

DIETHYLENE GLYCOL DIGLYCIDYL ETHER

0146

October 1997

CAS No: 4206-61-5
 RTECS No: KN2330000
 UN No:
 EC No:

bis(2-(2,3-Epoxypropoxy)ethyl) ether
 2,2'-(Oxybis(2,1-ethanediyloxymethylene))bis-oxirane
 $C_{10}H_{18}O_5$
 Molecular mass: 218.3

TYPES OF HAZARD/ EXPOSURE	ACUTE HAZARDS/SYMPTOMS	PREVENTION	FIRST AID/FIRE FIGHTING
FIRE	Combustible.	NO open flames.	Powder, water spray, foam, carbon dioxide.
EXPLOSION			

EXPOSURE	STRICT HYGIENE!		
Inhalation	Cough. Sore throat.	Local exhaust or breathing protection.	Fresh air, rest.
Skin	Redness.	Protective gloves.	Remove contaminated clothes. Rinse and then wash skin with water and soap.
Eyes	Redness.	Safety goggles, or eye protection in combination with breathing protection.	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. Rest.

SPILLAGE DISPOSAL	PACKAGING & LABELLING
Ventilation. Collect leaking and spilled liquid in sealable containers as far as possible. Wash away remainder with plenty of water.	Symbol R: S:

EMERGENCY RESPONSE	STORAGE
	Separated from strong oxidants.

IMPORTANT DATA

Physical State; Appearance

LIQUID.

Chemical Dangers

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

Occupational Exposure Limits

TLV not established.

Routes of Exposure

The substance can be absorbed into the body by inhalation.

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 Short-term Exposure

The substance irritates the eyes, the skin and the respiratory tract.

Effects of Long-term or Repeated Exposure

Repeated or prolonged contact may cause skin sensitization.

PHYSICAL PROPERTIES

Relative density (water = 1): see Notes

Solubility in water: see Notes

Relative vapour density (air = 1): 7.5

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

Explosive limits, vol% in air: see Notes

ENVIRONMENTAL DATA

NOTES

Boiling point, melting point, relative density, solubility in water, vapour pressure, relative density of the vapour/air mixture, flash point, explosive limits and auto-ignition temperature are unknown in literature. The substance is combustible but no flash point is available in literature. 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 for the use which might be made of this information