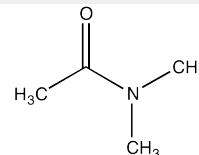


N,N-Dimethylacetamide, HPLC grade

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. 99,8 %
identity (IR-spectrum).....passes test
density (20°/4°).....0,940 - 0,942
acidity.....max. 0,0005 meq/g
alkalinity.....max. 0,003 meq/g
residue on evaporation.....max. 0,0002 %
water (K.F.).....max. 0,05 %

min. transmission/max. absorbance in a 1,0 cm cell at
wavelength:.....T(%) A (AU)
275 nm.....20 % 0,699 AU
285 nm.....50 % 0,301 AU
310 nm.....90 % 0,046 AU

Microfiltered through membranes of pore diameter 0,22 µm

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: (n 20 °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