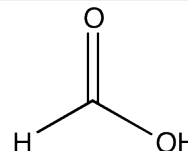


Identification

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




Applications

analytical chemistry, synthesis of organic products, in the rubber industry, acidifying agent, cosmetics.

Specifications

assay (acidimetric).....	min. 85 %	heavy metals (as Pb).....	max. 0,0005 %
colour (Hazen).....	max. 10	iron (Fe).....	max. 0,00001 %
acetic acid (CH ₃ COOH).....	max. 0,4 %	lead (Pb).....	max. 0,000002 %
chlorides (Cl).....	max. 0,001 %	lithium (Li).....	max. 0,000002 %
sulfates (SO ₄).....	max. 0,002 %	magnesium (Mg).....	max. 0,00005 %
sulfites (SO ₃).....	max. 0,001 %	manganese (Mn).....	max. 0,000005 %
aluminium (Al).....	max. 0,000005 %	nickel (Ni).....	max. 0,000005 %
ammonium (NH ₄).....	max. 0,005 %	potassium (K).....	max. 0,00001 %
barium (Ba).....	max. 0,000005 %	silver (Ag).....	max. 0,000002 %
cadmium (Cd).....	max. 0,000005 %	sodium (Na).....	max. 0,0001 %
calcium (Ca).....	max. 0,00005 %	zinc (Zn).....	max. 0,000005 %
chromium (Cr).....	max. 0,000002 %	residue on evaporation.....	max. 0,002 %
copper (Cu).....	max. 0,000002 %		

Packaging
Packaging Code

- 1 l  AC10811000
- 2,5 l  AC10812500
- 5 l  AC1081005P

Physical data

- Density: ~ 1,2 g/cm³
- Solub. in water: (20 °C): miscible
- Melting point: ~ -9 °C
- Boiling point: ~ 107 °C
- Flash point: 69 °C
- Expl. limit (upper): 45,5 Vol%
- Expl. limit (lower): 10 Vol%

Safety - GHS

Signal Word: Danger


Hazard Statements:

- H314: Causes severe skin burns and eye damage.
- H302: Harmful if swallowed.

Precautionary Statements:

- P260: Do not breathe dust / fume / gas / mist / vapours / spray.
- 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.
- P321: Specific treatment (see on this label).
- 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 (pure substance)
- MAK: 5 ml/m³, 9,5 mg/m³
- Poison class CH (Swiss): 3

Transport/storage

- ADR: 8 C3 II • UN 3412 • FORMIC ACID
- IMDG: 8 II • UN 3412 • FORMIC ACID
- IATA/ICAO: 8 II • UN 3412 • FORMIC ACID
- PAX: 808
- CAO: 812