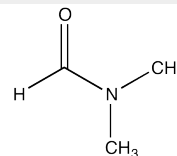


**Identification**

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 %	chromium (Cr).....	max. 0,000002 %
identity (IR-spectrum).....	passes test	cobalt (Co).....	max. 0,000002 %
density (20°/4°).....	0,948 - 0,950	copper (Cu).....	max. 0,000002 %
appearance.....	clear	iron (Fe).....	max. 0,00001 %
colour (Hazen).....	max. 10	lead (Pb).....	max. 0,00001 %
acidity.....	max. 0,0005 meq/g	magnesium (Mg).....	max. 0,00001 %
alkalinity.....	max. 0,003 meq/g	manganese (Mn).....	max. 0,000002 %
aluminium (Al).....	max. 0,00005 %	nickel (Ni).....	max. 0,000002 %
barium (Ba).....	max. 0,00001 %	tin (Sn).....	max. 0,00001 %
boron (B).....	max. 0,000002 %	zinc (Zn).....	max. 0,00001 %
cadmium (Cd).....	max. 0,000005 %	residue on evaporation.....	max. 0,001 %
calcium (Ca).....	max. 0,00005 %	water (K.F.).....	max. 0,01 %

**Packaging**
**Packaging Code**

1 I 0 DI10711000

**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:**

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


**Precautionary Statements:**

- P210: Keep away from heat / sparks / open flames / hot surfaces. - No smoking.  
P241: Use explosion-proof electrical / ventilating / lighting / equipment.  
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.

**Toxicological data**

- LD 50 (oral, rat): 2800 mg/kg
- MAK: 10 ml/m<sup>3</sup>, 30 mg/m<sup>3</sup>
- WGK: 1
- Poison class CH (Swiss): 3

**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: 309
- CAO: 310
- Store between 15°C and 25°C