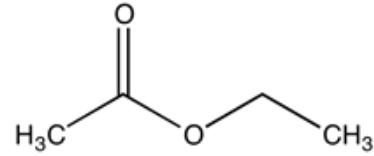


## Ethyl acetate, Pharmpur®, Ph Eur, BP, NF

**Identification**

C<sub>4</sub>H<sub>8</sub>O<sub>2</sub>  
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, in pharma industry.

**Specifications**

assay (G.C.).....98,0 - 102,0 %  
chromatographic purity:  
acetaldehyde (CH<sub>3</sub>CHO).....max. 0,1 %  
1-ethoxy-2-methylpropane.....max. 0,1 %  
methyl compounds.....max. 0,1 %  
total of other impurities.....max. 0,3 %  
Identification IR.....passes test  
Identification C (EP).....passes test  
Identification D (EP).....passes test

boiling point.....76 - 78 °C  
density (20°/20°).....0,898 - 0,902  
density (25°/25°).....0,894 - 0,898  
refractive index n<sub>20</sub>/D.....1,370 - 1,373  
appearance of solution.....clear and colourless  
acidity.....passes test  
substances darkened by H<sub>2</sub>SO<sub>4</sub>.....passes test  
related substances .....max. 0,2 %  
residue on evaporation.....max. 30 ppm  
water (K.F.).....max. 0,1 %

**Physical data**

- Density: 0,90 g/cm<sup>3</sup>
- 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/m<sup>3</sup>
- 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
- 10°C - 30°C