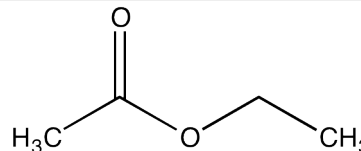


Identification

$C_4H_8O_2$
 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, in pharma industry.

Specifications

assay (G.C.).....	min. 99,8 %	limit of methyl compounds.....	passes test
assay (acidimetric).....	99 - 100,5 %	related substances.....	passes test
identification.....	passes test	substances darkened by H ₂ SO ₄	passes test
density (20°/20°).....	0,898 - 0,902	residue on evaporation.....	max. 0,001 %
density (25°/25°).....	0,894 - 0,898	water (K.F.).....	max. 0,05 %
refractive index n ₂₀ /D.....	1,370 - 1,373	Residual solvents are analysed	
appearance of solution.....	clear and colourless	according to guideline	
acidity.....	passes test	CPMP/ICH/283/95.	

Packaging
Packaging Code

1 l		AC01431000
2,5 l		AC01432500
5 l		AC0143005L
25 l		AC0143025A
25 l		AC0143025S
200 l		AC0143200L

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: (n₂₀ °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