

VAN WATERS & ROGERS INC. SUB. OF UNIVAR -- ETHYLENE GLYCOL -- 6810-00-006-4205

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Product Identification
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Product ID:ETHYLENE GLYCOL

MSDS Date:12/01/1983

FSC:6810

NIIN:00-006-4205

MSDS Number: BWMBL

=== Responsible Party ===

Company Name:VAN WATERS & ROGERS INC. SUB. OF UNIVAR

Address:1600 NORTON BLDG.

City:SEATTLE

State:WA

ZIP:98104-1564

Country:US

Info Phone Num:408-435-8700 206-447-591

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Emergency Phone Num:408-435-8700/800-424-9300(CHEMTREC)

Preparer's Name:DOUG EISNER

CAGE:6E838

=== Contractor Identification ===

Company Name:CHEMICAL COMMODITIES AGENCY, INC.

Address:27447 PACIFIC STREET

Box:City:HIGHLAND

State:CA

ZIP:92346-2640

Country:US

Phone:909-864-2310

CAGE:60777

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Compositio

n/Information on Ingredients =====

Ingred Name:ETHYLENE GLYCOL (SARA III)
CAS:107-21-1
RTECS #:KW2975000
Other REC Limits:NONE RECOMMENDED
ACGIH TLV:C 50 PPM,VAPOR; 9394
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

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

LD50 LC50 Mixture:ORAL LD50 (RAT) IS 4G/KG
Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE: EYE, SKIN, RESPIRATORY
AND
GASTROINTESTINAL IRRITATION. CHRONIC: LIVER AND BLOOD
ABNORMALITIES, KIDNEY DAMAGE, CENTRAL NERVOUS SYSTEM EFFECTS.MAY BE
DERMALLY ABSORBED IN HARMFUL AMOUNTS(KIDNEY DAMAGE).CHRONIC:DAMAGE
TO KIDNEYS MAY BE FATAL.
Explanation of Carcinogenicity:ETHYLENE GLYCOL MAY CAUSE BIRTH DEFECTS.
Effects of Overexposure:EYES, SKIN, RESPIRATORY AND GASTROINTESTINAL
IRRITATION.INGEST:ABDOMINAL
PAIN,DISCOMFORT, DIZZINESS, MALAISE, DECREASED URINE OUTPUT, UREMIA.
Medical Cond Aggravated
by Exposure:INDIVIDUALS WITH A HISTORY OF
SKIN,EYE OR RESPIRATORY DISORDERS OR RENAL DYSFUNCTION MAY BE AT
INCREASED RISK FROM EXPOSURE.

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

First Aid:SKIN:REMOVE CONTAMINATED CLOTHING;WASH WITH SOAP AND
WATER.EYES:FLUSH WITH WATER FOR 15 MINUTES.INHAL:REMOVE TO FRESH
AIR.GIVE OXYGEN OR ARTIFICIAL RESPIRATION IF NEEDED.INGEST:GET
PROMPT QUALIFIED MEDICAL ATTENTION.IF CONSCIOUS,GIVE 2 GLASSES OF
WATER AND
INDUCE VOMITING BY STICKING FINGER DOWN THROAT.

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

Flash Point Method:TCC
Flash Point:111.1C, 232.F
Lower Limits:3.2
Upper Limits:15.3
Extinguishing Media:USE WATER FOG, CARBON DIOXIDE, OR DRY CHEMICAL.
WATER OR FOAM MAY CAUSE FROTHING.
Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A
FULL FACED SELF CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED
CONTAINERS WITH WATER FOG.
Unusual Fire/Explo

sion Hazard:ARCS AND SPARKS CAN IGNITE PRODUCT
EXPLOSIVELY. COMBUSTION OR HEAT OF FIRE MAY PRODUCE HAZARDOUS
DECOMPOSITION PRODUCTS AND VAPORS.

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

Spill Release Procedures:ELIMINATE SOURCES OF IGNITION.USE PROPER
RESPIRATORY AND PROTECTIVE EQUIPMENT.VENTILATE AREA.SOAK UP WITH A
NON-COMBUSTIBLE INERT ABSORBANT(CLAY,SAND);PLACE IN PROPER
CONTAINER FOR DISPOSAL.AVOID DISCHARGE INTO SEWER OR GROUND WATER.

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

Handling and Storage Precautions:STORE IN A COOL,DRY,WELL-VENTILATED
PLACE.KEEP CONTAINER CLOSED WHEN NOT IN USE.KEEP AWAY FROM
HEAT,SPARKS,FLAMES AND INCOMPATIBLE MATERIALS.

Other Precautions:AVOID EYE AND SKIN CONTACT. DO NOT BREATHE VAPORS. DO
NOT INGEST!EMPTY CONTAINERS MAY BE HAZARDOUS;DISPOSE OF PROPERLY.

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

Respiratory Protection:WHERE ENVIRONMENTAL
CONTROLS ARE LACKING OR IN
ENCLOSED SPACES USE EITHER A SELF-CONTAINED BREATHING APPARATUS OR
A NIOSH/MSHA APPROVED RESPIRATOR FOR ORGANIC VAPORS,DEPENDING ON
THE AIRBORN CONCENTRATION.

Ventilation:USE LOCAL EXHAUST.

Protective Gloves:NITRILE OR RUBBER GLOVES.

Eye Protection:CHEMICAL SPLASH GOGGLES.NO CONTACTS!!

Other Protective Equipment:PROTECTIVE CLOTHING AS REQUIRED TO MINIMIZE
EXPOSURE FROM PROLONGED OR REPEATED CONTACT. EYE BATH AND SAFETY
SHOWER.

Work Hygienic Practices:

WASH THOROUGHLY AFTER HANDLING AND BEFORE
EATING. LAUNDRY CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

THIS IS AN ENVIRONMENTALLY HAZARDOUS ITEM.THE RQ HAS BEEN SET BY CLEAN
AIR STATUTE AT 1#.

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

HCC:V5

Boiling Pt:=-197.2C, 387.F

Melt/Freeze Pt:=-12.6C, 9.F

Vapor Pres:0.06

Vapor Density:2.1

Spec Gravity:1.1

Evaporation Rate & Reference: