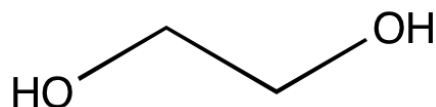


Identification

C₂H₆O₂
M = 62,07 g/mol
CAS [107-21-1]
EC number: 203-473-3
Taric code: 2905 31 00

**Synonyms**

1,2-Ethandiol, Glycol

Applications

analytical chemistry, solvents (in biochemistry), synthesis of organic products.

Specifications

assay (G.C.).....	min. 99,5 %	chlorides (Cl).....	max. 0,00002 %
identity (IR-spectrum).....	passes test	iron (Fe).....	max. 0,5 ppm
density (20°/20°).....	1,113 - 1,115	formaldehyde.....	max. 0,005 %
refractive index n ₂₀ /D.....	1,431 - 1,433	substances reducing KMnO ₄	passes test
colour (Hazen).....	max. 10	substances darkened by H ₂ SO ₄	passes test
acidity.....	passes test	residue on ignition.....	max. 0,005 %
		water (K.F.).....	max. 0,1 %

Physical data

- Density: 1,11 g/cm³
- Solub. in water: (20 °C): 1000 g/l miscible
- Melting point: -13 °C
- Boiling point: (1013 hPa) 197 °C
- Flash point: 111 °C
- Ignition temperature: 410 °C
- Vapour pressure: (20°C) 0,053 hPa
- Viscosity: (20 °C) 21 mPas
- Dielectric const.: (25 °C) 37,7
- Saturation conc.: (20 °C) 0,15 g/m³
- Expl. limit (upper): 12,8 Vol%
- Expl. limit (lower): 1,8 Vol%
- 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): 4700 mg/kg
- MAK: 10 ml/m³, 26 mg/m³
- WGK: 1
- Poison class CH (Swiss): 4