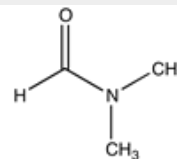


Identification

C_3H_7NO
 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. 99,9 %	magnesium (Mg).....	max. 0,1 ppm
identity (IR-spectrum).....	passes test	manganese (Mn).....	max. 0,01 ppm
density (20°/4°).....	0,948 - 0,950	nickel (Ni).....	max. 0,02 ppm
appearance.....	clear	tin (Sn).....	max. 0,1 ppm
colour (Hazen).....	max. 10	zinc (Zn).....	max. 0,01 ppm
acidity.....	max. 0,0005 meq/g	residue on evaporation.....	max. 0,0002 %
alkalinity.....	max. 0,003 meq/g	water (K.F.).....	max. 0,05 %
aluminium (Al).....	max. 0,1 ppm		
barium (Ba).....	max. 0,01 ppm	liquid chromatography suitability absorbance.....	passes test
boron (B).....	max. 0,02 ppm		
cadmium (Cd).....	max. 0,01 ppm	min. transmission/max. absorbance in a 1,0 cm cell at	
calcium (Ca).....	max. 0,3 ppm	wavelength:.....	T(%) A (AU)
chromium (Cr).....	max. 0,02 ppm	275 nm.....	50 % 0,301 AU
cobalt (Co).....	max. 0,02 ppm	290 nm.....	80 % 0,097 AU
copper (Cu).....	max. 0,02 ppm	300 nm.....	90 % 0,046 AU
iron (Fe).....	max. 0,02 ppm	330 nm.....	98 % 0,009 AU
lead (Pb).....	max. 0,1 ppm		

Microfiltered through membranes of pore diameter 0,22 µm

Physical data

- Density: 0,94 g/cm³
- 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/m³
- Expl. limit (upper): 16 Vol%
- Expl. limit (lower): 2,2 Vol%
- pH(200 g/l H₂O, 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