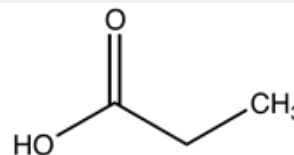


**Identification**

C<sub>3</sub>H<sub>6</sub>O<sub>2</sub>  
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 %	iron (Fe).....	max. 5 ppm
identity (IR-spectrum).....	passes test	residue on evaporation.....	max. 0,01 %
density (20°/4°).....	0,993 - 0,994	heavy metals (as Pb).....	max. 5 ppm
chlorides (Cl).....	max. 0,001 %	water (K.F.).....	max. 0,1 %

**Physical data**

- Density: 0,99 g/cm<sup>3</sup>
- 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: (n 20 °C/D) 1,386
- Expl. limit (upper): 12 Vol%
- Expl. limit (lower): 2,1 Vol%
- pH(100g/l H<sub>2</sub>O, 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
- 10°C - 30°C