

ETHYLENE GLYCOL MONOPHENYL ETHER

0538
May 2003

CAS No: 122-99-6
RTECS No: KM0350000
EC No: 603-098-00-9

2-Phenoxyethanol
Phenyl cellosolve
 $C_8H_{10}O_2$ / $C_6H_5OC_2H_4OH$
Molecular mass: 138.2

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		PREVENT GENERATION OF MISTS!	
Inhalation	Cough. Sore throat. Euphoria. Headache. Drowsiness. Slurred speech.	Ventilation, local exhaust, or breathing protection.	Fresh air, rest.
Skin	MAY BE ABSORBED! Redness. Dry skin. Numbness of the hands and fingers. (Further see Inhalation).	Protective gloves. Protective clothing.	Rinse and then wash skin with water and soap.
Eyes	Redness. Pain.	Safety goggles.	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. Give plenty of water to drink. Refer for medical attention.

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. (Extra personal protection: filter respirator for organic gases and vapours.)	Xn Symbol R: 22-36 S: (2-)26

EMERGENCY RESPONSE	STORAGE
NFPA Code: H3; F1; R0	Separated from strong oxidants.

IMPORTANT DATA

Physical State; Appearance

OILY COLOURLESS LIQUID, WITH CHARACTERISTIC ODOUR.

Chemical dangers

Reacts with strong oxidants.

Occupational exposure limits

MAK: 20 ppm, 110 mg/m³; H; Peak limitation category: I(2);
Pregnancy risk group: C; (DFG 2002).

Routes of exposure

The substance can be absorbed into the body by inhalation of its aerosol, through the skin, and by ingestion.

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.

Effects of short-term exposure

The substance is irritating to the eyes, the skin and the respiratory tract. The substance may cause effects on the central nervous system and peripheral nervous system, resulting in impaired functions.

Effects of long-term or repeated exposure

The liquid defats the skin. The substance may have effects on the central nervous system, resulting in impaired functions.

PHYSICAL PROPERTIES

Boiling point: 245°C

Melting point: 14°C

Relative density (water = 1): 1.1

Solubility in water, g/100 ml: 2.7

Vapour pressure, kPa at 20°C: 0.0013

Relative vapour density (air = 1): 4.8

Relative density of the vapour/air-mixture at 20°C (air = 1): 1.0

Flash point: 127°C c.c.

Auto-ignition temperature: 500°C

Octanol/water partition coefficient as log Pow: 1.2

ENVIRONMENTAL DATA

NOTES

Dowanol EPh Glycol Ether is a trade name.

The relation between odour and the occupational exposure limit cannot be indicated.

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