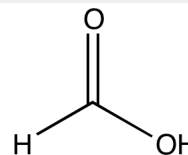


Identification

HCOOH
M = 46,03 g/mol
CAS [64-18-6]
EC number: 200-579-1
Taric code: 2915 11 00

**Synonyms**

Methanoic acid, Formylic acid

Specifications

assay (acidimetric).....	98 - 100 %	nickel (Ni).....	max. 0,05 ppm
aluminium (Al).....	max. 0,05 ppm	molybdenum (Mo).....	max. 0,05 ppm
barium (Ba).....	max. 0,05 ppm	potassium (K).....	max. 0,1 ppm
cadmium (Cd).....	max. 0,05 ppm	silver (Ag).....	max. 0,05 ppm
calcium (Ca).....	max. 0,2 ppm	sodium (Na).....	max. 0,5 ppm
chromium (Cr).....	max. 0,05 ppm	strontium (Sr).....	max. 0,05 ppm
cobalt (Co).....	max. 0,05 ppm	thallium (Tl).....	max. 0,05 ppm
copper (Cu).....	max. 0,05 ppm	zinc (Zn).....	max. 0,05 ppm
iron (Fe).....	max. 0,2 ppm		
lead (Pb).....	max. 0,05 ppm	suitability for use in LC-MS.....	passes test
lithium (Li).....	max. 0,05 ppm		
magnesium (Mg).....	max. 0,5 ppm		
manganese (Mn).....	max. 0,05 ppm		

Physical data

- Density: 1,22 g/cm³
- Solub. in water: (20 °C): miscible
- Melting point: ~ 8 °C
- Boiling point: 101 °C
- Flash point: 48 °C
- Ignition temperature: 480 °C
- Vapour pressure: (20 °C) 42 hPa
- Refraction index: (n 20 °C/D) 1,3714
- Dielectric const.: (16 °C) 58,5
- Evap. heat: (101 °C) 900 KJ/kg
- Saturation conc.: (20 °C) 80 g/m³
- Expl. limit (upper): 38 Vol%
- Expl. limit (lower): 12 Vol%
- pH(10 g/l H₂O, 20 °C) 2,2

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): 730 mg/kg
- MAK: 5 ml/m³, 9,5 mg/m³
- WGK: 1
- Poison class CH (Swiss): 3

Transport/storage

- ADR: 8 CF1 II • UN 1779 • FORMIC ACID
- IMDG: 8 II • UN 1779 • FORMIC ACID
- IATA/ICAO: 8 II • UN 1779 • FORMIC ACID
- PAX: 851
- CAO: 855
- Store between 15°C and 25°C