

OLD WORLD INDUSTRIES INC -- ETHYLENE GLYCOL BASED ANTIFREEZE & COOLANT --  
6850-00-135-2879

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

Product ID:ETHYLENE GLYCOL BASED ANTIFREEZE & COOLANT

MSDS Date:07/21/1995

FSC:6850

NIIN:00-135-2879

MSDS Number: CCLNQ

=== Responsible Party ===

Company Name:OLD WORLD INDUSTRIES INC

Address:4065 COMMERCIAL AVE

City:NORTHBROOK

State:IL

ZIP:60062-1851

Country:US

Info Pho

ne Num:847-559-2000

Emergency Phone Num:800-424-9300(CHEMTREC)

Preparer's Name:MR. MICHAEL REED

CAGE:0U3B1

=== Contractor Identification ===

Company Name:OLD WORLD INDUSTRIES INC

Address:4065 COMMERCIAL AVE

Box:City:NORTHBROOK

State:IL

ZIP:60062-1851

Country:US

Phone:847-559-2000/2116/FAX: 847-559-2173

CAGE:0U3B1

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

Ingred Name:ETHYLENE GLYCOL (SARA 313) (CERCLA)

CAS:107-21-1

RTECS #:KW2975000

Fraction by Wt: 90-95%

Other REC Li

imits:NONE RECOMMENDED  
ACGIH TLV:C STEL39PPM,A4,VAP96  
EPA Rpt Qty:1 LB  
DOT Rpt Qty:1 LB

Ingred Name:DIETHYLENE GLYCOL  
CAS:111-46-6  
RTECS #:ID5950000  
Fraction by Wt: 0-5%  
Other REC Limits:NONE RECOMMENDED

Ingred Name:POTASSIUM PHOSPHATE; DIBASIC  
CAS:7758-11-4  
Fraction by Wt: 1-2%  
Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:LD50 ORAL RATS 6000-13000MG/KG RANGE.

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

R

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

Health Hazards Acute and Chronic:EYE:SLIGHT

TRANSIENT(TEMP)IRRIT,CORNEAL INJURY UNLIKELY,VP/MIST  
IRRIT.SKIN:PROL/REP EXPO NOT LIKELY TO CAUSE SIGNIFICANT  
IRRIT.SINGLE PROL EXPO NOT LIKELY TO BE ABSORBED THRU SKIN IN  
HARMFUL AMTS;REP EXPO RESULT IN ABSORPTION OF HARMFUL AMTS.MASSIVE  
CONTACT W/DMG SKIN/MATL SUFFICIENTLY HOT TO BURN MAY  
RESULT(SIGN/SYMP)

Explanation of Carcinogenicity:PER MSDS:BASED ON DATA FROM LONG-TERM  
ANIMAL STUDIES ETHYLENE GLYCOL IS NOT BELIEVED TO POSE CARCINOGENIC  
RISK TO MAN.

Effects of Overexposure:HEALTH:ABSORPTION OF POT LETHAL  
AMTS.INGEST:SINGLE DOSE MODERATE TOXICITY.EXCESSIVE EXPO CNS  
EFFECTS,CARDIOPULM EFFECTS(METABOLIC ACIDOSIS),KIDNEY FAILURE.SM  
AMTS NOT LIKELY TO CAUSE INJURY;LG AMTS SERIOUS  
INJURY,DEATH.INHAL:@RM TEMP MIN EXPO;HI TEMP ADVERSE EFFECTS FROM  
VAP.

Medical Cond Aggravated by Exposure:TARGET ORGANS:REP EXCESS EXPO  
SEVERE KIDNEY,LIVER,

GI EFFECTS(NAU,VOMIT,ANESTHETIC,NARCOTIC EFFECTS).KIDNEY FAILURE,DEATH IN BURN PATIENTS SUGGESTS ETHYLENE GLYCOL MAY BE FACTOR.TOPICAL APPLIC NOT APPR

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

First Aid:ENSURE DR HAS ACCESS TO MSDS.EYE:IMMED FLUSH W/LG AMTS OF WATER FOR 15MINS,LIFT EYELIDS.GET MED ATTN ASAP.SKIN:FLUSH IMMED W/LG AMTS OF WATER FOR @LEAST 15MINS WHILE REMOVING CONTMAIN CLOTH.IRRIT PERS IST GET MED ATTN PROMPTLY.INHAL:IMMED REMVOE TO

FRESH AIR.CALL EMERG MED CARE.NOT BREATH GIVE ART RESP;BREATH DIFFI GIVE OXY.INGEST:GIVE 2 GLASSES OF WATER.IMMED CALL DR.INDUCE VOMIT IF CONSC(SUPPLEM)

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

Flash Point Method:SCC

Flash Point:246F,119C

Lower Limits:3.2

Upper Limits:N/DETERMINED

Extinguishing Media:H2O FOG,FINE SPRAY.ALCOHOL RESIST FOAM(ATC TYP)PREFER.GEN PURP SYN FOAM(AFFF)/PROTEIN.CO2,DRY CHEM.NO DIRECT H2OSTREAM.

Fire Fighting Procedures:NO

FIRE/EXPLO HAZ EXPECTED UNDER NORMAL

STORAGE/HNDLG CONDITIONS(AMB TEMP).ETHYLENE GLYCOL/SOLNS OF IT/WATER CAN FORM FLAMM VAP W/AIR IF HEATED.KEEP AWAY.(SUPP)

Unusual Fire/Explosion Hazard:NONE SPECIFIED BY MANUFACTURER.

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

Spill Release Procedures:MATL MODERATELY TOXIC WHEN INGEST.TAKE ADEQUATE PRECAUT TO KEEP PEOPLE/CHILDREN AWAY FROM SPILL.PVC COATED RUBB GLOVES/MONOGOGG/FCSHIELD TO BE USED.DON;T DUMPT INTO

SEWERS/GROUND/INTO BODY OF WATER.SO AK W/ABSORBENT/DIKE/PUMP.COMPLY W/STATUES FOR NOTI

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:PRODUCT ON SURFACE CAN CAUSE SLIPPERY CONDITIONS.AVOID BREATH SPRAY MIST.KEEP OUT OF REACH OF CHILDREN.PRODUCT BECOME SOLID @TEMP