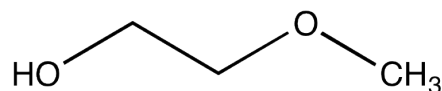


Ethylene glycol monomethyl ether, for analysis, ExpertQ®, ACS

Identification

C₃H₈O₂
M = 76,10 g/mol
CAS [109-86-4]
EC number: 203-713-7
Tatic code: 2909 42 00



Synonyms

2-Methoxyethanol, Methyl glycol, Methyl cellosolve

Applications

analytical chemistry, synthesis of organic products, manufacturing of synthetic resins, manufacture of dyes, for the analysis of: aminoacids.

Specifications

assay (G.C.).....	min. 99,5 %	copper (Cu).....	max. 0,02 ppm
identity (IR-spectrum).....	passes test	iron (Fe).....	max. 0,5 ppm
density (20°/4°).....	0,964 - 0,968	lead (Pb).....	max. 0,1 ppm
appearance.....	clear	magnesium (Mg).....	max. 0,1 ppm
colour (Hazen).....	max. 10	manganese (Mn).....	max. 0,02 ppm
acidity.....	max. 0,001 meq/g	nickel (Ni).....	max. 0,02 ppm
alkalinity.....	max. 0,0005 meq/g	tin (Sn).....	max. 0,1 ppm
aluminium (Al).....	max. 0,5 ppm	zinc (Zn).....	max. 0,1 ppm
barium (Ba).....	max. 0,1 ppm	aldehydes (as CH ₃ CHO).....	max. 0,003 %
boron (B).....	max. 0,02 ppm	formaldehyde.....	max. 0,001 %
cadmium (Cd).....	max. 0,05 ppm	peroxides (as H ₂ O ₂).....	max. 0,002 %
calcium (Ca).....	max. 0,5 ppm	substances darkened by H ₂ SO ₄	passes test
chromium (Cr).....	max. 0,02 ppm	residue on evaporation.....	max. 0,002 %
cobalt (Co).....	max. 0,02 ppm	water (K.F.).....	max. 0,1 %

Physical data

- Density: 0,96 g/cm³
- Solub. in water: (20 °C): miscible
- Melting point: -85 °C
- Boiling point: 124,5 °C
- Flash point: 38 °C
- Ignition temperature: 285 °C
- Vapour pressure: (20 °C) 11 hPa
- Refraction index: (n 20 °C/D) 1,4021
- Dielectric const.: (20 °C) 15,4
- Evap. heat: (125 °C) 557 KJ/kg
- Saturation conc.: (20 °C) 33 g/m³
- Expl. limit (upper): 20 Vol%
- Expl. limit (lower): 2,5 Vol%

Safety - GHS

Signal Word: Danger

Hazard Statements:

- H360FD: May damage fertility. May damage the unborn child.
H226: Flammable liquid and vapour.
H302: Harmful if swallowed.
H312: Harmful in contact with skin.
H332: Harmful if inhaled.
H370: Causes damage to organs.



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 1188 • ETHYLENE GLYCOL MONOMETHYL ETHER
- IMDG: 3 III • UN 1188 • ETHYLENE GLYCOL MONOMETHYL ETHER
- IATA/ICAO: 3 III • UN 1188 • ETHYLENE GLYCOL MONOMETHYL ETHER
- PAX: 309
- CAO: 310
- 10°C - 30°C