

ASHLAND CHEMICAL COMPANY -- GLYCOL ETHER DM -- 6850-01-057-6427

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

Product ID:GLYCOL ETHER DM

MSDS Date:10/17/1990

FSC:6850

NIIN:01-057-6427

MSDS Number: BGJNS

=== 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:606-324-1133

CAGE:5A188

=== Contractor Ide

ntification ===

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

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

Ingred Name:DIETHYLENE GLYCOL MONOMETHYL ETHER

CAS:111-77-3

RTECS #:KL6125000

Fraction by Wt: >95%

Other REC Limits:NONE

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

Routes of Entry: Inhalation:NO Skin:YES Ingestion:YES

Reports of Carc

inogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:PRODUCT IS IRRITATING TO BODY TISSUES.

IT PRODUCES CNS EFFECTS IF INHALED BUT IS ONLY SLIGHTLY TOXIC IF  
INGESTED. CHRONIC EFFECTS (ANIMAL) INCLUDE FETAL TOXICITY, BIRTH  
DEFECTS, LIVER DAMAGE, KIDNEY DAMAGE, TESTICULAR DAMAGE.

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

Effects of Overexposure:EYES:IRRITATION,REDNESS,TEARING. SKIN:SLIGHT  
IRRITATION. INHALA

TION:NASAL & RESPIRATORY IRRITATION, DIZZINESS,  
WEAKNESS, FATIGUE, NAUSEA, HEADACHE. INGESTION: GASTROINTESTINAL  
IRRITATION,NAUSEA, SIM ILAT SYMPTOMS AS INHALED.

Medical Cond Aggravated by Exposure:NO INFORMATION GIVEN ON MSDS BY  
SUPPLIER

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

First Aid:EYE:FLUSH W/WATER 15 MIN, HOLD LIDS OPEN. SKIN:REMOVE  
CONTAMINATED CLOTHING AND LAUNDRER BEFORE REUSE. WASH WITH SOAP &  
WATER. INHALED:REMOVE TO FRESH AIR. RESTO

RE BREATHING AS NEEDED.

INGESTED:IMMEDIA TELY GIVE 2 LARGE GLASSES OF MILK OR WATER AND  
INDUCE VOMITING. (NOTHING BY MOUTH IF UNCONSCIOUS.) GET IMMEDIATE  
MEDICAL CARE. IF ANY IRRITATION PERSISTS OR IS SEVERE, SEE A  
DOCTOR.

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

Flash Point Method:SCC

Flash Point:197F,92C

Lower Limits:1.4

Upper Limits:22.7

Extinguishing Media:ALCOHOL FOAM, CO\*2, DRY CHEM.

Fire Fighting Procedures:FIRE FIGHTERS SHOULD USE NIOSH APPR  
OVED SCBA &

FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE. WATER MAY BE  
USED TO COOL CONTAINERS AND DILUTE LIQUID.

Unusual Fire/Explosion Hazard:USE CAUTION AROUND EMPTY CONTAINERS. DO  
NOT WELD, CUT ETC. THEM. VAPORS HEAVIER THAN AIR, CAN TRAVEL A LONG  
DISTANCE ALONG GROUND AND FLASHBACK.

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

Spill Release Procedures:SMALL SPILL:ABSORB ON INERT MATERIAL AND  
TRANSFER TO HOOD. LARGE:ELIMINATE SOURCES OF

IGNITION. EVACUATE

PEOPLE W/O PROTECTIVE EQUIPMENT. STOP AT SOURCE. PREVENT FROM ENTERING DRAINS, SEWERS, WATERWAY S. RECOVER LIQUID. ABSORB REMAINDER. DRUM FOR DISP.

Neutralizing Agent: NONE

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

Handling and Storage Precautions: AVOID ALUMINUM CONTAINERS.

Other Precautions: GROUND CONTAINERS WHEN TRANSFERRING LIQUID, ESPECIALLY FOR 5 GALLON LARGER CONTAINERS.

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

Respiratory Protection: RESPIRATOR WILL NOT NORMALLY BE NECESSARY. USE NIOSH/MSHA APPROVED AIR SUPPLIED RESPIRATOR OR SCBA IF EXPOSURE IS ABOVE THE TLV/PEL. SEE 29 CFR 1910.134 FOR REGULATIONS PERTAINING TO RESPIRATOR USE.

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

Protective Gloves: NITRILE RUBBER

Eye Protection: CHEM SPLASH GOGGLES

Other Protective Equipment: IMPERVIOUS CLOTHING & BOOTS AS NEEDED TO

PREVENT SKIN CONTACT. HMIS: EYE WASH STATION AND SAFETY SHOWER, Work Hygienic Practices: HMIS: USE GOOD CHEMICAL HYGIENE PRACTICE. AVOID UNNECESSARY CONTACT. WASH THOROUGHLY BEFORE EATING OR DRINKING.

Supplemental Safety and Health  
NONE.

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

HCC: N1

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

Vapor Pres: 0.10 MM

Vapor Density: 4.1

Spec Gravity: 1.026

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

Appearance and Odor: NO INFORM

ATION GIVEN ON MSDS BY SUPPLIER

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS

Stability Condition to Avoid:NO INFORMATION GIVEN ON MSDS BY SUPPLIER.

HMIS:IGNITION SOURCES.

Hazardous Decomposition Products:NO INFORMATION GIVEN ON MSDS BY  
SUPPLIER

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

Waste Disposal Methods:DISPOSE I/A/W ALL FEDERAL, STA  
TE AND LOCAL

REGULATIONS. MANUFACTURER MAKES NO SUGGESTIONS AS TO METHOD OF  
DISPOSAL.

Disclaimer (provided with this information by the compiling agencies):

This information is formulated for use by elements of the Department  
of Defense. The United States of America in no manner whatsoever,  
expressly or implied, warrants this information to be accurate and  
disclaims all liability for its use. Any person utilizing this  
document should seek competent professional advice to verify  
and  
assume responsibility for the suitability of this information to their  
particular situation.