

DIETHYLENE GLYCOL MONOBUTYL ETHER**0788**
April 2004CAS No: 112-34-5
RTECS No: KJ9100000
EC No: 603-096-00-82-(2-Butoxyethoxy)ethanol
Diglycol monobutyl ether
Butoxydiglycol
DEGBE
 $C_8H_{18}O_3$ / $CH_3(CH_2)_3OCH_2CH_2OCH_2CH_2OH$
Molecular mass: 162.2

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 78/C explosive vapour/air mixtures may be formed.	Above 78/C use a closed system, ventilation.	

EXPOSURE			
Inhalation		Ventilation. Local exhaust.	Fresh air, rest.
Skin	Dry skin.	Protective gloves.	Remove contaminated clothes. Rinse skin with plenty of water or shower.
Eyes	Redness. Pain.	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.	Xi Symbol R: 36 S: (2-)24-26

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: 100 mg/m³; Peak limitation category: I(1); Pregnancy risk
 group: C; (DFG 2003).

Inhalation risk

A harmful contamination of the air will be reached slowly on
 evaporation of this substance at 20/C; on spraying or
 dispersing, however, much faster.

Effects of short-term exposure

The substance is irritating to the eyes.

Effects of long-term or repeated exposure

The liquid defats the skin.

PHYSICAL PROPERTIES

Boiling point: 230/C

Melting point: -68/C

Relative density (water = 1): 0.95

Solubility in water: very good

Vapour pressure, Pa at 20/C: 3

Relative vapour density (air = 1): 5.6

Flash point: 78/C c.c.

Auto-ignition temperature: 223/C

Explosive limits, vol% in air: 0.8-9.4

Octanol/water partition coefficient as log Pow: 0.3

ENVIRONMENTAL DATA

NOTES

Check for peroxides prior to distillation; eliminate if found.

Butyl Carbitol, Butyl Dioxitol, Butyl ethyl Cellosolve, DB Glycol Ether, Dowanol DB, Ektasolve DB and Polysolv DB are trade names.

ADDITIONAL INFORMATION

LEGAL NOTICE

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