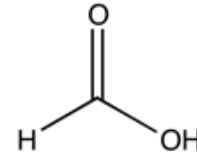


Formic acid, solution 85% w/w, EssentQ®

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 %	copper (Cu).....	max. 0,001 %
chlorides (Cl).....	max. 0,002 %	iron (Fe).....	max. 0,001 %
sulfates (SO ₄).....	max. 0,005 %	lead (Pb).....	max. 0,001 %
ammonium (NH ₄).....	max. 0,01 %	nickel (Ni).....	max. 0,001 %
		residue on evaporation.....	max. 0,01 %

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%
- pH < 1

Safety - GHS

Signal Word: Danger

Hazard Statements:

- H314: Causes severe skin burns and eye damage.
H302: Harmful if swallowed.
H331: Toxic if inhaled.

**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.
P310: Immediately call a POISON CENTER or doctor / physician.
P405: Store locked up.
P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

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
- 10°C - 30°C