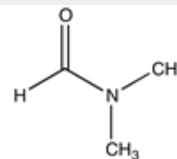


**Identification**

C<sub>3</sub>H<sub>7</sub>NO  
M = 73,10 g/mol  
CAS [68-12-2]  
EC number: 200-679-5  
Taric code: 2924 19 00


**Synonyms**

DMF, Formic acid dimethylamide

**Applications**

solvents, synthesis of organic products.

**Specifications**

assay (G.C.)..... min. 99,8 %  
identity (IR-spectrum)..... passes test  
density (20°/4°)..... 0,948 - 0,950  
residue on evaporation..... max. 0,0001 %

water (K.F.)..... max. 0,05 %  
Suitable for organohalogenated pesticide and dioxins, furans and PCBs residue analysis  
ECD, from 1,2,4-trichlorobenzene to decachlorobiphenyl, no peaks are obtained greater than 3 pg/ml as lindane.  
No peaks are obtained in vicinity of 2,4,5-trichlorobiphenyl.

**Physical data**

- Density: 0,94 g/cm<sup>3</sup>
- Solub. in water: (20 °C): miscible
- Melting point: -61 °C
- Boiling point: 153 °C
- Flash point: 58 °C
- Ignition temperature: 410 °C
- Vapour pressure: (20 °C) 3,77 hPa
- Refraction index: (n 20 °C/D) 1,4305
- Viscosity: (20 °C) 0,8 mPas
- Dipolar moment: (20 °C) 3,8 Debye
- Dielectric const.: (20 °C) 36,7
- Saturation conc.: (20 °C) 12 g/m<sup>3</sup>
- Expl. limit (upper): 16 Vol%
- Expl. limit (lower): 2,2 Vol%
- pH(200 g/l H<sub>2</sub>O, 20 °C) 7
- Hygroscopic

**Safety - GHS**

**Signal Word:** Danger

**Hazard Statements:**

H226: Flammable liquid and vapour.  
H312+H332: Harmful in contact with skin or if inhaled.  
H319: Causes serious eye irritation.  
H360D: May damage the unborn child.


**Precautionary Statements:**

P210: Keep away from heat / sparks / open flames / hot surfaces. - No smoking.  
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.  
P370+P378: In case of fire: Use ... for extinction.  
P405: Store locked up.  
P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

**Transport/storage**

- ADR: 3 F1 III • UN 2265 • N,N-DIMETHYL-FORMAMIDE
- IMDG: 3 III • UN 2265 • N,N-DIMETHYLFORMAMIDE
- IATA/ICAO: 3 III • UN 2265 • N,N-DIMETHYLFORMAMIDE
- PAX: 355
- CAO: 366
- 15°C - 25°C