL NEARBY CONTAINERS EXPOSED TO FIRE.

Unusual Fire/Explosion Hazard:VAPORS ARE HEAVIER THAN AIR AND MAY TRAVEL ALONG GROUND OR FLOOR, THEN 'FLASH BACK' FROM A DISTANT IGNITION SOURCE. IGNITION MAY OCCUR BELOW AUTOIGNITATION TEMP

## Accidental Release

Spill Release Procedures:USE PROPER PERSONAL PROTECTION, AND ELIMINATE IGNITION SOURCES. SMALL SPILL,USE SUITABLE INERT ABSORBENT MATERIAL AND RECOVER FOR PROPER DISPOSAL IN AN APPROVED CONTAINER. LARGE SPILL, DIKE, RECOVER L IQUID, ABSORB REMAINDER & PLACE IN CONTAINER.

Neutralizing Agent:NOT APPLICABLE.

## Handling

Handling and Storage Precautions:STORE IN A COOL, DRY, WELL VENTILATED AREA. KEEP CONTAINERS TIGHTLY CLOSED WHEN NOT IN USE.KEEP AWAY FROM HEAT,OPEN FLAMES AND SPARKS.

Other Precautions:'EMPTY' CONTAINERS MAY CONTAIN RESIDUE OR VAPOR. TREAT THEM WITH THE RESPECT DUE FULL ONES. DO NOT CUT,WELD,ETC. ON THEM. GROUND CONTAINERS DURING TRANSFER OF LIQUID. NOT FOR USE IN CONSUMER PRODUCTS .

## Exposure Controls

Respiratory Protection:USE NIOSH/MSHA APPROVED SUPPLIED AIR RESPIRATOR OR SCBA AS REQUIRED IF ABOVE PEL/TLV OR IN AN ENCLOSED AREA.

Ventilation:CONFINED PRODUCT IN COVERED EQUIPMENT. GENERAL VENTILATION IS LIKELY ADEQUATE. ADD LOCAL EXHAUST WHERE VAPORS ARE EXPECTE

Protective Gloves:NEOPRENE, NITRILE, OR NATURAL RUBBER

Eye Protection:SAFETY GOGGLES WITH OPTIONAL FACE SHIELD

Other Protective Equipment:EYE WASH STATION AND SAFETY SHOWER,WORK CLOTHING, SAFETY SHOES AND RUBBER APRON AS REQUIRED.

Work Hygienic Practices:USE GOOD CHEMICAL HYGIENE PRACTICE. AVOID UNNECESSARY CONTACT. WASH THOROUGHLY BEFORE EATING OR DRINKING.

Supplemental Safety and Health

AVOID PROLONGED OR REPEATED EXPOSURE. DO NOT GET ON SKIN OR IN EYES. DO NOT BREATHE VAPORS OR MISTS. DO NOT STORE IN ALUMINUM CONTAINERS.

## Chemical Properties

HCC:F4

Boiling Pt:B.P. Text:256F,124C  
Melt/Freeze Pt:M.P/F.P Text:-121F,-85C  
Vapor Pres:6  
Vapor Density:2.62  
Spec Gravity:0.966  
Evaporation Rate & Reference:0.6(N-BUTYL ACETATE = 1)  
Solubility in Water:100 %  
Appearance and Odor:CLEAR,COLORLESS LIQUID,MILD ODOR.

## Stability

Stability Indicator/Materials to Avoid:YES  
STRONG OXIDIZING AGENTS,ALKALIES.WATER,ALUMINUM,ZINC. MAGNESIUM.  
Stability Condition to Avoid:HIGH TEMPERATURES, SPARKS, AND OPEN  
FLAMES, MOISTURE  
Hazardous Decomposition Products:CARBON MONOXIDE, CARBON DIOXIDE AND  
OTHER UNIDENTIFIED COMPONENTS.

## Disposal

Waste Disposal Methods:KEEP OUT OF SEWERS, STORM DRAINS, SURFACE WATERS  
AND SOIL. DISPOSE I/A/W ALL FEDERAL, STATE AND LOCAL REGULATIONS.  
MANUFACTURER MAKES NO SUGGESTIONS AS TO METHOD OF DISPOSAL.

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