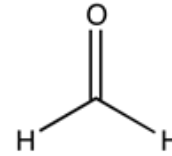


**Formaldehyde, solution 37% w/w, EssentQ®, stabilized with methanol****Identification**

CH<sub>2</sub>O  
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 %	methanol (G.C.) (v/v).....	9,0 - 15,0 %
identity.....	passes test	density (20°/4°).....	1,080 - 1,101

**Physical data**

- Density: 1,09 g/cm<sup>3</sup>
- 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