

ETHYLENE GLYCOL DIBUTYL ETHER

1149
April 2004

CAS No: 112-48-1
RTECS No: KH9450000

1,2-Dibutoxyethane
1,1'-(1,2-Ethanediylobis(oxy))bis-butane
Dibutyl cellosolve
EGDBE
Dibutyl oxitol
 $C_{10}H_{22}O_2 / C_4H_9OC_2H_4OC_4H_9$
Molecular mass: 174.3

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 85/C explosive vapour/air mixtures may be formed.	Above 85/C use a closed system, ventilation.	

EXPOSURE			
Inhalation		Ventilation.	Fresh air, rest.
Skin	Dry skin. Redness.	Protective gloves.	Remove contaminated clothes. Rinse skin with plenty of water or shower.
Eyes	Redness.	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.	

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

IMPORTANT DATA

Physical State; Appearance

COLOURLESS LIQUID, WITH CHARACTERISTIC ODOUR.

Chemical dangersThe 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 short-term exposure

The substance is mildly irritating to the eyes and the skin.

Effects of long-term or repeated exposure

The liquid defats the skin.

PHYSICAL PROPERTIES

Boiling point: 203/C
Melting point: -69/C
Relative density (water = 1): 0.8
Solubility in water: poorVapour pressure, Pa at 20/C: 12
Relative vapour density (air = 1): 6
Relative density of the vapour/air-mixture at 20/C (air = 1): 1
Flash point: 85/C o.c.

ENVIRONMENTAL DATA

NOTES

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