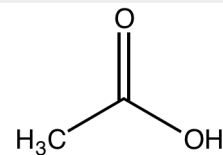


Identification

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, in pharma industry.

Specifications

assay (acidimetric).....	99,0 - 100,5 %	residue on evaporation.....	max. 0,005 %
identification.....	passes test		
appearance.....	clear and colourless	Elemental impurities are analysed	
freezing point.....	min. 14,8 °C	according to guideline	
chlorides (Cl).....	max. 25 ppm	CHMP/ICH/353369/2013.	
chlorides (Cl).....	passes test		
sulfates (SO ₄).....	max. 50 ppm	Residual solvents are analysed	
sulfates (SO ₄).....	passes test	according to guideline	
iron (Fe).....	max. 5 ppm	CPMP/ICH/283/95.	
reducing substances.....	passes test		

Physical data

- Appearance: crystalline mass or a clear colourless volatile liquid, miscible with ether, with alcohol, with ether, and with methylene chloride
- 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.
 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/m³, 25 mg/m³
- 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