

ASHLAND CHEMICAL COMPANY -- GLYCOL ETHER DM -- 6850-01-089-5514

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Product Identification  
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Product ID:GLYCOL ETHER DM

MSDS Date:03/03/1997

FSC:6850

NIIN:01-089-5514

MSDS Number: BGLKH

=== Responsible Party ===

Company Name:ASHLAND CHEMICAL COMPANY

Box:2219

City:COLUMBUS

State:OH

ZIP:43216

Country:US

Info Phone Num:614-790-3333

Emergency Phone Num:1-800-274-5263

CAGE:5A188

=== Contractor I

dentification ===

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

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Composition/Information on Ingredients  
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Ingred Name:DIETHYLENE GLYCOL MONOMETHYL ETHER

CAS:111-77-3

RTECS #:KL6125000

= Wt:100.

Other REC Li

mits:NONE

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:TARGET ORGANS: LIVER, TESTES, &  
KIDNEYS. EYES: MAY CAUSE MILD IRRITATION. SKIN: MAY CAUSE MILK  
IRRITATION. INGESTION: SWALLOWING SMALL AMOUNTS OF MATERIAL DURING  
NORMAL HANDLING IS NOT LIKELY TO CAUSE HARMFUL EFFECTS. LARGE  
AMOUNTS MAY BE HARMFUL. INHALATION: BREATHING LARGE AMOUNTS MAY BE  
HARMFUL.

Explanation of Carcinogenicity:PRODUCT IS NOT LISTED AS A CARCINOGEN BY  
IARC, NTP, OR OSHA.

Effects of Overexposure:SIGNS & SYMPTOMS OF EXPOSURE TO THIS MATERIAL  
THROUGH BREATHING, SWALLOWING, AND/OR PASSAGE OF THE MATERIAL  
THROUGH THE SKIN MAY INCLUDE: STOMACH OR INTESTINAL UPSET (NAUSEA,  
VOMITING, DIARRHEA), IRRITATION (NOSE, THROAT, AIRWAYS). EYES:  
STINGING, TEARING, & REDNESS. SKIN: REDNESS & BURNING.

Medical Conditions Aggravated by Exposure:MAY AGGRAVATE PRE-EXISTING  
DISORDERS OF: LIVER ABNORMALITIES, TESTIS DAMAGE, & KIDNEY DAMAGE.

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

First Aid:EYES: IMMEDIATELY FLUSH GENTLY WITH WATER FOR AT LEAST 15 MIN  
WHILE HOLDING EYELIDS APART. SEEK IMMEDIATE MEDICAL ATTENTION. SKIN:  
REMOVE CONTAMINATED CLOTHING. WASH EXPOSED AREA WITH SOAP & WATER.  
IF SYMPTOMS PERSIST, SEEK MEDICAL ATTENTION. INGESTION: SEEK MEDICAL  
ATTENTION. IF INDIVIDUAL IS DROWSY OR UNCONSCIOUS, DON'T GIVE ANYTHING  
BY MOUTH; PLACE INDIVIDUAL ON THE LEFT SIDE WITH THE HEAD DOWN. IF  
INDIVIDUAL IS CONSCIOUS & ALERT, INDUCE VOMITING BY GIVING SYRUP  
OF IPECAC OR BY GENTLY PLACING TWO FINGERS AT THE BACK OF THE  
THROAT. INHALATION: IF SYMPTOMS PRESENT, IMMEDIATELY MOVE PERSON AWAY  
FROM EXPOSURE & INTO FRESH AIR. SEEK DOCTOR.

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

Flash Point Method:SCC  
Flash Point:=-91.7C, 197.F  
Autoignition Temperature

emp:Autoignition Temp Text:NO DAT

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 WTER. WEAR A SELF-CONTAINED BREATHING APPARATUS WITH A FULL PACEPIECE 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.

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

Spill Release Procedures:SM SPILL: ABSORB LIQUID ON VERMICULITE, FLOOR ABSORBENT, OR OTHER ABSORBENT MATERIAL & TRANSFER TO HOOD. LG SPILL: ELIMINATE ALL IGNITION SOURCES. WEAR PROTECTIVE EQUIPMENT. STOP SPILL AT SOURCE. PR

VENT FROM ENTERING DRAINS, SEWERS, STREAMS OR OTHER BODIES OF WATER. PUMP OR VACUUM TRANSFER SPILLED PRODUCT TO CLEAN CONTAINERS. ABSORBE UNRECOVERABLE PRODUCT. NOTIFY AUTHORITIES AS REQUIRED.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

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

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

Respir

atory Protection:IF OVEREXPOSURE HAS BEEN DETERMINED OR DOCUMENTED, NIOSH/MSHA

Ventilation:PROVIDE SUFFICIENT VENTILATION TO MAINTAIN EXPOSURE BELOW PEL/TLV. SUPPLEMENT WITH LOCAL EXHAUST IF NEEDED.

Protective Gloves:NITRILE RUBBER

Eye Protection:CHEMICAL SPLASH GOGGLES/ SAFETY GLASSES

Other Protective Equipment:CHEMICAL RESISTANT CLOTHING AS NECESSARY TO PREVENT SKIN CONTACT. AN EMERGENCY EYEWASH AND SHOWER SHOULD BE AVAILABLE.

Work Hygienic Practices:WASH HANDS THOROUGHLY WITH

SOAP AND WATER

BEFORE EATING, DRINKING, SMOKING OR USING TOILET FACILITIES.

Supplemental Safety and Health

NONE SPECIFIED BY MANUFACTURER.

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

HCC:V4

Boiling Pt:B.P. Text:NO DATA

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

Vapor Pres:.000 @ 68 F (FOR PRODUCT)

Vapor Density:4.150

Spec Gravity:1.021 - 1.025 @ 68 DEG F

VOC Grams/Liter:8.51

Viscosity:3.4 CPS

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

Solubility in Water:COMPLETE

LY MISCIBLE

Appearance and Odor:COLORLESS 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 DIOXIDE, CARBON MONOXIDE

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 ALL APPLICABLE  
LOCAL, STATE, AND FEDERAL REGULATIONS.

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

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

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

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SARA Title III Information:NO SARA 302 COMPONENTS. DELAYED AND FIRE HAZARD CLASS FOR SECTION 311/312. SARA 313 COMPONENTS: DIETHYLENE GLYCOL MONOMETHYL ETHER.

Federal Regulatory Information:RSCA- THE INTENTIONAL INGREDIENTS OF THIS PRODUCT ARE LISTED. NO CERCLA RQ ITEMS.

State Regulatory Information:CALIFORNIA PROPOSITION 65: NONE. NEW JERSEY RTK LABEL INFORMATION: DIETHYLENE GLYCOL MONOMETHYL ETHER. PENNSYLVANIA RTK LABEL INFORMATION: ETHANOL, 2-(2-METHOXYETHOXY)-

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