

ASHLAND CHEMICAL COMPANY -- GLYCOL ETHER EE -- 6810-00-285-4309

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

Product ID:GLYCOL ETHER EE

MSDS Date:01/21/1998

FSC:6810

NIIN:00-285-4309

Status Code:A

MSDS Number: CHYYG

=== Responsible Party ===

Company Name:ASHLAND CHEMICAL COMPANY

Box:2219

City:COLUMBUS

State:OH

ZIP:43216-2219

Country:US

Info Phone Num:614-790-3333

Emergency Phone Num:800-274-5236 OR 800-ASH
LAND

CAGE:34897

=== Contractor Identification ===

Company Name:ASHLAND CHEMICAL CO

Box:2219

City:COLUMBUS

State:OH

ZIP:43216-2219

Country:US

Phone:614-790-3333/800-274-5263

CAGE:34897

Company Name:ASHLAND CHEMICAL CO

Address:5200 PAUL BLAZEL MEMORIAL PARKWAY

Box:City:DUBLIN

State:OH

ZIP:43017

Country:US

Phone:614-889-4505

CAGE:5A188

Company Name:CHEMICAL SPECIALISTS AND DEVELOPMENT INC

Address:2210 HACKBERRY LN

Box:687

City:CONROE

State:TX

ZIP:77305

Country:US

Phone:409-756-1065

CAGE:4N760

Compa

ny Name:LOS ANGELES CHEMICAL CO
Address:4545 ARDINE ST
Box:1987
City:SOUTH GATE
State:CA
ZIP:90280
Country:US
Phone:213-562-9500
Contract Num:SP0450-99-M-C554
CAGE:75656

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

Ingred Name:2-ETHOXYETHANOL (SARA 313) (CERCLA)
CAS:110-80-5
RTECS #:KK8050000
Fraction by Wt: 100%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:S, 200 PPM
ACGIH TLV:S, 5 PPM; 9596
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

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

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.
Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE: CONTACT MAY CAUSE SKIN & EYE IRRITATION. INHALATION MAY CAUSE RESPIRATORY IRRITATION, CNS DEPRESSION. SINGLE DOSE INGESTION TOXICITY IS LOW; SWALLOWING LARGE AMOUNTS MAY BE HARMFUL. CHRONIC: PR OLONGED OR REPEATED EXPOSURE MAY CAUSE DISORDERS OF THE LIVER, TESTES, KIDNEYS.
Explanation of Carcinogenicity:NO INGREDIENT OF A CONCENTRATION OF 0.1% OR GREATER IS LISTED AS A CARCINOGEN OR SUSPECTED CARCINOGEN.
Effects of Overexposure:INGESTED- NO DATA FOUND, MAY BE HARMFUL IN LARGE DOSES. EYES-STINGING, TEARING, REDNESS. SKIN-REDNESS, BURNING. INHALED-IRRITATION OF NOSE/THROAT/RESPIRATORY TRACT, DIZZINESS, DROWSINESS, WEAKNESS, FATIGUE, NAUSEA, HEADACHE, UNCONSCIOUSNESS,CONFUSION, DEATH.
Medical Cond Aggravated by Exposure:NONE

SPECIFIED BY MANUFACTURER.

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

First Aid:IN ALL CASES GET MEDICAL ATTENTION. EYES- FLUSH WITH WATER FOR 15 MINUTES, LIFT LIDS. SKIN-REMOVE CONTAMINATED CLOTHES. WASH WITH MILD SOAP & WATER. INHALED-REMOVE TO FRESH AIR. GIVE OXYGEN OR ARTIFICIAL RESPIRATION AS NEEDED. INGESTED-NOTHING BY MOUTH IF DROWSY OR UNCONSCIOUS. IF CONSCIOUS, GIVE SYRUP OF IPECAC OR STICK FINGERS DOWN THROAT. DO NOT LEAVE PERSON UNATTENDED.

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

Flash Point Method:PMCC

Flash Point:110F,43C

Lower Limits:1.8

Upper Limits:15.6

Extinguishing Media:CARBON DIOXIDE, DRY CHEMICAL, ALCOHOL FOAM, WATER FOG.

Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS AND FULL FIRE FIGHTER'S PROTECTIVE GEAR. USE WATER TO COOL FIRE EXPOSED CONTAINERS & FOR DILUTION.

Unusual Fire/Explosion Hazard:VAPORS ARE HEAVIER THAN AIR & MAY TRAVEL ALONG THE GROUND OR BE MOVED BY VENTILATION & IGNITED BY SOURCES OF IGNITION.

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

Spill Release Procedures:ELIMINATE ALL SOURCES OF IGNITION. WEAR PROPER PERSONAL PROTECTIVE GEAR. STOP SPILL AT SOURCE. PREVENT FROM ENTERING DRAINS, SEWERS, WATERWAYS. ABSORB SPILL WITH VERMICULITE OR OTHER ABSORBENT AND TRANSFER TO CONTAINER FOR DISPOSAL.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:STORE IN A COOL, DRY PLACE AWAY FROM STRONG OXIDIZING AGENTS AND SOURCES OF IGNITION.

Other Precautions:CONTAINERS OF THIS MATERIAL MAY BE HAZARDOUS WHEN EMPTIED. SINCE EMPTIED CONTAINERS RETAIN PRODUCT RESIDUES, ALL HAZARD PRECAUTIONS GIVEN ON THIS MSDS MUST BE OBSERVED. BOND & GROUND CONTAINERS DURING TRANSFER OPERATIONS.

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

Respiratory Protection:IF ENGI

NEERING CONTROLS FAIL OR NON-ROUTINE USE
OR AN EMERGENCY OCCURS; WEAR AN MSHA/NIOSH APPROVED RESPIRATOR WITH
APPROPRIATE CARTRIDGE OR AN AIR-SUPPLIED RESPIRATOR OR SCBA, AS
REQUIRED. USE IAW 29 CFR 1910.134.

Ventilation:USE ADEQUATE MECHANICAL VENTILATION OR LOCAL EXHAUST TO
MAINTAIN EXPOSURE BELOW TLV(S).

Protective Gloves:IMPERVIOUS-NITRILE.

Eye Protection:SAFETY GLASSES/CHEMICAL SPLASH GOGGLES.

Other Protective Equipment:WEAR IMPERVIOUS CLOTHES TO PREVENT
PROLONGED/ REPEA

TED SKIN CONTACT. DLA-HMIS-EYE WASH STATION &
SAFETY SHOWER.

Work Hygienic Practices:WASH HANDS AFTER HANDLING AND BEFORE EATING,
DRINKING, OR SMOKING. LAUNDER CONTAMINATED CLOTHES BEFORE REUSE.

Supplemental Safety and Health

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

HCC:V4

Boiling Pt:B.P. Text:378F,192C

Vapor Pres:0.1

Vapor Density:4.15

Spec Gravity:1.025

Evaporation Rate & Reference:0.02 (N-BUTYL ACETATE=1)

Appearance and Odor:CLEAR, COLORLESS, HOMOGENO
US LIQUID; NO ODOR DATA.

Percent Volatiles by Volume:100

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

AVOID CONTACT WITH STRONG OXIDIZING AGENTS.

Stability Condition to Avoid:AVOID CONTACT WITH HEAT, STRONG ALKALIES,
STRONG OXIDIZING AGENTS.

Hazardous Decomposition Products:MAY FORM CARBON MONOXIDE AND CARBON
DIOXIDE.

Conditions to Avoid Polymerization:PRODUCT WILL NOT UNDERGO HAZARDOUS
POLYMERIZATION.

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==== Toxicological Information =====

Toxicological Information:NO DATA

==== Ecological Information =====

Ecological:NO DATA

==== Disposal Considerations =====

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL ENVIRONMENTAL REGULATIONS.

==== Regulatory Information =====

SARA Title III Information:2-ETHOXYETHANOL IS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT (SARA) OF 1986 AND 40 CFR PART 372.65

Federal Regulatory Information:THIS PRODUCT IS ON THE TOXIC SUBSTANCE CONTROL ACT (TSCA) INVENTORY LIST.

State Regulatory Information:CALIFORNIA STATE SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT OF 1986: THIS PRODUCT CONTAINS ETHYLENE GLYCOL MONOETHYL ETHER, A STUBTANCE KNOWN TO THE STATE OF CALIFORNIA TO CAUSE REPRODUCTIVE HARM. NEW JE RSEY RTK LABEL

INFORMATION.: 2-ETHOXYETHANOL. PENNSYLVANIA RTK LABEL INFORMATION: ETHANOL, 2-ETHOXY-

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