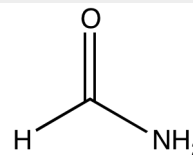


**Formamide, dried (max. 0,02% H<sub>2</sub>O), for analysis, ExpertQ® (Karl Fischer)****Identification**

CH<sub>3</sub>NO  
M = 45,04 g/mol  
CAS [75-12-7]  
EC number: 200-842-0  
Taric code: 2924 19 00

**Synonyms**

Methanamide, Methane amide, Carbamaldehyde, Formic acid amide

**Applications**

analytical chemistry, laboratory reagent, solvents, chromatography, synthesis of organic products.

**Specifications**

assay (as N) .....	min. 99,5 %	iron (Fe).....	max. 1 ppm
identity (IR-spectrum).....	passes test	lead (Pb).....	max. 1 ppm
density (20°/4°).....	1,132 - 1,135	zinc (Zn).....	max. 1 ppm
colour (Hazen).....	max. 10	formic acid (HCOOH).....	max. 0,02 %
chlorides (Cl).....	max. 0,0001 %	residue on ignition (600 °C).....	max. 0,005 %
cadmium (Cd).....	max. 1 ppm	water (K.F.).....	max. 0,02 %
copper (Cu).....	max. 1 ppm		

**Physical data**

- Density: 1,13 g/cm<sup>3</sup>
- Solub. in water: (20 °C): miscible
- Melting point: 2 °C
- Boiling point: 210 °C (decomposes)
- Flash point: 175 °C
- Ignition temperature: 500 °C
- Vapour pressure: (20 °C) 0,08 hPa
- Dipolar moment: (20 °C) 3,4 Debye
- Dielectric const.: (25 °C) 109,5
- Saturation conc.: (20 °C) 0,24 g/m<sup>3</sup>
- Expl. limit (upper): 19,0 Vol%
- Expl. limit (lower): 2,7 Vol%
- pH(200 g/l H<sub>2</sub>O, 20 °C) 4 - 5
- Hygroscopic

**Safety - GHS**

Signal Word: Danger

**Hazard Statements:**

H360D: May damage the unborn child.

**Precautionary Statements:**

- P281: Use personal protective equipment as required.
- P201: Obtain special instructions before use.
- P202: Do not handle until all safety precautions have been read and understood.
- P308+P313: IF exposed or concerned: Get medical advice / attention.
- P405: Store locked up.
- P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

**Toxicological data**

- LD 50 (oral, rat): 5800 mg/kg
- WGK: 1
- Poison class CH (Swiss): 3

**Transport/storage**

- Store between 15°C and 25°C