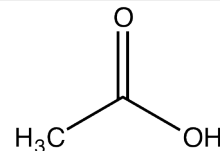


**Identification**

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 %
boiling point.....	117 - 119 °C	mercury (Hg).....	max. 0,0000005 %
freezing point.....	min. 15,8 °C	molybdenum (Mo).....	max. 0,000001 %
colour (Hazen).....	max. 10	nickel (Ni).....	max. 0,000002 %
titrable base.....	max. 0,0004 meq/g	platinum (Pt).....	max. 0,00001 %
chlorides (Cl).....	max. 0,00004 %	potassium (K).....	max. 0,00001 %
phosphates (as PO <sub>4</sub> ).....	max. 0,00004 %	silver (Ag).....	max. 0,0000005 %
sulfates (SO <sub>4</sub> ).....	max. 0,00004 %	sodium (Na).....	max. 0,00002 %
aluminium (Al).....	max. 0,000002 %	strontium (Sr).....	max. 0,000001 %
arsenic (As).....	max. 0,000001 %	thallium (Tl).....	max. 0,000002 %
barium (Ba).....	max. 0,000001 %	tin (Sn).....	max. 0,000005 %
beryllium (Be).....	max. 0,0000005 %	titanium (Ti).....	max. 0,000005 %
bismuth (Bi).....	max. 0,000005 %	vanadium (V).....	max. 0,000001 %
boron (B).....	max. 0,00001 %	zinc (Zn).....	max. 0,000003 %
cadmium (Cd).....	max. 0,000002 %	zirconium (Zr).....	max. 0,000005 %
calcium (Ca).....	max. 0,00001 %	acetaldehyde (CH <sub>3</sub> CHO).....	max. 0,0002 %
chromium (Cr).....	max. 0,000002 %	acetic anhydride (CH <sub>3</sub> CO) <sub>2</sub> O.....	max. 0,01 %
cobalt (Co).....	max. 0,000001 %	substances reducing KMnO <sub>4</sub> .....	passes test
copper (Cu).....	max. 0,000001 %	substances reducing K <sub>2</sub> Cr <sub>2</sub> O <sub>7</sub> .....	passes test
gallium (Ga).....	max. 0,000005 %	miscibility with water.....	total
germanium (Ge).....	max. 0,000002 %	dilution test.....	passes test
gold (Au).....	max. 0,000001 %	substances reducing iodine.....	negative reaction
heavy metals (as Pb).....	max. 0,00005 %	residue on evaporation.....	max. 0,0005 %
indium (In).....	max. 0,000005 %	water (K.F.).....	max. 0,2 %
iron (Fe).....	max. 0,000005 %		
lead (Pb).....	max. 0,000001 %		

**Packaging**
**Packaging Code**

1 l  AC03441000  
 2,5 l  AC03442500  
 5 l  AC0344005P  
 25 l  AC0344025P

**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