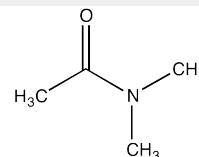


N,N-Dimethylacetamide, GC head space grade

Identification

C₄H₉NO
M = 87,12 g/mol
CAS [127-19-5]
EC number: 204-826-4
Taric code: 2924 19 00



Synonyms

Acetic acid dimethylamide

Applications

laboratory reagent, solvents (synthesis of organic products).

Specifications

assay (G.C.).....min. 99,9 %
refractive index n₂₀/D..... 1,438 - 1,439
water (K.F.)..... max. 0,03 %

Packed under inert gas

Suitable for residual solvents analysis according to guideline CPMP/ICH/283/95, Ph Eur and USP.

Class 1 according to ICH less than 0,5 ppm.

benzene (G.C.)..... absence of peak

Class 2 and class 3 solvents

dichloromethane..... 0,6 mg/l
tert-Butyl methyl ether..... 1 mg/l
acetone 1 mg/l
methanol 1 mg/l
tetrahydrofuran..... 0,7 mg/l
n-Hexane..... 0,3 mg/l
ethyl acetate..... 1 mg/l
ethanol..... 1 mg/l
cyclohexane..... 1 mg/l

acetonitrile..... 0,4 mg/l
2-propanol..... 1 mg/l
isopropyl acetate..... 1 mg/l
n-Propanol..... 1 mg/l
n-Heptane..... 1 mg/l
methylcyclohexane..... 1 mg/l
1,4-Dioxane..... 0,4 mg/l
toluene..... 0,9 mg/l
pyridine..... 1 mg/l
n-butanol..... 1 mg/l
butyl acetate..... 1 mg/l
ethylbenzene..... 1 mg/l
p-Xylene..... 1 mg/l
m-Xylene..... 1 mg/l
o-Xylene..... 1 mg/l
DMF..... max. 20 mg/l
Other class 2 solvents..... max. 10 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: -20 °C
- Boiling point: 165 -166 °C
- Flash point: 64 °C
- Ignition temperature: 320 °C
- Vapour pressure: (20 °C) 1,76 hPa
- Refraction index: (n₂₀ °C/D) 1,4230
- Dipolar moment: (20 °C) 3,8 Debye
- Dielectric const.: (25 °C) 37,8
- Saturation conc.: (20 °C) 12 g/m³
- Expl. limit (upper): 11,5 Vol%
- Expl. limit (lower): 1,7 Vol%
- pH(200 g/l H₂O, 20 °C) ~ 4
- Hygroscopic

Safety - GHS

Signal Word: Danger

Hazard Statements:

H312+H332: Harmful in contact with skin or if inhaled.
H360D: May damage the unborn child.



Precautionary Statements:

P261: Avoid breathing dust / fume / gas / mist / vapours / spray.
P280: Wear protective gloves / protective clothing / eye protection / face protection.
P321: Specific treatment (see on this label).
P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P405: Store locked up.
P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

Transport/storage

- 10°C - 30°C