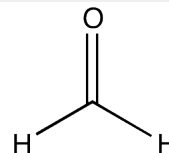


Formaldehyde, solution 37% w/w, for analysis, ExpertQ®, stabilized with methanol
Identification

CH₂O
M = 30,03 g/mol
CAS [50-00-0]
EC number: 200-001-8
Taric code: 2912 11 00


Synonyms

Formalin solution, Formol, Methanal solution, Methyl aldehyde solution

Applications

disinfectant, synthesis of organic products, in embalming liquids, analytical chemistry, photography.

Specifications

assay (acidimetric).....	34,5 - 38,0 %	acidity.....	passes test
identity.....	passes test	free acid (as HCOOH)	max. 0,035 %
density (20°/4°).....	1,080 - 1,101	chlorides (Cl).....	max. 5 ppm
appearance of solution.....	colourless	sulfates (SO ₄).....	max. 0,002 %
colour (Hazen).....	max. 10	heavy metals.....	max. 5 ppm
methanol (G.C.).....	9,0 - 15,0 %	iron (Fe).....	max. 5 ppm
		residue on ignition.....	max. 0,005 %

Physical data

- Density: 1,09 g/cm³
- Melting point: < -15 °C
- Boiling point: 93 - 96 °C
- Flash point: 62 °C
- Ignition temperature: ~ 300 °C (pure substance)
- Vapour pressure: 1,3 hPa (formaldehyde)
- Expl. limit (upper): 73 Vol% (formaldehyde)
- Expl. limit (lower): 7 Vol% (formaldehyde)
- pH(20 °C) 3 - 4
- Hygroscopic

Safety - GHS

Signal Word: Danger

Hazard Statements:

- H301+H311+H331: Toxic if swallowed, in contact with skin or if inhaled.
H314: Causes severe skin burns and eye damage.
H317: May cause an allergic skin reaction.
H335: May cause respiratory irritation.
H341: Suspected of causing genetic defects.
H350: May cause cancer.
H371: May cause damage to organs.


Precautionary Statements:

- P260: Do not breathe dust / fume / gas / mist / vapours / spray.
P301+P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
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.

Transport/storage

- ADR: 8 C9 III • UN 2209 • FORMALDEHYDE SOLUTION
- IMDG: 8 III • UN 2209 • FORMALDEHYDE SOLUTION
- IATA/ICAO: 8 III • UN 2209 • FORMALDEHYDE SOLUTION
- PAX: 818
- CAO: 820
- 10°C - 30°C