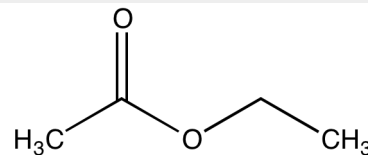


**Identification**

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

**Specifications**

assay (G.C.).....	min. 99,8 %
colour (Hazen).....	max. 10
identity (IR-spectrum).....	passes test
residue on evaporation.....	max. 3 ppm
water (K.F.) .....	max . 0,05 %

GC/MSD (retention range n-undecane  
to n-tetracontane, scanning area  
30 - 600 amu, individual signals  
(n-tetradecane standard))..... max. 3,0 ng/ml (ppb)

Suitable for residue analysis

**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.  
P241: Use explosion-proof electrical / ventilating / lighting / equipment.  
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.  
P405: Store locked up.  
P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

**Toxicological data**

- LD 50 (oral, rat): 5620 mg/kg
- MAK: 400 ml/m<sup>3</sup>, 1500 mg/m<sup>3</sup>
- WGK: 1
- Poison class CH (Swiss): 5

**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: 305
- CAO: 307
- Store between 15°C and 25°C