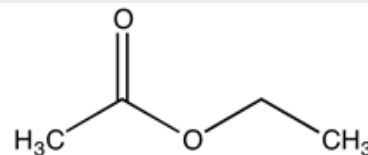


Identification

$C_4H_8O_2$
 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 %	zinc (Zn).....	max. 0,01 ppm
identity (IR-spectrum).....	passes test	ethanol (G.C.).....	max. 0,1 %
density (20°/4°).....	0,900- 0,902	methanol (G.C.).....	max. 0,1 %
appearance.....	clear	methyl acetate (G.C.).....	max. 0,1 %
colour (Hazen).....	max. 10	substances darkened by H ₂ SO ₄	passes test
acidity or alkalinity.....	max. 0,0002 meq/g	residue on evaporation.....	max. 0,0002 %
aluminium (Al).....	max. 0,1 ppm	water (K.F.).....	max. 0,03 %
barium (Ba).....	max. 0,01 ppm		
boron (B).....	max. 0,02 ppm	liquid chromatography suitability	
cadmium (Cd).....	max. 0,01 ppm	absorbance.....	passes test
calcium (Ca).....	max. 0,3 ppm		
chromium (Cr).....	max. 0,02 ppm	min. transmission/max. absorbance in a 1,0 cm cell at	
cobalt (Co).....	max. 0,02 ppm	wavelength:.....	T(%) A (AU)
copper (Cu).....	max. 0,02 ppm	255 nm.....	20 % 0,699 AU
iron (Fe).....	max. 0,02 ppm	260 nm.....	50 % 0,301 AU
lead (Pb).....	max. 0,1 ppm	263 nm.....	80 % 0,097 AU
magnesium (Mg).....	max. 0,1 ppm	265 nm.....	90 % 0,046 AU
manganese (Mn).....	max. 0,01 ppm	280 nm.....	98 % 0,009 AU
nickel (Ni).....	max. 0,02 ppm		
tin (Sn).....	max. 0,1 ppm	Microfiltered through membranes of pore diameter 0,22 µm	

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.



AC0155

Technical Data Sheet

Ethyl acetate, Multisolvent[®] HPLC grade ACS ISO UV-VIS

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