

UNI-KEM INTERNATIONAL CORPORATION/MFR OXYCHEM -- GLYCOL ETHER EE --
6810-00-285-4309

===== Product Identification =====

Product ID:GLYCOL ETHER EE

MSDS Date:03/01/1990

FSC:6810

NIIN:00-285-4309

MSDS Number: BLTXT

=== Responsible Party ===

Company Name:UNI-KEM INTERNATIONAL CORPORATION/MFR OXYCHEM

Address:513 HICKORY AVENUE

City:HARAHAN

State:LA

ZIP:70123

Country:US

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CAGE:4S446

=== Contractor Identification ===

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Box:City:METAIRIE

State:LA

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CAGE:4S446

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

Ingred Name:2-ETHOXYETHANOL (EGEE) (SARA III)/ETHYLENE GLYCOL
MONOETHYL ETHER

CAS:110-80-5

RTECS #:KK8050000

Fraction by Wt: > 95

%
Other REC Limits:NONE SPECIFIED
OSHA PEL:S,200 PPM
ACGIH TLV:S, 5 PPM; 9192
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

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

LD50 LC50 Mixture:LD50 (ORAL RAT) IS 3000-5500 MG/KG
Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE-EYE:PAIN &
CONJUNCTIVITIS.SKIN:SLIGHT IRRITATION.CAN BE ABSORBED IN TOXIC
AMOUNT.INHALED:CAN CAUSE IRRITATION,LIVER & KIDNEY INJURY,BLOOD
CHANGES,HEADACHE,DROWSINESS,WEAKNESS,SLURRED SPEECH,STUTTERING,
BLURRED VISION,UNCONSCIOUSNESS &EVEN DEATH.INGESTED:CONFUSION,
KIDNEY & LIVER INJURY.CHRONIC-ANIMAL TOXICITY.
Effects of Overexposure:EYE PAIN & CONJUNCTIVITIS. SLIGHT SKIN
IRRITATION. CAN BE ABSORBED IN TOXIC AMOUNT THROUGH SKIN.
INHALATION CAN CAUSE IRRITATION, LIVER & KIDNEY INJURY, BLOOD
CHANGES, HEADACHE, DROWSINESS, WEAKNESS, SLURRED SPEECH,
STUTTERING, BLUR RED VISION, UNCONSCIOUSNESS & EVEN DEATH. INGESTED:
CONFUSION, KIDNEY & LIVER INJURY.
Medical Cond Aggravated by Exposure:PRE-EXISTING LIVER, KIDNEY, CENTRAL
NERVOUS SYSTEM AND BLOOD DISORDERS SHOULD AVOID CONTACT WITH THIS
MATERIAL.

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

First Aid:SEEK MEDICAL ATTENTION IN ALL CASES.INHALED:REMOVE TO FRESH
AIR.HAVE QUALIFIED PERSONNEL GIVE CPR/OXYGEN IF NEEDED.EYES:FLUSH
WITH WATER FOR 15 MINUTES,HOLDING EYELIDS OPEN.SKIN:WASH WITH SOAP
& WATER .INGESTION:IF CONSCIOUS,DRINK 1-2 GLASSES OF WATER & INDUCE
VOMITING BY STICKING FINGER DOWN THROAT.TAKE IMMEDIATELY TO A
HOSPITAL OR A PHYSICIAN.

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

Flash Point Method:TCC
Flash Point:110F,43C
Autoignition Temp:Autoignition Temp Text:455F
Lower Limits:1.8
Upper Limits:14
Extinguishing Media:USE WATER FOG, CARBON DIOXIDE, ALCOHOL FOAM, OR DRY
CHEMICAL.
Fire Fighting Procedures:

WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A FULL FACED SELF CONTAINED BREATHING APPARATUS IN + PRESSURE MODE. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY.

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

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

Spill Release Procedures:FIRE HAZARD:ELIMINATE ALL SOURCES OF IGNITION. EVACUATE AREA. VENTILATE AREA. STOP RELEASE. DIKE TO CONTAIN SPILL.

WEAR PROPER SAFETY EQUIPMENT. IF AMOUNT IS LARGE, REMOVE LIQUID BY VACUUM. IF SMALL, ABSORB ON INERT MATERIAL. AVOID ENTERING TO SEWERS

Neutralizing Agent:NOT APPLICABLE.

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

Handling and Storage Precautions:STORAGE-KEEP CONTAINERS IN COOL, DRY, VENTILATED AREA AWAY FROM HEAT, SPARKS & STRONG OXIDANTS.

Other Precautions:EMPTY CONTAINERS MAY RETAIN RESIDUE AND CAN BE DANGEROUS. DO NOT PRESSURIZE

, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH.

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

Respiratory Protection:IF AIRBORNE CONCENTRATION EXCEED ESTABLISHED EXPOSURE LIMITS, USE MSHA/NIOSH APPROVED RESPIRATORY EQUIPMENT-AIR PURIFYING WITH ORGANIC VAPOR CARTRIDGES;AIR SUPPLIED.FOR EMERGENCIES USE POSITIVE PRESSURE SELF-CONTAINED BREATHING APPARATUS.

Ventilation:MECHANICAL(GENERAL) ROOM VENTILATION IS NORMALLY ADEQUATE. LOCAL EXHAUST MAY BE REQUIRED IF VAPORS ESCAPE TO WORK PLACE.

Protective Gloves:BUTYL

Eye Protection:SAFETY GLASSES/GOGGLES/FACE SHIELD

Other Protective Equipment:EYE WASH STATION, SAFETY SHOWER AND IMPERVIOUS CLOTHING

Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. DO NOT WEAR CONTAMINATED CLOTHING OR FOOTWEAR.

Supplemental Safety and Health
DO

NOT BREATHE VAPOR OR MIST. AVOID CONTACT WITH EYES AND SKIN. DO NOT CONSUME FOOD, DRINK, OR TOBACCO IN AREA WHERE THEY MAY BECOME CONTAMINATED WITH THIS MATERIAL.

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

HCC:F4

Boiling Pt:B.P. Text:275F

Melt/Freeze Pt:M.P/F.P Text:-130F,-90C

Vapor Pres:3.8 @ 20C

Vapor Density:3.10

Spec Gravity:0.931

Solubility in Water:MISCIBLE

Appearance and Odor:COLORLESS, OILY LIQUID WITH SWEETISH, MILD ETHER ODOR

Percent Volatiles b

y Volume:100

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS AND BASES

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

Hazardous Decomposition Products:ACRID SMOKE AND IRRITATING FUMES, CARBON MONOXIDE AND/OR CARBON DIOXIDE

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

Waste Disposal Methods:DISPOSAL SHOULD BE MADE IN ACCORDANCE WITH ALL

APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS.INCINERATE IN FURNACE WHERE PERMITTED. KEEP OUT OF DRAINS, SEWERS OR WATERWAYS.DISCARDED PRODUCT IS A RCRA HAZARDOUS WASTE (U359, D001).

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