

OCCIDENTAL CHEMICAL CORPORATION -- EHTYLENE GLYCOL - INDUSTRIAL GRADE --
6810-00-006-4205

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

Product ID:EHTYLENE GLYCOL - INDUSTRIAL GRADE

MSDS Date:10/05/1995

FSC:6810

NIIN:00-006-4205

MSDS Number: CJDKS

=== Responsible Party ===

Company Name:OCCIDENTAL CHEMICAL CORPORATION

Address:CUSTOMER SERVICE, OCCIDENTAL TOWER

Box:809050

City:DALLAS

State:TX

ZIP:75380

Countr

y:US

Info Phone Num:800-733-3665/716-278-7021

Emergency Phone Num:800-733-3665/214-4043228

Resp. Party Other MSDS Num.:M2052

Preparer's Name:NOT PROVIDED

CAGE:0AH54

=== Contractor Identification ===

Company Name:MAGNOLIA CHEMICAL CO INC (CAGE REPLACED WITH 50518)

Address:XXX

Box:City:DALLAS

State:TX

ZIP:75200

Country:US

Phone:304-733-5500

CAGE:2B890

Company Name:OCCIDENTAL CHEMICAL CORPORATION

Address:5005 LYNDON B JOHNSON FWY

Box:City:DALLAS

State:TX

ZIP:75244-6198

Country:US

Phone:800-752-5151

/972-404-3800
CAGE:0AH54
Company Name:SALATHE OIL CO INC
Address:2226 PETERS RD
Box:City:HARVEY
State:LA
ZIP:70058
Country:US
Phone:504-366-4542
Contract Num:SP0400-98-T-G877
CAGE:0T5C6

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Composition/Information on Ingredients
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Ingred Name:1,2-ETHANEDIOL
CAS:107-21-1
RTECS #:KW2975000
Minumum % Wt:95.
Maxumum % Wt:100.
ACGIH STEL:C127 MG/M3;C50 PPM
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

Ingred Name:2,2'-OXYBIS.(.ETHANOL.).
CAS:111-46-6
RTECS #:ID5950000
Minumum % Wt:0.
M
axumum % Wt:5.

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Hazards Identification
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Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE: INHALATION DUE TO LOW VAPOR
PRESSURE, INHALATION OF VAPOR IS UNLIKELY EXCEPT AT ELEVATED
TEMPERATURES; SMALL AEROSOL DROPLETS MAY BE INHALED. OTHER SIGNS
MAY INCLUDE FUILD IN LUNGS, IRREGULAR E YE MOVEMENTS. EYE-MAY BE
IRRITATING. SKIN-IN SEVERE OV
EREXPOSURE ENOUGH MATERIAL MIGHT BE
ABSORBED TO CAUSE SYSTEMIC INJURY. CHRONIC: PROLONGED OR REPEATED
INHALATION OR INGESTION MAY RESULT IN KIDNEY AND LIVER CHANGES.
Explanation of Carcinogenicity:NOT KNOWN TO BE CARCINOGENIC.
Effects of Overexposure:INHALATION-MAY PRODUCE SYMPTOMS OF CENTRAL
NERVOUS SYSTEM DEPRESSION INCLUDING HEADACHE, DIZZINESS, NAUSEA,
LOSS OF SENSE OF BALANCE, DROWSINESS, VISUAL DISTURBANCES,
UNCONSCIOUSNESS AND DEATH. INGEST ION-CENTRAL NERVOUS SYSTEMS

SIMILIAR TOTHOSE BY INHALATION; FOLLOWED BY RAPID BREATHING, INCREASED HEART RATE, POSSIBLE DECREASED URINE VOLUME AND SEVERE METABOLIC ACIDOSIS.

Medical Cond Aggravated by Exposure:PRE-EXISTING LIVER OR KIDNEY DISORDERS.

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

First Aid:EYES-IMMEDIATELY FLUSH EYES WITH A DIRECT STREAM OF WATER FOR 15 MIN. GET MEDICAL ATTENTION. SKIN-WASH THOROUGHLY WITH SOAP AND WATER. WASH CLOTHING BEFORE RESUE. IF IRRITA TION OCCURS, GET

MEDICAL ATT ENTION. INHALATION-REMOVE TO FRESH AIR.IF BREATHING IS DIFFICULT, HAVE TRAINED PERSON ADMINISTER OXYGEN. IF RESPIRATION STOPS, GIVE MOUTH-TO-MOUTH RESUSCITATION, GET EMDICAL ATTENTION IMMEDIATELY. ING ESTION-NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. HAVE PATIENT DRINK SEVERAL GLASSES OF WATER THEN INDUCE VOMITING BY HAVING PATIENT TICKLE BACK OF THROAT WITH FINGER. KEEP AIRWAY CLEAR. G ET MEDICAL ATTENTION IMMEDIATELY.

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

Flash Point Method:CC

Flash Point:=116.C, 240.8F

Autoignition Temp:Autoignition Temp Text:N/D

Lower Limits:3.2%

Upper Limits:15.3%

Extinguishing Media:ALCOHOL FOAM, DRY CHEMICAL, HALON, CARBON DIOXIDE, WATER FOG, OR SPRAY

Fire Fighting Procedures:USE WATER SPRAY TO KEEP FIRE-EXPOSED CONTAINERS COOL.

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

Spill Release Procedures:RECOVER LIQUID FOR REUSE OR RECL AMATION.

RECOVER SPILLED MATERIAL WITH ABSORBENT AND PLACE IN APPROVED CONTAINER FOR DISPOSAL. DO NOT FLUSH TO SEWERS. ENVIRONMENTAL PRECAUTIONS: CONTAIN SPILL WITH DIK E TO PREVENT ENTRY INTO SEWERS OR WATERWAYS.

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

Handling and Storage Precautions:AVOID OPEN AGITATION OR HEATING WHICH MAY GENERATE VAPORS OR MISTS. STORE CONTAINERS IN A COOL, DRY, VENTILATED, FIRE RESISTANT AREA AWAY FROM SOURCES OF IGNIT

ION AND

INCOMPATIBLE MATERIALS. KEEP CONTAINER TIGHTLY CLOSED.

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

Respiratory Protection:WEAR A NIOSH/MSHA APPROVED RESPIRATOR FOLLOWING MANUFACTURER'S RECOMMENDATIONS WHERE AIRBORNE CONTAMINANTS MAY OCCUR. FOR EMERGENCIES AND UNKNOWN CONCENTRATIONS, USE NIOSH/MSHA APPROVED POSITIVE PRESSURE SELF CONTAINED BREATHING APPARATUS.UTILIZE RESPIRATORY PROTECTIVE EQUIPMENT IN ACCORDANCE WITH 29CFR 1910.134.

Ventilation:GENERAL ROOM VENTILATION PLUS LOCAL EXHAUST AT POINTS OF EMISSION TO MAINTAIN LEVELS OF AIRBORNE CONTAMINANTS BELOW EXPOSURE LIMITS.

Protective Gloves:WEAR CHEMICAL RESISTANT GLOVES SUCH AS RUBBER, NEOPRENE OR VINYL.

Eye Protection:WEAR CHEMICAL SAFETY GOGGLES PLUS FULL FACESHIELD TO PROTECT AGAINST SPLASHING.

Other Protective Equipment:EMERGENCY SHOWER AND EYEWASH FACILITY SHOULD BE IN CLOSE PROXIMITY (ANSI Z358.1).

Work Hygienic Practices:WASH CLOTHES BEFORE RESUE.

Supplemental Safety and Health

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

HCC:V5

NRC/State Lic Num:NOT RELEVANT

Boiling Pt:=-198.C, 388.4F

Melt/Freeze Pt:=-13.C, 8.6F

Vapor Pres:0.06MM HG 20C

Vapor Density:2.1

Spec Gravity:1.115 @ 20C/20C

pH:6-8

Solubility in Water:COMPLETE

Appearance and Odor:CLEAR COLORLESS, SLIGHTLY VISCOUS LIQUID: MILD ODOR

Percent Volatiles by Volume:ESSENTIALY 0

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

Stability Indi

cator/Materials to Avoid: YES
REACTS WITH OXIDIZERS, ACIDS AND ALKALIS.
Hazardous Decomposition Products: CARBON MONOXIDE AND CARBON MONOXIDE.

===== Toxicological Information =====

Toxicological Information: ACUTE ORAL LD50 (RAT)=4700 MG/KG. ACUTE
DERMAL LD50 (RABBIT)=19.5 G/KG.

===== Ecological Information =====

Ecological: NO ECOLOGICAL DATA AVAILABLE.

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

Waste D
Disposal Methods: DISPOSE OF ALL WASTE AND CONTAMINATED EQUIPMENT
IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL HEALTH
AND ENVIRONMENTAL REGULATIONS.

===== MSDS Transport Information =====

Transport Information: DOT: THIS MATERIAL MAY BE REGULATED BY DOT
BECAUSE IT COULD CONTAIN A REPORTABLE QUANTITY (RQ) OF A HAZARDOUS
SUBSTANCE. PLEASE EXAMINE THE QUANTITY PER PACKAGE FOR THE
FOLLOWING HAZARDOUS SUBSTANCES. DOT HAZARDOUS SUBSTANCE:
RQ 5,000
LBS (ETHYLENE GLYCOL).

===== Other Information =====

Disclaimer (provided with this information by the compiling agencies):
This information is formulated for use by elements of the Department
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to verify and
assume responsibility for the suitability of this information to their
particular situation.