

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 Phone

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 Limit

s: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

Repo

Effects 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(AU, 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: IMMEDIATELY FLUSH W/LG AMTS OF WATER FOR 15MINS, LIFT EYELIDS. GET MED ATTN ASAP. SKIN: FLUSH IMMEDIATELY W/LG AMTS OF WATER FOR @LEAST 15MINS WHILE REMOVING CONTAIN CLOTH. IRRIT PERSIST GET MED ATTN PROMPTLY. INHAL: IMMEDIATELY REMOVE TO

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

===== 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 H2O STREAM.

Fire Fighting Procedures: NO FIRE

RE/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.(SUPPLEMENT)

Unusual Fire/Explosion Hazard: NONE SPECIFIED BY MANUFACTURER.

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

Spill Release Procedures: MATERIAL MODERATELY TOXIC WHEN INGEST. TAKE ADEQUATE PRECAUTION TO KEEP PEOPLE/CHILDREN AWAY FROM SPILL. PVC COATED RUBBER GLOVES/MONOGLOVE/FC SHIELD TO BE USED. DON'T DUMP INTO

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

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 BECOMES SOLID @TEMP