

KMCO INC. -- GLYCOL, 1,2-ETHANEDIOL (MEG, EG, ANTIFREEZE) -- 6850-00-664-1403

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

Product ID:GLYCOL, 1,2-ETHANEDIOL (MEG, EG, ANTIFREEZE)

MSDS Date:02/01/1996

FSC:6850

NIIN:00-664-1403

Status Code:A

MSDS Number: CKQPC

=== Responsible Party ===

Company Name:KMCO INC.

Address:18503 RAMSEY ROAD

City:CROSBY

State:TX

ZIP:77535

Country:US

Info Phone Num:1-713-328-3501

Emergency Phone Num:(800)424-9300

Chemtrec Ind/Phone:(800)424-9300

CAGE:KMC0I

=== Contractor Identification ===

Company Name:KMCO INC.

Address:18503 RAMSEY ROAD

Box:City:CROSBY

State:TX

ZIP:77535

Country:US

Phone:1-713-328-3501

CAGE:KMC0I

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

Ingred Name:GLYCOL 1,2-ETHANEDIOL

CAS:107-21-1

RTECS #:KW2975000

Minumum % Wt:84.

Maxumum % Wt:94.

OSHA PEL:50 PPM

ACGIH TLV:10 MG/M3

ACGIH STEL:20 MG/M3

EPA Rpt Qty:1 LB

DOT Rpt Qty:1 LB

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

Health Hazards Acute and Chronic:REPEATED INGESTION MAY CAUSE KIDNEY DAMAGE.

Effects of Overexposure:INHALATION: VAPORS ARE MILDLY TO MARKEDLY IRRITATING TO THE LUNGS DEPENDING ON THE EXPOSURE LEVEL. INGESTION: MAY BE HARMFUL OR FATAL IS SWALLOWED. MAY PRODUCE CENTRAL NERVOUS SYSTEM (CNS) DEPRESSION AND KIDNEY DAMAGE WHICH MAY BE FATAL. SKIN AND EYE CONTACT: NO ADVERSE EFFECTS ARE EXPECTED WITH EXPOSURE TO SKIN. BRIEF CONTACT MAY CAUSE SLIGHT IRRITATION. PROLONGED CONTACT, AS WITH CLOTHING WETTED WITH MATERIAL MAY CAUSE MORE SEVERE IRRITATION AND DISCOMFORT. SEEN AS LOCAL REDNESS AND SWELLING. PRODUCT IS MODERATELY TO SEVERELY IRRITATING TO THE EYES. VAPORS CAN ALSO CAUSE SEVERE EYE IRRITATION.

Medical Cond Aggravated by Exposure:PRE-EXISTING SKIN, EYE AND RESPIRATORY DISORDERS MAY BE AGGRAVATED BY EXPOSURE TO THIS PRODUCT. IMPAIRED KIDNEY FUNCTION FROM PRE-EXISTING DISORDERS MAY BE AGGRAVATED BY EXPOSURE TO THIS PRODUCT.

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

First Aid:INHALATION:REMOVE VICTIM TO FRESH AIR,IF NOT BREATHING GIVE ARTIFICIAL RESPIRATION.GET MEDICAL ATTENTION.FLUSH EYE WITH LARGE AMOUNT OF WATER FOR AT LEAST 15 MINUTES WHILE HOLDING EYELIDS OPEN.GET MEDICAL ATTENTION IF DISCOMFORT PERSISTS.SKIN CONTACT:FLUSH SKIN WITH WATER.INGESTION:DO NOT GIVE LIQUIDS IF VICTIM IS UNCONSCIOUS OR VERY DROWSY.OTHERWISE GIVE NO MORE THAN 2 GLASSES OF WATER AND INDUCE VOMITING BY GIVING 30CC (2 TABLESPOONS)SYRUP OF IPECAC.IF IPECAC IS UNAVAILABLE,GIVE 2 GLASSES OF WATER AND INDUCE VOMITING BY TOUCHING FINGER TO BACK OF VICTIMS THROAT.KEEP VICTIMS HEAD BELOW HIPS WHILE VOMITING.GET MEDICAL ATTENTIONS.*

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

Flash Point:>93.3C, 200.F

>200F

Extinguishing Media:WATER FOG, ALCOHOL FOAM, DRY CHEMICAL

AL OR CARBON
DIOXIDE

Fire Fighting Procedures: MATERIAL WILL NOT BURN UNLESS PRE-HEATED. DO NOT ENTER CONFINED FIRE SPACE WITHOUT FULL BUNKER GEAR INCLUDING A POSITIVE PRESSURE SELF-CONTAINED BREATHING APPARATUS (SCBA). COOL FIRE EXPOSED CONTAINERS WITH WATER.

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

Spill Release Procedures: USE CAUTION WHEN CLEANING LARGE SPILLS. WEAR RESPIRATOR & PROTECTIVE CLOTHING AS APPROPRIATE. SHUT OFF SOURCE OF LEAK IF SAFE TO DO SO. DIKE & CONTAIN. REMOVE W/ VACUUM TRUCKS/ PUMP TO STORAGE SALVAGE VESSELS. SOAK UP RESIDUE W/ WATER TO REMOVE TRACE RESIDUE. FOR SMALL SPILLS, TAKE UP W/ ABSORBENT MATERIAL & DISPOSE OF PROPERLY. COMPLY W/ ALL FEDERAL, STATE & LOCAL REGULATIONS IN REPORTING SPILL & CLEAN UP.

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

Handling and Storage Precautions: STORE OUT OF DIRECT SUNLIGHT, AND IN A COOL WELL-VENTILATED AREA.

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

Respiratory Protection: USE APPROVED RESPIRATOR OR AIR SUPPLY MASK IF WORKING IN AN ENCLOSED AREA. IF EXPOSURE MAY OR DOES EXCEED OCCUPATIONAL EXPOSURE LIMITS, USE A NIOSH APPROVED RESPIRATOR TO PREVENT OVEREXPOSURE.

Eye Protection: FACE SHIELD

Other Protective Equipment: FACE SHIELD, GLOVES, APRON, SLEEVES AND BOOTS.

Supplemental Safety and Health

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

Boiling Pt: >165.6C, 330.F

B.P. Text

:330-340F

Melt/Freeze Pt: