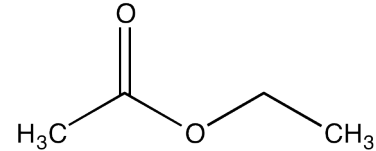


Identification

$C_4H_8O_2$
 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 %	ethanol (G.C.).....	max. 0,1 %
identity (IR-spectrum).....	passes test	methanol (G.C.).....	max. 0,1 %
density (20°/4°).....	0,900- 0,902	methyl acetate (G.C.).....	max. 0,1 %
appearance.....	clear	substances darkened by H2SO4.....	passes test
colour (Hazen).....	max. 10	residue on evaporation.....	max. 0,0002 %
acidity or alkalinity.....	max. 0,0002 meq/g	water (K.F.).....	max. 0,03 %
aluminium (Al).....	max. 0,00001 %		
barium (Ba).....	max. 0,000001 %	liquid chromatography suitability	
boron (B).....	max. 0,000002 %	absorbance.....	passes test
cadmium (Cd).....	max. 0,000001 %		
calcium (Ca).....	max. 0,00003 %	min. transmission/max. absorbance	
chromium (Cr).....	max. 0,000002 %	in a 1,0 cm cell at	
cobalt (Co).....	max. 0,000002 %	wavelength:	T(%) A (AU)
copper (Cu).....	max. 0,000002 %	255 nm.....	20 % 0,699 AU
iron (Fe).....	max. 0,000002 %	260 nm.....	50 % 0,301 AU
lead (Pb).....	max. 0,00001 %	263 nm.....	80 % 0,097 AU
magnesium (Mg).....	max. 0,00001 %	265 nm.....	90 % 0,046 AU
manganese (Mn).....	max. 0,000001 %	280 nm.....	98 % 0,009 AU
nickel (Ni).....	max. 0,000002 %		
tin (Sn).....	max. 0,00001 %	Microfiltered through membranes	
zinc (Zn).....	max. 0,000001 %	of pore diameter 0,22 µm	

Packaging
Packaging Code

1 l  AC01551000
 2,5 l  AC01552500
 4 l  AC01554000
 7 l  AC0155007E

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.

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/m³, 1500 mg/m³
- 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