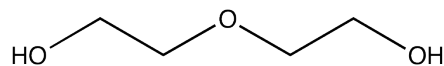


Diethylene glycol, synthesis grade

Identification

$C_4H_{10}O_3$
M = 106,12 g/mol
CAS [111-46-6]
EC number: 203-872-2
Taric code: 2909 41 00

**Synonyms**

2,2'-Oxydiethanol, 2,2'-Dihydroxydiethyl ether, Diglycol




Applications

analytical chemistry, synthesis of organic products, in antifreeze compositions, solvents.

Specifications

assay (G.C.).....	min. 99 %	residue on ignition.....	max. 0,005 %
identity (IR-spectrum).....	passes test	water (K.F.).....	max. 0,3 %
density (20°/4°).....	1,115 - 1,117		

Packaging**Packaging Code**

1 l  DI05621000
2,5 l  DI05622500
5 l  DI0562005P

Physical data

- Density: 1,12 g/cm³
- Solub. in water: (20 °C): miscible
- Melting point: ~ -10 °C
- Boiling point: 244 - 252 °C
- Flash point: 146 °C
- Ignition temperature: ~ 230 °C
- Vapour pressure: (20 °C) 0,013 hPa
- Refraction index: (n 20 °C/D) 1,4475
- Dielectric const.: (20 °C) 32
- Saturation conc.: (20 °C) 0,12 g/m³
- Expl. limit (upper): 22 Vol%
- Expl. limit (lower): 0,7 Vol%
- pH(H₂O) 7
- Hygroscopic

Safety - GHS

Signal Word: Warning

Hazard Statements:

H302: Harmful if swallowed.

**Precautionary Statements:**

P264: Wash thoroughly after handling.
P270: Do not eat, drink or smoke when using this product.
P330: Rinse mouth.
P301+P312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

Toxicological data

- LD 50 (oral, rat): 12565 mg/kg
- MAK: 10 ml/m³, 44 mg/m³
- WGK: 1
- Poison class CH (Swiss): 4

Transport/storage

- Store between 15°C and 25°C