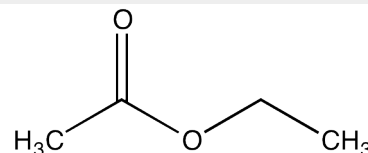


Ethyl acetate, HPLC grade

Identification

$C_4H_8O_2$
M = 88,10 g/mol
CAS [141-78-6]
EC number: 205-500-4
Taric code: 2915 31 00



Synonyms

Acetic acid ethyl ester, Acetic ether

Applications

solvents, perfumery, photography.

Specifications

assay (G.C.).....min. 99,8 %
identity (IR-spectrum).....passes test
density (20°/4°).....0,900 - 0,902
free acid (as CH_3COOH).....max. 0,003 %

255 nm.....20 % 0,699 AU
258 nm.....50 % 0,301 AU
265 nm.....90 % 0,046 AU

min. transmission/max. absorbance in a 1,0 cm cell at
wavelength:.....T (%) A (AU)

Microfiltered through membranes of pore diameter 0,22 μm
residue on evaporation.....max. 0,0003 %
water (K.F.).....max. 0,03 %

Physical data

- Density: 0,90 g/cm³
- Solub. in water: (20 °C): 85,3 g/l
- Melting point: -83 °C
- Boiling point: 77 °C
- Flash point: -4 °C
- Ignition temperature: 460 °C
- Vapour pressure: (20 °C) 97hPa
- Refraction index: (n 20 °C/D) 1,3723
- Viscosity: (20 °C) 0,44 mPas
- Dipolar moment: (20 °C) 1,78 Debye
- Dielectric const.: (25 °C) 6,0
- Evap. heat: (77 °C) 427 KJ/kg
- Saturation conc.: (20 °C) 336 g/m³
- Expl. limit (upper): 11,5 Vol%
- Expl. limit (lower): 2,1 Vol%

Safety - GHS

Signal Word: Danger

Hazard Statements:

H225: Highly flammable liquid and vapour.
H319: Causes serious eye irritation.
H336: May cause drowsiness or dizziness.
EUH066: Repeated exposure may cause skin dryness or cracking.



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.
P405: Store locked up.
P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

Transport/storage

- ADR: 3 F1 II • UN 1173 • ETHYL ACETATE
- IMDG: 3 II • UN 1173 • ETHYL ACETATE
- IATA/ICAO: 3 II • UN 1173 • ETHYL ACETATE
- PAX: 353
- CAO: 364
- 15°C - 25°C