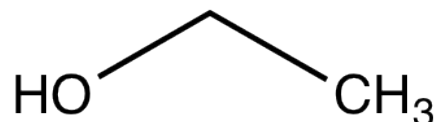


Identification

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).....	min. 99,5 %	reducing substances.....	passes test
assay (G.C.) (w/w).....	min. 99,2 %	residue on evaporation.....	max. 0,001 %
identification.....	passes test	absorbance in a 5,0 cm cell	
density (20°/20°).....	0,790 - 0,793	at 240 nm.....	max. 0,40
appearance.....	clear and colourless	between 250 and 260 nm.....	max. 0,30
acidity or alkalinity (as acetic acid).....	max. 0,003 %	between 270 and 340 nm.....	max. 0,10
colour (Hazen).....	max. 10	Residual solvents are analysed	
acetaldehyde + acetal (as CH ₃ CHO).....	max. 0,001 %	according to guideline	
benzene (G.C.).....	max. 0,0002 %	CPMP/ICH/283/95.	
methanol (G.C.).....	max. 0,02 %		
total of other impurities (G.C.).....	max. 0,03 %		

Packaging
Packaging Code

1 l		ET00061000
2,5 l		ET00062500
5 l		ET0006005P
10 l		ET0006010C
25 l		ET0006025A
25 l		ET0006025L
25 l		ET0006025P
25 l		ET0006025S

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: 12 °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.

Precautionary Statements:

- P210: Keep away from heat / sparks / open flames / hot surfaces. - No smoking.
- P241: Use explosion-proof electrical / ventilating / lighting / equipment.
- P280: Wear protective gloves / protective clothing / eye protection / face protection.
- P240: Ground/bond container and receiving equipment.
- P303+P361+P353: IF ON SKIN (or hair): Remove / Take off immediately all contaminated clothing. Rinse skin with water / shower.
- P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

Toxicological data

- LD 50 (oral, rat): 6200 mg/kg
- MAK: 500 ml/m³, 960 mg/m³
- WGK: 1
- Poison class CH (Swiss): F

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