

DIETHYLENE GLYCOL MONOMETHYL ETHER**0040**
April 2004

CAS No: 111-77-3
RTECS No: KL6125000
EC No: 603-107-00-6

2-(2-Methoxyethoxy)ethanol
DEGME
 $C_5H_{12}O_3$ / $CH_3O(CH_2)_2O(CH_2)_2OH$
Molecular mass: 120.2

TYPES OF HAZARD/ EXPOSURE	ACUTE HAZARDS/SYMPTOMS	PREVENTION	FIRST AID/FIRE FIGHTING
FIRE	Combustible.	NO open flames.	Powder, alcohol-resistant foam, water spray, carbon dioxide.
EXPLOSION	Above 93/C explosive vapour/air mixtures may be formed.	Above 93/C use a closed system, ventilation.	

EXPOSURE		PREVENT GENERATION OF MISTS! AVOID EXPOSURE OF (PREGNANT) WOMEN!	
Inhalation		Ventilation.	Fresh air, rest.
Skin	Dry skin.	Protective gloves.	Remove contaminated clothes. Rinse skin with plenty of water or shower.
Eyes		Safety spectacles.	First rinse with plenty of water for several minutes (remove contact lenses if easily possible), then take to a doctor.
Ingestion		Do not eat, drink, or smoke during work.	Rinse mouth.

SPILLAGE DISPOSAL	PACKAGING & LABELLING
Collect leaking and spilled liquid in sealable containers as far as possible. Wash away remainder with plenty of water.	Xn Symbol R: 63 S: (2-)36/37

EMERGENCY RESPONSE	STORAGE
NFPA Code: H1; F2; R0	Separated from strong oxidants. Ventilation along the floor.

IMPORTANT DATA

Physical State; Appearance

COLOURLESS LIQUID.

Chemical dangers

The substance can presumably form explosive peroxides.
 Reacts with strong oxidants.

Occupational exposure limits

TLV not established.
 MAK not established.

Routes of exposure

The substance can be absorbed into the body by inhalation,
 through the skin and by ingestion.

Inhalation risk

No indication can be given about the rate in which a harmful
 concentration in the air is reached on evaporation of this
 substance at 20/C.

Effects of long-term or repeated exposure

The liquid defats the skin. Animal tests show that this substance
 possibly causes toxicity to human reproduction or development.

PHYSICAL PROPERTIES

Boiling point: 193/C

Relative density (water = 1): 1.04

Solubility in water: very good

Vapour pressure, Pa at 20/C: 30

Relative vapour density (air = 1): 4.1

Relative density of the vapour/air-mixture at 20/C (air = 1): 1.001

Flash point: 93/C o.c.

Auto-ignition temperature: 215/C

Explosive limits, vol% in air: 1.6-18.1

Octanol/water partition coefficient as log Pow: -1.14/-0.93
(calculated)

ENVIRONMENTAL DATA

NOTES

Methyl carbitol, Poly-Solv DM, Methyl Digol and Dowanol DM are trade names.

Check for peroxides prior to distillation; eliminate if found.

ADDITIONAL INFORMATION

LEGAL NOTICE

Neither the EC nor the IPCS nor any person acting on behalf of the EC or the IPCS is responsible