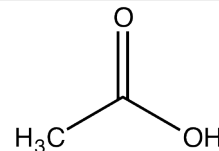


**Identification**

CH<sub>3</sub>COOH  
M = 60,05 g/mol  
CAS [64-19-7]  
EC number: 200-580-7  
Taric code: 2915 21 00


**Synonyms**

Methane carboxylic acid, Methylformic acid



**Applications**

laboratory reagent, synthesis of organic products, in the rubber industry, in food industry.

**Specifications**

assay (acidimetric).....	min. 99,8 %	lithium (Li).....	max. 0,000001 %
identity (IR-spectrum).....	passes test	magnesium (Mg).....	max. 0,000005 %
density (20°/4°).....	1,048 - 1,050	manganese (Mn).....	max. 0,000001 %
colour (Hazen).....	max. 10	mercury (Hg).....	max. 0,0000005 %
chlorides (Cl).....	max. 0,00004 %	molybdenum (Mo).....	max. 0,000001 %
phosphates (as PO <sub>4</sub> ).....	max. 0,00004 %	nickel (Ni).....	max. 0,000002 %
sulfates (SO <sub>4</sub> ).....	max. 0,00004 %	platinum (Pt).....	max. 0,00001 %
aluminium (Al).....	max. 0,000005 %	potassium (K).....	max. 0,00001 %
arsenic (As).....	max. 0,000001 %	silver (Ag).....	max. 0,0000005 %
barium (Ba).....	max. 0,000001 %	sodium (Na).....	max. 0,00002 %
beryllium (Be).....	max. 0,0000005 %	strontium (Sr).....	max. 0,000001 %
bismuth (Bi).....	max. 0,000005 %	thallium (Tl).....	max. 0,000002 %
cadmium (Cd).....	max. 0,000002 %	tin (Sn).....	max. 0,000005 %
calcium (Ca).....	max. 0,00001 %	titanium (Ti).....	max. 0,000005 %
chromium (Cr).....	max. 0,000002 %	vanadium (V).....	max. 0,000001 %
cobalt (Co).....	max. 0,000001 %	zinc (Zn).....	max. 0,000003 %
copper (Cu).....	max. 0,000001 %	zirconium (Zr).....	max. 0,000005 %
gallium (Ga).....	max. 0,000005 %	acetaldehyde (CH <sub>3</sub> CHO).....	max. 0,0002 %
germanium (Ge).....	max. 0,000002 %	acetic anhydride (CH <sub>3</sub> CO) <sub>2</sub> O.....	max. 0,01 %
gold (Au).....	max. 0,000001 %	substances reducing KMnO <sub>4</sub> .....	passes test
heavy metals (as Pb).....	max. 0,00005 %	substances reducing K <sub>2</sub> Cr <sub>2</sub> O <sub>7</sub> .....	passes test
indium (In).....	max. 0,000005 %	indifference to chromic acid.....	passes test
iron (Fe).....	max. 0,000005 %	residue on evaporation.....	max. 0,0005 %
lead (Pb).....	max. 0,000001 %	water (K.F.).....	max. 0,2 %

**Packaging**
**Packaging Code**

1 l  AC03451000  
2,5 l  AC03452500

**Physical data**

- Density: 1,05 g/cm<sup>3</sup>
- Solub. in water: (20 °C): miscible
- Melting point: 17 °C
- Boiling point: 117 °C
- Flash point: 39 °C
- Ignition temperature: 485 °C
- Vapour pressure: (20 °C) 15,4 hPa
- Refraction index: (20 °C) 1,37
- Expl. limit (upper): 19,9 Vol%
- Expl. limit (lower): 4 Vol%
- pH(50 g/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.


**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): 3310 mg/kg
- MAK: 10 ml/m<sup>3</sup>, 25 mg/m<sup>3</sup>
- WGK: 1
- Poison class CH (Swiss): 3

**Transport/storage**

- ADR: 8 CF1 II • UN 2789 • ACETIC ACID, GLACIAL or ACETIC ACID SOLUTION
- IMDG: 8 II • UN 2789 • ACETIC ACID, GLACIAL
- IATA/ICAO: 8 II • UN 2789 • ACETIC ACID, GLACIAL
- PAX: 809
- CAO: 813
- Store between 15°C and 25°C