

TRIETHYLENE GLYCOL MONOETHYL ETHER

0718
April 2004

CAS No: 112-50-5
RTECS No: KK8950000

2-(2-(2-Ethoxyethoxy)ethoxy)ethanol
Ethoxytriglycol
Triglycol monoethyl ether
Ethoxytriethylene glycol
TEGEE
 $C_8H_{18}O_4$ / $CH_3CH_2(OCH_2CH_2)_3OH$
Molecular mass: 178.3

TYPES OF HAZARD/ EXPOSURE	ACUTE HAZARDS/SYMPTOMS	PREVENTION	FIRST AID/FIRE FIGHTING
FIRE	Combustible.	NO open flames.	Water spray, alcohol-resistant foam, powder, carbon dioxide.
EXPLOSION			

EXPOSURE			
Inhalation		Ventilation.	Fresh air, rest.
Skin	Dry skin.	Protective gloves.	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 liquid in sealable containers. Wash away remainder with plenty of water.	

EMERGENCY RESPONSE	STORAGE
NFPA Code: H0; F1; R0	Separated from strong oxidants. Ventilation along the floor.

IMPORTANT DATA

Physical State; Appearance

COLOURLESS HYGROSCOPIC LIQUID.

Chemical dangers

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

Occupational exposure limits

TLV not established.
MAK not established.

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.

PHYSICAL PROPERTIES

Boiling point: 255/C

Melting point: -19/C

Relative density (water = 1): 1.02

Solubility in water: very good

Vapour pressure, Pa at 20/C: 0.3

Relative vapour density (air = 1): 6.2

Relative density of the vapour/air-mixture at 20/C (air = 1): 1.00

Flash point: 135/C o.c.

Explosive limits, vol% in air: 1.0-6.5

Octanol/water partition coefficient as log Pow: -2.79 (calc.)

ENVIRONMENTAL DATA

NOTES

Trioxitol, Poly-solv TE, Triethoxol, Dowanol TE are trade names.

Health effects of exposure to the substance have not been investigated adequately.

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