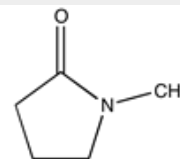


1-Methyl-2-pyrrolidone, peptide synthesis grade**Identification**

C₅H₉NO
M = 99,13 g/mol
CAS [872-50-4]
EC number: 212-828-1
Taric code: 2933 79 00

**Synonyms**

N-Methylpyrrolidone, N-Methyl-2-pyrrolidinone, NMP

Applications

analytical chemistry, chromatography, synthesis of organic products.

Specifications

assay (G.C.).....	min. 99,5 %	colour (Hazen).....	max. 10
identity (IR-spectrum).....	passes test	methylamine.....	max. 0,01 %
density (20°/4°).....	1,031 - 1,034	water (K.F.).....	max. 0,08 %

Physical data

- Density: 1,03 g/cm³
- Solub. in water: (20 °C): miscible
- Melting point: -24 °C
- Boiling point: 202 °C
- Flash point: 91 °C
- Ignition temperature: 245 °C
- Vapour pressure: (20 °C) 0,32 hPa
- Refraction index: (n 20 °C/D) 1,4684
- Viscosity: (20 °C) 1,67 mPas
- Dipolar moment: (20 °C) 4,1 Debye
- Dielectric const.: (25 °C) 33
- Expl. limit (upper): 9,5 Vol%
- Expl. limit (lower): 1,3 Vol%
- pH(100 g/l H₂O, 20 °C) 8,5 - 10,0

Safety - GHS

Signal Word: Danger

Hazard Statements:

H315: Causes skin irritation.
H319: Causes serious eye irritation.
H360D: May damage the unborn child.
H335: May cause respiratory irritation.

**Precautionary Statements:**

P261: Avoid breathing dust / fume / gas / mist / vapours / spray.
P280: Wear protective gloves / protective clothing / eye protection / face protection.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P321: Specific treatment (see on this label).
P405: Store locked up.
P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

Transport/storage

- 10°C - 30°C