

ASHLAND OIL INC -- 3370000 ETHYLENE GLYCOL -- 6810-00-006-4205

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

Product ID:3370000 ETHYLENE GLYCOL

MSDS Date:05/31/1989

FSC:6810

NIIN:00-006-4205

MSDS Number: BPHDY

=== Responsible Party ===

Company Name:ASHLAND OIL INC

Address:1409 WINCHESTER AVE

Box:391

City:ASHLAND

State:KY

ZIP:41114

Country:US

Info Phone Num:606-324-1133

Emergency Phone Num:606-324-1133

CAGE:

81355

=== Contractor Identification ===

Company Name:ASHLAND INC

Address:1409 WINCHESTER AVE

Box:391

City:ASHLAND

State:KY

ZIP:41114

Country:US

Phone:800-622-6846

CAGE:81355

Company Name:GATOR SALES INC

Address:2719 PHILLIPS HWY

Box:City:JACKSONVILLE

State:FL

ZIP:32207

Country:US

Phone:904-399-0901

CAGE:0A5V1

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

Ingred Name:ETHYLENE GLYCOL (SARA III)

CAS:107-21-1

RTECS #:KW2975000

Fraction by Wt: >95%

OSHA PEL:C 50 PPM

ACGIH TLV

:C 50 PPM,VAPOR; 9192
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

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

LD50 LC50 Mixture:NO INFORMATION GIVEN ON MSDS BY SUPPLIER
Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE: INHALATION- IRRITATION MUCOUS
MEMBRANES. EYES- IRRITATION. SKIN- IRRITATION. INGESTION- STOMACH
DISTRESS. CHRONIC: CENTRAL NERVOUS SYSTEM EFFECTS, LIVER DAMA
GE,
KIDNEY DAMAGE.
Explanation of Carcinogenicity:NONE
Effects of Overexposure:EYE/SKIN:IRRITATION. INHALATION: EXCESSIVE
INHALATION OF VAPORS CAN CAUSE NASAL AND RESPIRATORY IRRITATION.
INGESTION: CAN CAUSE GASTROINTESTINAL IRRITATION,NAUSEA,VOMITING &
DIARRHEA.
Medical Cond Aggravated by Exposure:NO INFORMATION GIVEN ON MSDS BY
SUPPLIER

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

First Aid:SKIN: WASH AREA WITH SOAP AND WATER. REMOVE CONTAMINATED
CLOTHING AND LAUNDRER BEFORE REUSE. EYES: FLUSH WITH LARGE AMOUNTS
OF WATER FOR 15 MINUTES. SEE DOCTOR. SWALLOWED: GIVE 2 GLASSES OF
WATER. IF C ONSCIOUS, INDUCE VOMITING. GET IMMEDIATE MEDICAL
ATTENTION. INHALATION: REMOVE TO FRESH AIR.GIVE OXYGEN IF NEEDED,
IF BREATHING STOPS, RESUSCITATE. KEEP WARM & QUIET AND GET MEDICAL
ATTENTION.

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

Flash Point Method:TCC
Flash Point:232F,111C
Lower Limits:3.2 %
Upper
Limits:15.3 %
Extinguishing Media:WATER FOG, CARBON DIOXIDE OR DRY CHEMICAL.
Fire Fighting Procedures:WEAR PRESSURE DEMAND SCBA WITH FULL FACEPIECE
WNNEN FIGHTING FIRES. WATER OR FOAM MAY CAUSE FROTHING WHICH CAN BE
VIOLENT AND DANGEROUS TO FIREFIGHTERS.
Unusual Fire/Explosion Hazard:NEVER USE WELDING OR CUTTING TORCH ON OR
NEA DRUM. RESIDUE/VAPORS MAY IGNITE EXPLOSIVELY.

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

Spill Release Procedures:ELIMINATE IGNITIO

N SOURCES. EVACUATE

UNPROTECTED PEOPLE. STOP SPILL, DIKE TO CONTAIN, PUMP LIQUID TO SALVAGE TANK. ABSORB REMAINDER ON SAND, CLAY, OR OTHER ABSORBENT MATERIAL AND SHOVEL TO DRUMS. SMALL: ABSORB ON PAPER OR OTHER & TRANSFER TO HOOD.

Neutralizing Agent:NONE

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

Handling and Storage Precautions:NO INFORMATION GIVEN ON MSDS BY SUPPLIER

Other Precautions:'EMPTY' CONTAINERS MAY CONTAIN RESIDUE OR VAPOR. TREAT THEM WITH THE RESPECT DUE FULL ONES. DO NOT CUT,WELD,ETC. ON THEM.

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

Respiratory Protection:IF WORKPLACE EXPOSURE LIMITS ARE EXCEEDED A NIOSH/MSHA APPROVED AIR SUPPLIED RESPIRATOR IS ADVISED IN ABSENCE OF PROPER ENVIRONMENTAL CONTROL. OSHA ALSO PERMITS OTHER NIOSH/MSHA RESPIRATORS UNDER SPECIFIED CONDITIONS.

Ventilation:PROVIDE SUFFICIENT MECHANICAL (GENERAL AND/OR LOCAL EXHAUST) VENTILATION TO MAINTAIN EXPOSURES BELOW TLV.

Protective Gloves:RESISTANT SUCH AS NITRILE

Eye Protection:SPLASH GOGGLES (OR OTHER OSHA APPROVED)

Other Protective Equipment:WEAR IMPERVIOUS CLOTHING AND BOOTS TO PREVENT PROLONGED OR REPEATED CONTACT.

Work Hygienic Practices:MFR: ? HMIS:USE GOOD CHEMICAL HYGIENE PRACTICE. AVOID UNNECESSARY CONTACT. WASH THOROUGHLY BEFORE EATING OR DRINKING.

Supplemental Safety and Health

MSDS RECEIVED FROM NAVY (FOCAL POINT N). NSN IDENTIFIED BY THEM. RECORD ENTERED IN EVENT THEY ARE USING THIS MATERIAL AS THIS NSN.

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

HCC:V5

NRC/State Lic Num:NONE

Boiling Pt:=192.8C, 379.F

Vapor Pres: