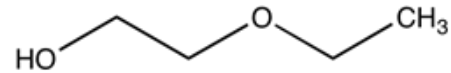


**Ethylene glycol monoethyl ether, for analysis, ExpertQ®, Reag. Ph
Eur****Identification**

C₄H₁₀O₂
M = 90,12 g/mol
CAS [110-80-5]
EC number: 203-804-1
Taric code: 2909 44 00

**Synonyms**

2-Ethoxyethanol, Ethyl glycol, Ethyl cellosolve

Applications

synthesis of organic products, solvents, manufacturing of synthetic resins, manufacture of dyes.

Specifications

assay (G.C.).....	min. 99,5 %	iron (Fe).....	max. 0,1 ppm
identity (IR-spectrum).....	passes test	lead (Pb).....	max. 0,1 ppm
density (20°/4°).....	0,929 - 0,930	magnesium (Mg).....	max. 0,1 ppm
refractive index n ₂₀ /D.....	1,405 - 1,407	manganese (Mn).....	max. 0,02 ppm
colour (Hazen).....	max. 10	nickel (Ni).....	max. 0,02 ppm
acidity.....	max. 0,001 meq/g	zinc (Zn).....	max. 0,1 ppm
cadmium (Cd).....	max. 0,05 ppm	acetaldehyde (CH ₃ CHO).....	max. 0,001 %
calcium (Ca).....	max. 0,5 ppm	formaldehyde (HCHO).....	max. 0,001 %
chromium (Cr).....	max. 0,02 ppm	peroxides (as H ₂ O ₂).....	max. 0,0003 %
cobalt (Co).....	max. 0,02 ppm	residue on evaporation.....	max. 0,001 %
copper (Cu).....	max. 0,02 ppm	water (K.F.).....	max. 0,1 %

Physical data

- Density: 0,93 g/cm³
- Solub. in water: (20 °C): miscible
- Melting point: -100 °C
- Boiling point: 135 °C
- Flash point: 40 °C
- Ignition temperature: 235 °C
- Vapour pressure: (20 °C) ~ 5 hPa
- Refraction index: (n₂₀ °C/D) 1,4075
- Viscosity: (20 °C) 2,07 mPas
- Dielectric const.: (20 °C) 11,9
- Saturation conc.: (20 °C) 18 g/m³
- Expl. limit (upper): 15,7 Vol%
- Expl. limit (lower): 1,8 Vol%
- pH(20 °C) 7

Safety - GHS

Signal Word: Danger

Hazard Statements:

- H331: Toxic if inhaled.
H360FD: May damage fertility. May damage the unborn child.
H226: Flammable liquid and vapour.
H302: Harmful if swallowed.

**Precautionary Statements:**

- P210: Keep away from heat / sparks / open flames / hot surfaces. - No smoking.
P241: Use explosion-proof electrical / ventilating / lighting / equipment.
P303+P361+P353: IF ON SKIN (or hair): Remove / Take off immediately all contaminated clothing. Rinse skin with water / shower.
P370+P378: In case of fire: Use ... for extinction.
P405: Store locked up.
P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

Transport/storage

- ADR: 3 F1 III • UN 1171 • ETHYLENE GLYCOL MONOETHYL ETHER
- IMDG: 3 III • UN 1171 • ETHYLENE GLYCOL MONOETHYL ETHER
- IATA/ICAO: 3 III • UN 1171 • ETHYLENE GLYCOL MONOETHYL ETHER
- PAX: 309
- CAO: 310
- 15°C - 25°C