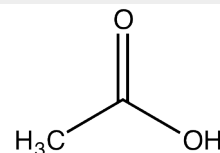


Identification

CH₃COOH
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 %	lead (Pb).....	max 0,01 ppm
identity (IR-spectrum).....	passes test	lithium (Li).....	max 0,01 ppm
density (20°/4°).....	1,048 - 1,050	magnesium (Mg).....	max. 0,05 ppm
boiling point.....	117 - 119 °C	manganese (Mn).....	max 0,01 ppm
freezing point.....	min. 15,8 °C	mercury (Hg).....	max. 0,005 ppm
colour (Hazen).....	max. 10	molybdenum (Mo).....	max 0,01 ppm
titrable base.....	max. 0,0004 meq/g	nickel (Ni).....	max. 0,02 ppm
chlorides (Cl).....	max. 0,00004 %	platinum (Pt).....	max. 0,1 ppm
phosphates (as PO ₄).....	max. 0,00004 %	potassium (K).....	max. 0,1 ppm
sulfates (SO ₄).....	max. 0,00004 %	silver (Ag).....	max. 0,005 ppm
aluminium (Al).....	max. 0,02 ppm	sodium (Na).....	max. 0,2 ppm
arsenic (As).....	max 0,01 ppm	strontium (Sr).....	max 0,01 ppm
barium (Ba).....	max 0,01 ppm	thallium (Tl).....	max. 0,02 ppm
beryllium (Be).....	max. 0,005 ppm	tin (Sn).....	max. 0,05 ppm
bismuth (Bi).....	max. 0,05 ppm	titanium (Ti).....	max. 0,05 ppm
boron (B).....	max. 0,1 ppm	vanadium (V).....	max 0,01 ppm
cadmium (Cd).....	max. 0,02 ppm	zinc (Zn).....	max. 0,03 ppm
calcium (Ca).....	max. 0,1 ppm	zirconium (Zr).....	max. 0,05 ppm
chromium (Cr).....	max. 0,02 ppm	acetaldehyde (CH ₃ CHO).....	max. 0,0002 %
cobalt (Co).....	max 0,01 ppm	acetic anhydride (CH ₃ CO) ₂ O.....	max. 0,01 %
copper (Cu).....	max 0,01 ppm	substances reducing KMnO ₄	passes test
gallium (Ga).....	max. 0,05 ppm	substances reducing K ₂ Cr ₂ O ₇	passes test
germanium (Ge).....	max. 0,02 ppm	miscibility with water.....	total
gold (Au).....	max 0,01 ppm	dilution test.....	passes test
heavy metals (as Pb).....	max. 0,5 ppm	substances reducing iodine.....	negative reaction
indium (In).....	max. 0,05 ppm	residue on evaporation.....	max. 0,0005 %
iron (Fe).....	max. 0,05 ppm	water (K.F.).....	max. 0,2 %

Physical data

- Density: 1,05 g/cm³
- 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 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.



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 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
- 10°C - 30°C