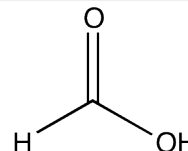


Identification

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. 0,000005 %
aluminium (Al).....	max. 0,000005 %	molybdenum (Mo).....	max. 0,000005 %
barium (Ba).....	max. 0,000005 %	potassium (K).....	max. 0,00001 %
cadmium (Cd).....	max. 0,000005 %	silver (Ag).....	max. 0,000005 %
calcium (Ca).....	max. 0,00002 %	sodium (Na).....	max. 0,00005 %
chromium (Cr).....	max. 0,000005 %	strontium (Sr).....	max. 0,000005 %
cobalt (Co).....	max. 0,000005 %	thallium (Tl).....	max. 0,000005 %
copper (Cu).....	max. 0,000005 %	zinc (Zn).....	max. 0,000005 %
iron (Fe).....	max. 0,00002 %		
lead (Pb).....	max. 0,000005 %	suitability for use in LC-MS.....	passes test
lithium (Li).....	max. 0,000005 %		
magnesium (Mg).....	max. 0,00005 %		
manganese (Mn).....	max. 0,000005 %		

Packaging
Packaging Code

50 ml 5

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: 808
- CAO: 812
- Store between 15°C and 25°C