

ASHLAND CHEMICAL CO DIV OF ASHLAND OIL INC -- GLYCOL ETHER DM,S-1745 --
6850-01-377-5074

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

Product ID:GLYCOL ETHER DM,S-1745

MSDS Date:03/03/1997

FSC:6850

NIIN:01-377-5074

MSDS Number: CGLXC

=== Responsible Party ===

Company Name:ASHLAND CHEMICAL CO DIV OF ASHLAND OIL INC

Address:3849 FISHER RD

Box:2219

City:COLUMBUS

State:OH

ZIP:43228

Country:US

Info Phone Num:61

4-790-3333/790-3333/800-325-3751

Emergency Phone Num:800-274-5263 (ASHLAND)

CAGE:7L600

=== Contractor Identification ===

Company Name:ASHLAND CHEMICAL CO DIV OF ASHLAND OIL INC

Address:3849 FISHER RD

Box:2219

City:COLUMBUS

State:OH

ZIP:43216

Country:US

Phone:614-790-3333 / 800-325-3751

CAGE:7L600

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

===== Composition/Information on

Ingredients =====

Ingred Name:DIETHYLENE GLYCOL MONOMETHYL ETHER
CAS:111-77-3
RTECS #:KL6125000
Fraction by Wt: 100%
Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:LD50 (ORAL, RAT) IS UNKNOWN.
Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:TARGET ORGANS:EYES, SKIN, RESPIRATOR &
GI TRACTS. ACUTE- MAY CAUSE MILD EYE
E AND/OR SKIN IRRITATION.
OVEREXPOSURE BY INHALATION CAN BE HARMFUL. SWALLOWING SMALL AMOUNTS
IS NOT LIKELY TO CAUSE HARMFUL EFFECTS. LARGE AMOUNTS MAY BE
HARMFUL. CHRONIC- MAY CAUSE LIVER ABNORMALITIES, TESTIS & KIDNEY
DAMAGE IN LAB ANIMALS.
Explanation of Carcinogenicity:NONE
Effects of Overexposure:IRRITATION, TEARING, BLURRED VISION, REDNESS,
DEFATTING, HEADACHE, NAUSEA, VOMITING, DIARRHEA
Medical Cond Aggravated by Exposure:INDIVIDUALS WITH PRE-EXISTING
DISEASES OF
THE EYE, SKIN, RESPIRATORY TRACT MAY HAVE INCREASED
SUSCEPTIBILITY TO THE TOXICITY OF EXCESSIVE EXPOSURES.

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

First Aid:CALL PHYSICIAN IF SYMPTOMS PERSIST. INHALED:MOVE TO FRESH
AIR. PROVIDE CPR/OXYGEN IF NEEDED. EYES:FLUSH WITH WATER FOR 15
MINUTES. HOLD EYELIDS OPEN. SKIN:WASH WITH SOAP & WATER. ORAL:IF
PERSON IS DROWSY/UNCONSCIOUS, PLACE ON LEFT SIDE WITH HEAD DOWN.
IF PERSON IS CONSCIOUS & ALERT, INDUCE
VOMITING. GET MEDICAL
ATTENTION. IF POSSIBLE, DO NOT LEAVE INDIVIDUAL UNATTENDED.

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

Flash Point:197F,92C
Extinguishing Media:DRY CHEMICAL, CARBON DIOXIDE, ALCOHOL FOAM. WATER
CAN DILUTE LIQUID AND SHOULD BE USED TO COOL FIRE-EXPOSED
CONTAINERS.
Fire Fighting Procedures:WEAR PROTECTIVE CLOTHING AND NIOSH-APPROVED
SELF-CONTAINED BREATHING APPARATUS WITH FULL FACEPIECE OPERATED IN
POSITIVE PRESSURE MODE.
Unusual

Fire/Explosion Hazard:VAPOR IS HEAVIER THAN AIR AND CAN TRAVEL
CONSIDERABLE DISTANCE TO A SOURCE OF IGNITION AND BE IGNITED.
CONTAINERS MAY RUPTURE DUE TO VAPOR PRESSURE BUILDUP.

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

Spill Release Procedures:WEAR PROTECTIVE EQUIPMENT. ELIMINATE SOURCES
OF IGNITION. VENTILATE AREA. REMOVE SPILL WITH NON-FLAMMABLE
ABSORBENT SUCH AS SAND/CLAY. PLACE IN CONTAINER FOR DISPOSAL. WASH
SPILL SITE AFTER PICK UP IS CO
MPLETE. PREVENT LIQUID FROM
ENTERINGSEWER.
Neutralizing Agent:NOT RELEVANT

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

Handling and Storage Precautions:STORE IN TIGHTLY CLOSED CONTAINERS IN
VENTILATED AREA AWAY FROM IGNITION SOURCES & STRONG OXIDIZING
AGENTS. KEEP OUT OF REACH OF CHILDREN.
Other Precautions:USE IN WELL VENTILATED AREA/HOOD. AVOID BREATHING
VAPORS. DO NOT GET IN EYES, ON SKIN/ON CLOTHING. WASH THOROUGHLY
AFTER HANDLING AND BEFORE EATI
NG OR DRINKING. ALL FIVE-GALLON PAILS
AND LARGER METAL CONTAINERS SHOULD BE GROUNDED.

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

Respiratory Protection:IF TLV IS EXCEEDED OR FOR SYMPTOMS OF OVER
EXPOSURE, WEAR NIOSH-APPROVED ORGANIC VAPOR RESPIRATOR OR
AIR-SUPPLIED RESPIRATOR. IN EMERGENCY, WEAR A NIOSH-APPROVED
POSITIVE-PRESSURE SELF-CONTAINED BREAT HING APPARATUS.
Ventilation:MECHANICAL (GENERAL AND/OR LOCAL EXHAUST, EXPLOSION-PROOF)
VENTILATION
TO MAINTAIN EXPOSURE BELOW TLV(S).
Protective Gloves:NITRILE RUBBER
Eye Protection:SAFETY GLASSES/CHEMICAL SPLASH GOGGLES
Other Protective Equipment:EYE WASH STATION & SAFETY SHOWERS SHOULD BE
AVAILABLE IN THE IMMEDIATE VICINITY OF ANY POTENTIAL EXPOSURE. LAB
COAT
Work Hygienic Practices:OBSERVE GOOD INDUSTRIAL HYGIENE PRACTICES AND
RECOMMENDED PROCEDURES.
Supplemental Safety and Health

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

HCC:V4
NRC/State Lic Num:NO

T RELEVANT

Melt/Freeze Pt:M.P/F.P Text:-121F,-85C

Vapor Pres:0 @ 68F

Vapor Density:>1

Spec Gravity:1.021 - 1.025

VOC Grams/Liter:8.51

Viscosity:3.4 CPS

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

Solubility in Water:COMPLETELY MISCIBLE

Appearance and Odor:CLEAR LIQUID - MILD ODOR

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS

Stability Condition to Avoid:HIGH HE

AT, FLAMES

Hazardous Decomposition Products:CARBON MONOXIDE, CARBON DIOXIDE, SMOKE

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS. MAY BE BURNED IN AN APPROVED CHEMICAL INCINERATOR. RECYCLING OR REUSING IS RECOMMENDED. IF RUN-OFF OCCURS, NOTIFY PROPER AUTHORITIES AS REQUIRED, THAT A SPILL HAS OCCURED.

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