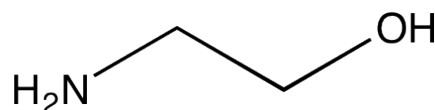


Ethanolamine, for analysis, ExpertQ®, ACS

Identification

C₂H₇NO
M = 61,08 g/mol
CAS [141-43-5]
EC number: 205-483-3
Taric code: 2922 11 00



Synonyms

2-Aminoethanol, 2-Hydroxyethylamine, Monoethanolamine

Applications

analytical chemistry, synthesis of organic products, for pharmaceuticals synthesizing, emulsifier.

Specifications

assay (G.C.).....	min. 99,5 %	heavy metals (as Pb).....	max. 5 ppm
identity (IR-spectrum).....	passes test	iron (Fe).....	max. 0,1 ppm
colour (Hazen).....	max. 15	lead (Pb).....	max. 0,1 ppm
aluminium (Al).....	max. 0,5 ppm	magnesium (Mg).....	max. 0,1 ppm
boron (B).....	max. 0,02 ppm	manganese (Mn).....	max. 0,02 ppm
barium (Ba).....	max. 0,1 ppm	nickel (Ni).....	max. 0,02 ppm
cadmium (Cd).....	max. 0,05 ppm	tin (Sn).....	max. 0,1 ppm
calcium (Ca).....	max. 0,5 ppm	zinc (Zn).....	max. 0,1 ppm
chromium (Cr).....	max. 0,02 ppm	diethanolamine (G.C.).....	max. 0,1 %
cobalt (Co).....	max. 0,02 ppm	triethanolamine (G.C.).....	max. 0,1 %
copper (Cu).....	max. 0,02 ppm	water (K.F.).....	max. 0,2 %

Physical data

- Density: 1,02 g/cm³
- Solub. in water: (20 °C): miscible
- Melting point: 10,5 °C
- Boiling point: 171 °C
- Flash point: 93 °C
- Ignition temperature: 410 °C
- Vapour pressure: (20 °C) 0,5 hPa
- Refraction index: (n 20 °C/D) 1,4539
- Viscosity: (20 °C) 23 mPas
- Evap. heat: (170 °C) 963 KJ/kg
- Expl. limit (upper): 13,1 Vol%
- Expl. limit (lower): 2,5 Vol%
- pH(100 g/l H₂O, 20 °C) 12,1
- Hygroscopic

Safety - GHS

Signal Word: Danger

Hazard Statements:

- H314: Causes severe skin burns and eye damage.
H302: Harmful if swallowed.
H312: Harmful in contact with skin.
H332: Harmful if inhaled.
H335: May cause respiratory irritation.
H412: Harmful to aquatic life with long lasting effects.



Precautionary Statements:

- P260: Do not breathe dust / fume / gas / mist / vapours / spray.
P303+P361+P353: IF ON SKIN (or hair): Remove / Take off immediately all contaminated clothing. Rinse skin with water / shower.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310: Immediately call a POISON CENTER or doctor / physician.
P405: Store locked up.
P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

Transport/storage

- ADR: 8 C7 III • UN 2491 • ETHANOLAMINE or ETHANOLAMINE SOLUTION
- IMDG: 8 III • UN 2491 • ETHANOLAMINE
- IATA/ICAO: 8 III • UN 2491 • ETHANOLAMINE
- PAX: 818
- CAO: 820
- 10°C - 30°C