



Product code ET0164

Scharlau Chemie - Technical Data Sheet

Product name Ethylene glycol, extra pure, packed in UHDPE bottles

Identification

Product code: ET0164
Product name: Ethylene glycol, extra pure, packed in UHDPE bottles
C₂H₆O₂
M = 62,07 g/mol
CAS [107-21-1]
EC number: 203-473-3
Taric code: 2905 31 00 00

Synonyms

1,2-Ethanediol, Glycol

Specifications

assay (G.C.).....	min. 99,5%	copper (Cu).....	max. 0,00002 %
identity (IR-spectrum).....	passes test	iron (Fe).....	max. 0,00005 %
density (20°C).....	1,112 - 1,114	lead (Pb).....	max. 0,00002 %
free acid (as CH ₃ COOH).....	max. 0,001 %	nickel (Ni).....	max. 0,00002 %
chlorides (Cl).....	max. 0,0002 %	diethylenglycol (G.C.).....	max. 0,1 %
sulfates (SO ₄).....	max. 0,01 %	water (K.F.).....	max. 0,2 %

Physical data

- Form: liquid
- Density: 1,11 g/cm³
- Solub. in water (20 °C): 1000 g/l miscible
- Melting point: -13 °C
- Boiling point: (39 hPa) 117 °C
- Flash point: 111 °C
- Ignition temp.: 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%

Toxicological data

- LD 50 (oral, rat): 4700 mg/kg
- MAK: 10 ml/m³, 26 mg/m³
- WGK: 1
- Poison class CH (Swiss): 4

Safety

- Hazard symbols: Xn (Harmful)
- EC Index no.: 603-027-00-1
- R: 22
- S: 46

Transport/storage

- LGK: 10-13
- Disposal: 1