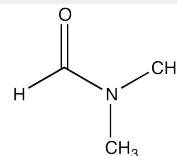


Identification

C₃H₇NO
 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 %	free alkali (as (CH ₃) ₂ NH).....	max. 0,0005 %
identity (IR-spectrum).....	passes test	residue on evaporation.....	max. 0,0003 %
density (20°/4°).....	0,948 - 0,950	water (K.F.).....	max. 0,05 %
free acid (as HCOOH)	max. 0,001 %		

Packaging
Packaging Code

1 l  DI10701000
 2,5 l  DI10702500

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:

- 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/m³, 30 mg/m³
- 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