

KALAMA INTERNATIONAL -- ETHYLENE GLYCOL -- 6810-00-006-4205

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Product Identification
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Product ID:ETHYLENE GLYCOL
MSDS Date:12/01/1992
FSC:6810
NIIN:00-006-4205
MSDS Number: BXWBW
=== Responsible Party ===
Company Name:KALAMA INTERNATIONAL
Address:1200 SMITH, SUITE 2270
City:HOUSTON
State:TX
ZIP:77002
Country:US
Emergency Phone Num:ANTIFREEAE INC. 318-893-2056
CAGE:KALA1
=== Contractor Id
entification ===
Company Name:ANTIFREEZE
Box:City:ABBEVILLE
State:LA
ZIP:70510
Country:US
Phone:318-893-2056
CAGE:0SMH1
Company Name:KALAMA INTERNATIONAL
Address:1200 SMITH, SUITE 2270
Box:City:HOUSTON
State:TX
ZIP:77002
Country:US
CAGE:KALA1

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Composition/Information on Ingredients
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Ingred Name:ETHYLENE GLYCOL (SARA 313) (CERCLA)
CAS:107-21-1
RTECS #:KW2975000
Other REC Limits:NONE RECOMMENDED
ACGIH TLV:C 50 PPM,VAPOR; 9495
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

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Hazards Identification
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LD50 LC50 Mixture:PRODUCT'S LD50 (ORAL RAT) WAS NOT STATED

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

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

Health Hazards Acute and Chronic:NO OR & MIST CAN CAUSE IRRITATION OF THE NOSE & THROAT. INGESTION:IN HUMANS, A DOSE OF 100 ML MAY CAUSE DEATH.

Explanation of Carcinogenicity:MANUFACTURER GAVE NO INFORMATION ABOUT CARCINOGENICITY. HMIS FOUND NO LISTING & D

OS NOT EXPECT IT TO BE CARCINOGENIC.

Effects of Overexposure:INHALATION:MAY CAUSE IRRITATION OF THE NOSE & THROAT & HEADACHE. EYE:LIQUIDS, VAPOR & MIST MAY CAUSE CONJUNCTIVITIS & SERIOUS CORNEAL INJURY IS NOT ANTICIPATED. SKIN:NO EVIDENCE OF ADVERSE HEALTH EFFECT. SWALLOWED:MAY CAUSE ABDOMINAL PAIN,DIZZINESS, DIARRHEA & KIDNEY INJURY.

Medical Cond Aggravated by Exposure:MFR GAVE NO INFORMATION ON MSDS.

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First Aid Measures
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First Aid:GET MEDICAL ATTENTION FOR ANY EXPOSURE W/SYMPTOMS. EYE:FLUSH W/WATER FOR 15 MIN. SKIN:WASH W/SOAP & WATER. REMOVE CONTAMINATED CLOTHING & LAUNDRY BEFORE REUSE. INHALED:REMOVE FROM EXPOSURE. AID OR RES TORE BREATHING AS NEEDED. INGESTED:INDUCE VOMITING BY STICKING FINGER DOWN THROAT. MAKE VICTIM DRINK 2 GLASSES OF WATER OR MILK. GIVE UNIVERSAL ANTIDOTE (MILK OF MAGNESIA, EATABLE CHARCOAL & TEA).

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Fire Fighting Measures
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Flash Point Method:COC

Flash Point:232F,111C

Autoignition Temp:Autoignition Temp Text:570C

Lower Limits:3.2

Upper Limits:15.3

Extinguishing Media:USE WATER SPRAY OR FOG, CARBON DIOXIDE, DRY CHEMICAL POWDER, ALCOHOL FOAM OR UNIVERSAL FOAM.

Fire Fighting Procedures:USE SELF-CONTAINED BREATHING APPARATUS & PROTECTIVE CLOTHING.

Unusual Fire/Explosion Hazard:NONE

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Accidental Release Measures
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Spill Release Procedures:MFR GAVE NO INFORMATION ON MSDS.

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neutralizing Agent:MFR GAVE NO INFORMATION ON MSDS.

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Handling and Storage
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Handling and Storage Precautions:INSIDE STORAGE, NORMAL TEMPERATURE,
INERT GAS (NITROGEN) IN UPPER CHAMBER.

Other Precautions:NONE

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Exposure Controls/Personal Protection
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Respiratory Protection:USE FACE MASK W/ORGANIC VAPOR CARTRIDGE, IN HIGH
CONCENTRATION USE SELF-CONTAINED BREATHING APPARATUS.

Ventilation:GENERAL (MECHANICAL) ROOM VENTIL
ATION IS EXPECTED TO BE
ADEQUATE.

Protective Gloves:RUBBER OR POLY VINYL CHLORIDE GLOVES

Eye Protection:CHEMICAL GOGGLES

Other Protective Equipment:WEAR SUITABLE PROTECTIVE EQUIPMENT. EYE BATH
& SAFETY SHOWER.

Work Hygienic Practices:MFR:?. HMIS:USE GOOD CHEMICAL HYGIENE
PRACTICES. AVOID CONTACT IF AT ALL POSSIBLE. WASH THOROUGHLY AFTER
HANDLING.

Supplemental Safety and Health
NONE

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Physical/Chemical Properties
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HCC:V5

NRC/State Lic Num:NON

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Boiling Pt:=197.2C, 387.F

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

Vapor Pres:0.05 MM

Vapor Density:2.1

Spec Gravity:1.15

Solubility in Water:COMPLETE

Appearance and Odor:WATER WHITE LIQUID, LIGHTLY VISCOUS, VERY
HYGROSCOPIC, MILD ODOT.

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Stability and Reactivity Data
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Stability Indicator/Materials to Avoid:YES

NORMALLY UNREACTIVE. AVOID STRONG BASES, HIGH TEMPERATURES, STRONG
ACIDS, STRONG OXIDIZING AGENTS, CHLOROSULFONIC ACID.

Stability Condition to Avoid:MFR

GAVE NO INFORMATION ON MSDS.

Hazardous Decomposition Products:NONE REPORTED

Conditions to Avoid Polymerization:MFR GAVE NO INFORMATION ON MSDS.

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

Waste Disposal Methods:INCINERATE IN FURNACE (WHERE PERMITTED BY FEDERAL, STATE & LOCAL REGULATIONS). AT VERY LOW CONCENTRATIONS IN WATER, GLYCOL IS READILY BIODEGRADABLE IN A BIOLOGICAL WASTE WATER TREATMENT PLANT.

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