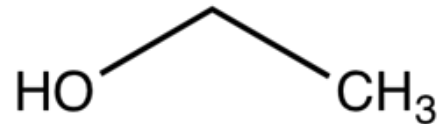


Identification

C₂H₅OH
M = 46,07 g/mol
CAS [64-17-5]
EC number: 200-578-6
Taric code: 2207 10 00

**Synonyms**

Ethyl alcohol, Methylcarbinol, Spirit, Spirit of wine

Applications

solvents, disinfectant, for pharmaceuticals synthesizing, synthesis of organic products, perfumery, in pharma industry.

Specifications

assay (G.C.) (v/v 15,56°C).....	min. 99,5 %	acidity or alkalinity.....	passes test
assay (G.C.) (w/w).....	min. 99,2 %	colour (Hazen).....	max. 10
Identification IR.....	passes test	Volatile impurities (V/V):	
Identification C (EP).....	passes test	acetaldehyde + acetal (as CH ₃ CHO).....	max. 10 ppm
Identification D (EP).....	passes test	benzene (G.C.).....	max. 2 ppm
density (20°/20°).....	0,790 - 0,793	methanol (G.C.).....	max. 200 ppm
density (15,56°C/15,56°C).....	max. 0,7962	total of other impurities (G.C.).....	max. 300 ppm
appearance.....	clear and colourless	residue on evaporation.....	max. 25 ppm
clarity of solution.....	passes test	absorbance in a 5,0 cm cell at 240 nm.....	max. 0,40
color of solution.....	passes test	between 250 and 260 nm.....	max. 0,30
		between 270 and 340 nm.....	max. 0,10

Physical data

- Density: 0,79 g/cm³
- Solub. in water: (20 °C): miscible
- Melting point: -114,5 °C
- Boiling point: 78,3 °C
- Flash point: 13 °C
- Ignition temperature: 425 °C
- Vapour pressure: (20 °C) 59 hPa
- Viscosity: (20 °C) 1,2 mPas
- Dipolar moment: (20 °C) 1,7 Debye
- Dielectric const.: (25 °C) 24,3
- Evap. heat: (78 °C) 855 KJ/kg
- Saturation conc.: (20 °C) 105 g/m³
- Expl. limit (upper): 15 Vol%
- Expl. limit (lower): 3,5 Vol%
- pH(10 g/l H₂O, 20 °C) 7,0

Safety - GHS

Signal Word: Danger

Hazard Statements:

H225: Highly flammable liquid and vapour.
H319: Causes serious eye irritation.

**Precautionary Statements:**

P210: Keep away from heat / sparks / open flames / hot surfaces. - No smoking.
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.
P370+P378: In case of fire: Use ... for extinction.
P403+P235: Store in a well-ventilated place. Keep cool.
P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

Transport/storage

- ADR: 3 F1 II • UN 1170 • ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)
- IMDG: 3 II • UN 1170 • ETHYL ALCOHOL
- IATA/ICAO: 3 II • UN 1170 • ETHYL ALCOHOL
- PAX: 353
- CAO: 364
- 10°C - 30°C