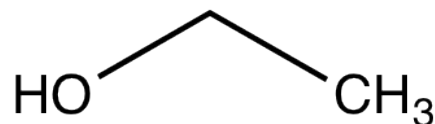


Identification

C_2H_5OH
 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.






Specifications

assay (G.C.) (v/v).....	min. 99,9 %	min. transmission/max. absorbance		
identity (IR-spectrum).....	passes test	in a 1,0 cm cell at		
density (20°/4°).....	0,789 - 0,790	wavelength:	T(%)	A (AU)
acidity.....	max. 0,0002 meq/g	205 nm.....	20 %	0,699 AU
alkalinity.....	max. 0,0002 meq/g	220 nm.....	50 %	0,301 AU
residue on evaporation.....	max. 0,0002 %	245 nm.....	90 %	0,046 AU
water (v/v) (K.F.).....	max. 0,1 %	260 nm.....	98 %	0,009 AU

gradient grade (254 nm) Microfiltered through membranes
 maximum background absorbance: 0,02 AU of pore diameter 0,22 µm
 maximum peak absorbance: 0,002 AU

suitable for UPLC

Packaging
Packaging Code

- 1 l  ET00101000
- 2,5 l  ET00102500
- 7 l  ET0010007E
- 25 l  ET0010025S
- 30 l  ET0010030S

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