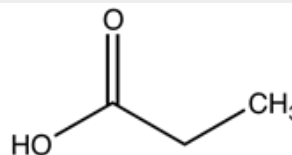


Identification

$C_3H_6O_2$
 M = 74,08 g/mol
 CAS [79-09-4]
 EC number: 201-176-3
 Taric code: 2915 50 00


Synonyms

Methyl acetic acid

Applications

analytical chemistry, laboratory reagent, synthesis of organic products, for the synthesis of: esters, solvents, perfumery.

Specifications

assay (acidimetric).....	min. 99,7 %	chlorides (Cl).....	max. 0,0005 %
identity (IR-spectrum).....	passes test	heavy metals (as Pb).....	max. 5 ppm
density (20°/4°).....	0,993 - 0,994	iron (Fe).....	max. 5 ppm
density (20°/20°).....	0,994 - 0,996	carbonyl compounds (as C3H5CHO).....	max. 0,002 %
refractive index n ₂₀ /D.....	1,386 - 1,388	oxidizing substances (as HCOOH).....	max. 0,10 %
colour (Hazen).....	max. 20	substances darkened by H ₂ SO ₄	passes test
boiling point.....	140 - 142 °C	residue on evaporation.....	max. 0,0005 %
miscibility with water.....	passes test	water (K.F.).....	max. 0,05 %

Physical data

- Density: 0,99 g/cm³
- Solub. in water: (20 °C): miscible
- Melting point: -22 °C
- Boiling point: 140 - 142 °C
- Flash point: 49 °C
- Ignition temperature: 485 °C
- Vapour pressure: (20 °C) 2,9 hPa
- Refraction index: (n₂₀ °C/D) 1,386
- Expl. limit (upper): 12 Vol%
- Expl. limit (lower): 2,1 Vol%
- pH(100g/l H₂O, 20 °C) 2,5

Safety - GHS

Signal Word: Danger

Hazard Statements:

- H314: Causes severe skin burns and eye damage.
 H226: Flammable liquid and vapour.
 H335: May cause respiratory irritation.


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.
 P310: Immediately call a POISON CENTER or doctor / physician.
 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: 8 CF1 II • UN 3463 • PROPIONIC ACID
- IMDG: 8 II • UN 3463 • PROPIONIC ACID
- IATA/ICAO: 8 II • UN 3463 • PROPIONIC ACID
- PAX: 818
- CAO: 820
- 15°C - 25°C