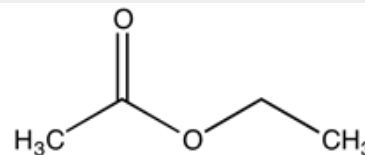


**Identification**

$C_4H_8O_2$   
 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 %	cobalt (Co).....	max. 0,02 ppm
identity (IR-spectrum).....	passes test	copper (Cu).....	max. 0,02 ppm
density (20°/4°).....	0,900 - 0,902	iron (Fe).....	max. 0,1 ppm
density (20°/20°).....	0,898 - 0,902	lead (Pb).....	max. 0,1 ppm
appearance.....	clear	magnesium (Mg).....	max. 0,1 ppm
colour (Hazen).....	max. 10	manganese (Mn).....	max. 0,02 ppm
boiling point.....	76 - 78 °C	nickel (Ni).....	max. 0,02 ppm
acidity.....	max. 0,0008 meq/g	tin (Sn).....	max. 0,1 ppm
aluminium (Al).....	max. 0,5 ppm	zinc (Zn).....	max. 0,1 ppm
barium (Ba).....	max. 0,1 ppm	ethanol (G.C.).....	max. 0,1 %
boron (B).....	max. 0,02 ppm	methanol (G.C.).....	max. 0,1 %
cadmium (Cd).....	max. 0,05 ppm	methyl acetate (G.C.).....	max. 0,1 %
calcium (Ca).....	max. 0,5 ppm	substances darkened by H <sub>2</sub> SO <sub>4</sub> .....	passes test
chromium (Cr).....	max. 0,02 ppm	residue on evaporation.....	max. 0,001 %
		water (K.F.).....	max. 0,05 %

**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
- 15°C - 25°C