

ASHLAND CHEMICAL CO -- GLYCOL ETHER DM -- 6850-01-377-5074

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

Product ID:GLYCOL ETHER DM

MSDS Date:03/03/1997

FSC:6850

NIIN:01-377-5074

MSDS Number: CKBCD

=== Responsible Party ===

Company Name:ASHLAND CHEMICAL CO

Box:2219

City:COLUMBUS

State:OH

ZIP:43216

Country:US

Info Phone Num:614-790-3333

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

Resp. Party Other MSDS Num.:M

SDS NO. : 999.0004672-005.001

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:CHEMICAL SPECIALISTS AND DEVELOPMENT INC

Address:2210 HACKBERRY LN

Box:687

City:CONROE

State:TX

ZIP:77305

Country:US

Phone:409-756-1065

Contract Num:SP0411-02-M-E631

CAGE:4N760

Company Name:CHEMICAL SPECIALISTS AND DEVELOPMENT INC

Address:2210 HACKBERRY LN

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S

tate:TX
ZIP:77305
Country:US
Phone:409-756-1065
Contract Num:SP0450-02-M-M326
CAGE:4N760

=====
Composition/Information on Ingredients
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Ingred Name:DIETHYLENE GLYCOL MONOMETHYL ETHER
CAS:111-77-3
RTECS #:KL6125000
= Wt:100.
Other REC Limits:NONE RECOMMENDED

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Hazards Identification
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LD50 LC50 Mixture:NONE PROVIDED BY MFR.
Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:YES IARC:YES OS
HA:YES
Health Hazards Acute and Chronic:TARGET ORGANS: LIVER ABNORMALITIES,
TESTIS DAMAGE, & KIDNEY DAMAGE. EYES: MAY CAUSE MILD IRRITATION.
SKIN: MAY CAUSE MILD IRRITATION. INGESTION: SWALLOWING SMALL
AMOUNTS OF THIS MATERIAL DURING NORM AL HANDLING IS NOT LIKELY TO
CAUSE HARMFUL EFFECTS. SWALLOWING LARGE AMOUNTS MAY BE HARMFUL.
INHALATION: BREATHING SMALL AMOUNTS OF THIS MATERIAL DURING NORMAL
HANDLING IS NOT LIKELY TO CAUSE HARMFUL EFFECTS. BREATHING LARGE
AMOU
NTS MAY BE HARMFUL.
Effects of Overexposure:EYES: STINGING, TEARING, AND REDNESS. SKIN:
REDNESS & BURNING OF SKIN. INGESTION: STOMACH OR INTESTINAL UPSET
(NAUSEA, VOMITING, DIARRHEA). INHALATION: SYMPTOMS USUALLY OCCUR
AT AIR CONCENTRATIONS HIGHER THAN THE RECOMMENDED EXPOSURE LIMITS,
THIS INCLUDES IRRITATION OF THE NOSE, THROAT, & AIRWAY MAY OCCUR.

=====
First Aid Measures
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First Aid:EYES: IMMEDIATELY FLUSH EYES GENTLY WITH WATER F
OR AT LEAST
15 MINS WHILE HOLDING EYELIDS APART. IF SYMPTOMS DEVELOP AS A
RESULT OF VAPOR EXPOSURE , IMMEDIATELY MOVE INDIVIDUAL AWAY FROM
EXPOSURE INT O FRESH AIR BEFORE FLUSHING AS RECOMMENDED ABOVE. SEEK
IMMEDIATE MEDICAL ATTENTION. SKIN: REMOVE CONTAMINATED CLOTHING.
WASH EXPOSED AREAS WITH SOAP & WATER. INHALATION: IF SYMPTOMS
DEVELOP, IMMEDIAT ELY MOVE INDIVIDUAL AWAY FROM EXPOSURE & INTO
FRESH AIR. SEEK IMMEDIATE MEDICAL ATTENTION. INGESTION: IF
INDIVI

DUAL IS CONSCIOUS & ALERT, INDUCE VOMITING BY GIVING SYRUP OF IPECAC OR BY PLACING TWO FINGERS DOWN THROAT.

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

Flash Point Method:SCC

Flash Point:=91.7C, 197.F

Lower Limits:NO DATA

Upper Limits:NO DATA

Extinguishing Media:ALCOHOL FOAM, CARBON DIOXIDE, DRY CHEMICAL

Fire Fighting Procedures:WATER MAY BE USED TO EXTINGUISH FIRE BY COOLING & DILUTING LIQUID WITH WATER. WEAR A SELF CONTAINED BREATHING APPARATUS WITH A FU

LL FACEPIECE OPERATED IN THE POSITIVE

PRESSURE DEMAND MODE WITH APPROPRIATE TURN-OUT GEAR & CHEMICAL RESISTANT PERSONAL PROTECTIVE EQUIPMENT.

Unusual Fire/Explosion Hazard:VAPORS ARE HEAVIER THAN AIR & MAY TRAVEL ALONG THE GROUND OR BE MOVED BY VENTILATION & IGNITED BY HEAT, PILOT LIGHTS, OTHER FLAMES & IGNITION SOURCES AT LOCATIONS DISTANT FROM MATERIAL HANDLING POINT. NEVER USE WELDING/CUTTING TORCH ON/ NEAR DRUM (EVEN EMPTY) BECAUSE PRODUCT (EVEN JUST RESIDUE) CAN

IGNITE EXPLOSIVELY.

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

Spill Release Procedures:SM SPILL: ABSORB LIQUID ON VERMICULITE, FLOOR ABSORBENT, OR OTHER ABSORBENT MATERIAL & TRANSFER TO HOOD. LG SPILL: ELIMINATE IGNITION SOURCES. WEAR PROTECTIVE EQUIPMENT. STOP SPILL AT SOURCE. PREVENT FROM ENTERING DRAINS, SEWERS, STREAMS OR OTHER BODIES OF WATER. PUMP OR VACUUM TRANSFER SPILLED PRODUCT TO CLEAN CONTAINERS FOR RECOVERY. ABSORB UNRECOVERABLE PRODUCT.

CONTAINERIZE..

Neutralizing Agent:NONE PROVIDED BY MFR.

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

Handling and Storage Precautions:CONTAINERS OF THIS MATERIAL MAY BE HAZARDOUS WHEN EMPTIED.

Other Precautions:SUDDEN RELEASE OF HOT ORGANIC CHEMICAL VAPORS OR MISTS FROM PROCESS EQUIPMENT OPERATING AT ELEVATED TEMPERATURE & PRESSURE, OR SUDDEN INGRESS OF AIR INTO VACUUM EQUIPMENT, MAY RESULT IN IGNITION WITHO UT THE PRESENCE OF OBVIOUS IGNITION

SOURCES.

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

Respiratory Protection:IF OVEREXPOSURE HAS BEEN DETERMINED OR DOCUMENTED, A NIOSH/MSHA JOINTLY APPROVED AIR SUPPLIED RESPIRATOR IS ADVISED IN ABSENCE OF PROPER ENVIRONMENTAL CONTROL. OSHA REGULATIONS ALSO PERMIT OTHER NIOSH /MSHA RESPIRATORS UNDER SPECIFIED CONDITIONS. ENGINEERING OR ADMINISTRATIVE CONTROLS SHOULD BE IMPLEMENTED TO REDUCE EXPOSURE.

Ventilation:MECHANICAL (GENERAL AND/OR LOCAL EXHAUST) VENTILATION TO MAINTAIN EXPOSURE BELOW LEVEL OF OVEREXPOSURE.

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. IMPERVIOUS CLOTHING & BOOTS.

Work Hygienic Practices:OBSERVE GOOD INDUSTRIAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES.

Supplemental Safety and Health

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

HCC:V5

NRC/State Lic Num:NOT RELEVANT

Boiling Pt:B.P. Text:NO DATA

Melt/Freeze Pt:=-85.C, -121.F

Vapor Density:4.150

Spec Gravity:1.021 - 1.025 @ 68 DEG F

pH:NO DATA

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: NONE PROVIDED BY MFR.

Hazardous Decomposition Products: CARBON MONOXIDE, CARBON DIOXIDE

Conditions to Avoid Polymerization: WILL NOT OCCUR

===== 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 REGULATIONS.

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

Transport Information: DOT: COMBUSTIBLE LIQUID (DIETHYLENE GLYCOL
MONOMETHYL ETHER), NOS NA1993, III

===== Regulatory Information =====

SARA Title III Information: SECTION 311/312 HAZARD CLASS - 40 CFR 370.2:
DELAYED & FIRE. SARA 313 COMPONENTS - 40 CFR 372.65: DIETHYLENE
GLYCOL MONOMETHYL ETHER (CAS# 11-88-3
, 100%).

Federal Regulatory Information: TSCA- THE INTENTIONAL INGREDIENTS OF
THIS PRODUCT ARE LISTED.

State Regulatory Information: NEW JERSEY RTK LABEL INFORMATION:
DIETHYLENE GLYCOL MONOMETHYL ETHER (CAS# 111-77-3). PENNSYLVANIA
RTK LABEL INFORMATION: ETHANOL, 2-(2-METHOXYETHOXY)- (CAS#
111-77-3).

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