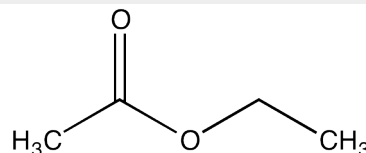


Identification

C₄H₈O₂
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 %
identity (IR-spectrum).....passes test
density (20°/4°).....0,900- 0,902
appearance.....clear
colour (Hazen).....max. 10
acidity or alkalinity.....max. 0,0002 meq/g
aluminium (Al).....max. 0,1 ppm
barium (Ba).....max. 0,01 ppm
boron (B).....max. 0,02 ppm
cadmium (Cd).....max. 0,01 ppm
calcium (Ca).....max. 0,3 ppm
chromium (Cr).....max. 0,02 ppm
cobalt (Co).....max. 0,02 ppm
copper (Cu).....max. 0,02 ppm
iron (Fe).....max. 0,02 ppm
lead (Pb).....max. 0,1 ppm
magnesium (Mg).....max. 0,1 ppm
manganese (Mn).....max. 0,01 ppm
nickel (Ni).....max. 0,02 ppm
tin (Sn).....max. 0,1 ppm

zinc (Zn).....max. 0,01 ppm
ethanol (G.C.).....max. 0,1 %
methanol (G.C.).....max. 0,1 %
methyl acetate (G.C.).....max. 0,1 %
substances darkened by H₂SO₄.....passes test
residue on evaporation.....max. 0,0002 %
water (K.F.).....max. 0,03 %

liquid chromatography suitability
absorbance.....passes test

min. transmission/max. absorbance in a 1,0 cm cell at
wavelength:.....T(%) A (AU)
255 nm.....20 % 0,699 AU
260 nm.....50 % 0,301 AU
263 nm.....80 % 0,097 AU
265 nm.....90 % 0,046 AU
280 nm.....98 % 0,009 AU

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.

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