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## **DOWANOL DPM GLYCOL ETHER, 000045**

### **MSDS Number**

BXDSK

### **National Stock Number**

6850-00N010860

### **Product Name**

DOWANOL DPM GLYCOL ETHER, 000045

### **Manufacturer**

DOW CHEMICAL USA

### **Product Identification**

Product ID:DOWANOL DPM GLYCOL ETHER, 000045

MSDS Date:07/13/1993

FSC:6850

NIIN:00N010860

MSDS Number: BXDSK

### **Responsible Party**

DOW CHEMICAL USA

2020 DOW CNTR

MIDLAND , MI 48674

US

Emergency Phone: 517-636-4400

Info Phone: 800-258-2436

Cage: EO044

### **Contractor**

DOW CHEMICAL USA

MIDLAND, MI 48640-6030

US

800-258-2436

Cage: EO044

### **Ingredients**

RSLTS OF IN

RTECS: 9999999ZZ

IN RESPONSE TO REACTIONS OF PATIENT.

RTECS: 9999999ZZ

EVALUATION IS REQD. (SEE, FOR EXAMPLE, 40

RTECS: 9999999ZZ

ANY DISP PRACTICE MUST BE IN COMPLIANCE W/FED, STATE,

RTECS: 9999999ZZ

AGENCIES FOR YOUR LOCATION.

RTECS: 9999999ZZ

DIPROPYLENE GLYCOL, MONOMETHYL ETHER; (DIPROPYLENE GLYCOL

CAS: 34590-94-8

RTECS: JM1575000

Fraction By Weight: 99%

OSHA PELS, 100 PPM

ACGIH TLV: S,100PPM/150 STEL

951 G/L OR 7.91 LG/GAL

RTECS: 9999999VO

## Hazards

LD50 LC50 Mixture:LD50:(ORAL,RAT)5.4 ML/KG

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:EYE:MAY CAUSE SLIGHT TRANSIENT

(TEMPORARY) IRRIT. CORNEAL INJURY IS UNLIKELY. SKIN:PRLNGD EXPOS

NOT LIKELY TO CAUSE SIGNIFICANT IRRIT. SKIN ABSORP:PRLNGD SKIN CONT

W/VERY LG AMTS OF DOWANOL DPM MAY CAUSE DROW. INGEST:SINGLE DOSE

ORAL TOX IS LOW. SM AMTS SWALLOWED INCIDENTAL TO NORM HNDLG

OPERATIONS ARE(EFTS OF OVEREXP)

Explanation of Carcinogenicity:NOT RELEVANT.

Effects of Overexposure:HLTH HAZ:NOT LIKELY TO CAUSE INJURY; SWALLOWING

AMTS LG/THAT MAY CAUSE INJURY. INHAL:SIGNS & SYMPS OF EXCESS EXPOS

MAY BE ANESTH/NARC EFTS. SYSTEMIC (OTHER TARGET

ORGAN)EFTS:OBSERVATIONS IN ANIMALS IN CL MINOR LIVER/KIDNEY EFTS.

TERATOLOGY (BIRTH DEFECTS):BIRTH DEFECTS ARE UNLIKELY. EXPOS HAVING

NO (SUPDAT)

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

## First Aid

First Aid:EYES:FLUSH W/PLENTY OF WATER FOR @ LEAST 15 MINS. SKIN:WASH

OFF IN FLOWING WATER/SHOWER. INGEST:INDUCE VOMIT IF LG AMTS ARE

INGEST. CONSULT MED PERS. INHAL:REMOVE TO FRESH AIR. IF NOT BRTHG,

GIVE ARTF RESP. IF BRTHG IS DFCLT, OXYG SHOULD BE ADMIN BY

QUALIFIED PERS. CALL PHYS/TRANSPORT TO MED FACILITY. NOTE TO

PHYS:NO SPECIFIC ANTIDOTE. SUPPORTIVE CARE. TREATMENT BASED ON

JUDGMENT OF PHYS (ING 4)

## Fire Fighting

Flash Point Method:TCC

Flash Point:175F,79C

Lower Limits:1.1%

Upper Limits:14%

Extinguishing Media:WATER FOG, CO\*2, DRY CHEM, FOAM. LG SCALE FIRES,

ALCOHOL RESIST FOAMS ARE PREF IF AVAIL. GEN PURPOSE SYNTHETIC

(SUPDAT)

Fire Fighting Procedures:USE NIOSH/MSHA APPROVED SCBA & FULL PROTECTIVE EQUIPMENT .

Unusual Fire/Explosion Hazard:KEEP UNNEC PEOPLE AWAY; ISOLATE HAZ AREA

& DENY UNNEC ENTRY. WHEN USING WATER SPRAY, BOIL OVER MAY OCCUR

WHEN PROD TEMP REACHES BOILING POINT OF WATER (SUPDAT)

## Accidental Release

Spill Release Procedures:KEEP OUT OF SEWERS, STORM DRAINS, SURF WATERS

& SOIL. SOAK UP W/SUITABLE NON-REACTIVE ABSORB MATL. COLLECT W/RUBB

SHOVEL INTO SUITABLE CONTNRS FOR DISP.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

## Handling

Handling and Storage Precautions:SPILLS OF THESE ORG LIQ ON HOT FIBROUS INSULATIONS MAY LEAD TO LOWERING OF AUTOIGNIT TEMP POSSIBLY RSLTG IN SPONT COMBUST.

Other Precautions:CNTNRS, EVEN THOSE THAT HAVE BEEN EMPTIED, CAN CNTN VAP. DO NOT CUT, DRILL, GRIND, WELD/PERFORM SIMILAR OPERATIONS ON/NEAR EMPTY CNTNRS. WILL PRODUCE FLAM VAPORS ABOVE FLASH POINT.

## Exposure Controls

Respiratory Protection:WHEN AIRBORNE EXPOS GUIDELINES AND/OR COMFORT LEVELS MAY BE EXCEEDED, USE NIOSH/MSHA APPRVD AIR-PURIFYING RESPIRATOR.

Ventilation:LOCAL EXHAUST VENT MAY BE NECESSARY FOR SOME OPERATIONS.

Protective Gloves:IMPERVIOUS GLOVES.

Eye Protection:ANSI APPRVD CHEM WORKERS GOGGLES .

Other Protective Equipment:CLEAN BODY-COVERING CLTHG SHOULD BE NEEDED.

ANSI APPRVD EMERGENCY EYE WASH & DELUGE SHOWER .

Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health

EXTING MEDIA:FOAMS/PROTEIN FOAMS MAY FUNCTION, BUT MUCH LESS EFTIVELY.

WATER MAY BE USED TO FLUSH SPILLS AWAY FROM FIRE EXPOS & TO DILUTE

SPILLS TO NON-FLAM MIX. IF POSS, CNTN FIRE RUN OFF WATER. EXPL O

HAZ:(TANK TYPE SCENARIOS, NOT SPILLS). EFTS OF OVEREXP:ADVERSE EFTS

ON MOTHER SHOULD HAVE NOT EFT ON FETUS. (ING 3)

## Chemical Properties

Boiling Pt:B.P. Text:363F,184C

Vapor Pres:0.55 @ 25C

Vapor Density:5.14

Spec Gravity:0.951 @ 25C

Evaporation Rate & Reference:NOT KNOWN

Solubility in Water:INFINITELY

Appearance and Odor:CLEAR, COLORLESS LIQUID

## Stability

Stability Indicator/Materials to Avoid:YES

OXIDIZING MATERIAL.

Stability Condition to Avoid:STABLE UNDER NORMAL STORAGE CONDITIONS.

Hazardous Decomposition Products:COMBUST MAY PRDCE CO\*2, CO AND WATER.

UNIDENTIFIED ORGANIC COMPOUNDS MAY BE FORMED DURING COMBUSTION.

## Disposal

Waste Disposal Methods:DO NOT DUMP INTO ANY SEWERS, ON GROUND/INTO ANY BODY OF WATER. FOR UNUSED/UNCONTAMD MATL, PREF MANAGEMENT OPTIONS ARE TO SEND TO LICENSED RECYCLER, RECLAIMER/INCINERATOR. SAME MANAGEMENT OPTIONS ARE R EC FOR USED/CONTAMD MATL, ALTHOUGH ADDTNL (ING 5)

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