

TRIETHYLENE GLYCOL

1160

March 1996

CAS No: 112-27-6
 RTECS No: YE4550000
 UN No:
 EC No:

2,2'-(1,2-Ethanediyil bis (oxy))-bisethanol
 2,2'-Ethylenedioxybis(ethanol)
 Triglycol
 $C_6H_{14}O_4$ / $HOCH_2(CH_2CH_2O)_2CH_2OH$
 Molecular mass: 150.2

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			

EXPOSURE			
Inhalation		Ventilation.	
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. Absorb remaining liquid in sand or inert absorbent and remove to safe place.	Symbol R: S:

EMERGENCY RESPONSE	STORAGE
NFPA Code: H1; F1; R0;	

IMPORTANT DATA**Physical State; Appearance**

HYGROSCOPIC COLOURLESS LIQUID.

Occupational Exposure Limits

TLV not established.

Routes of Exposure

The substance can be absorbed into the body by inhalation of its vapour.

Inhalation Risk

A harmful contamination of the air will not or will only very slowly be reached on evaporation of this substance at 20°C.

PHYSICAL PROPERTIES

Boiling point: 285°C

Melting point: -5 to -7°C

Relative density (water = 1): 1.1

Solubility in water: very good

Vapour pressure, Pa at 20°C: 0.02

Relative vapour density (air = 1): 5.2

Flash point: 165°C

Auto-ignition temperature: 371°C

Explosive limits, vol% in air: 0.9-9.2

Octanol/water partition coefficient as log Pow: -1.24 to -1.9 (calc.)

ENVIRONMENTAL DATA**NOTES**

Health effects of exposure to the substance have been investigated, but none has been 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