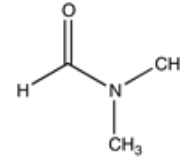


Identification

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 %	cyclohexane.....	1 mg/l
refractive index n ₂₀ /D.....	1,430 - 1,440	acetonitrile.....	0,4 mg/l
water (K.F.).....	max. 0,03 %	2-propanol.....	1 mg/l
		isopropyl acetate.....	1 mg/l
Packed under inert gas		n-Propanol.....	1 mg/l
Suitable for residual solvents analysis according to guideline		n-Heptane.....	1 mg/l
CPMP/ICH/283/95, Ph Eur and USP.		methylcyclohexane.....	1 mg/l
Class 1 according to ICH less than 0,5 ppm.		1,4-Dioxane.....	0,4 mg/l
benzene (G.C.).....	absence of peak	toluene.....	0,9 mg/l
Class 2 and class 3 solvents		pyridine.....	1 mg/l
dichloromethane.....	0,6 mg/l	n-butanol.....	1 mg/l
tert-Butyl methyl ether.....	1 mg/l	butyl acetate.....	1 mg/l
acetone.....	1 mg/l	ethylbenzene.....	1 mg/l
methanol.....	1 mg/l	p-Xylene.....	1 mg/l
tetrahydrofuran.....	0,7 mg/l	m-Xylene.....	1 mg/l
n-Hexane.....	0,3 mg/l	o-Xylene.....	1 mg/l
ethyl acetate.....	1 mg/l	Other class 2 solvents.....	max. 10 mg/L
ethanol.....	1 mg/l	Other class 3 solvents.....	max. 50 mg/L

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: (n₂₀ °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
- 10°C - 30°C