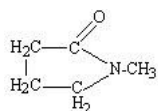


Technical Data Sheet

N-Methyl Pyrrolidone (NMP)

Product information:

Chemical name: N-Methyl pyrrolidone; 1-Methyl-2-pyrrolidone; N-Methyl-2-Pyrrolidone
 CAS NO.: 872-50-4
 Molecular formula: C₅H₉NO
 Molecular weight: 99.134



Structural formula:
 Refractive index(nD20): 1.465-1.475
 Melting point: -23.6°C
 Boiling point: 202°C
 Ignition temperature 245°C
 Dynamic at (20°C/mPas) 1.796

Properties:

Colourless transparent liquid,it has strong water absorption. It can almost dissolve in all the solvents(ethanol, aldehyde, ketone, aromatic hydrocarbon, etc).

Specification (Operative Standard:Q/1423MCX002-2012)

Item	Micro-electronic grade	Electronic grade	Pharmaceutical grade	Industrial Grade
Purity %	≥99.90	≥99.90	≥99.80	≥99.50
Moisture %	≤0.01	≤0.02	≤0.030	≤0.050
Chroma /APHA	≤10	≤10	≤20	≤25
Density (20°C) g/ml	1.026-1.036	1.026-1.036	1.026-1.036	1.026-1.036
PH Value/ (20°C)50%	6.5-9.0	6.5-9.0	—	—
Flash point (closed cup) /20°C	89	89	89	89

Uses:

As a high-selective polar solvent and nitrogen heterocycle compound, NMP has such advantages as no n-toxicity, high boiling point, low corrosion, high solubility, low viscosity, low volatility and good stability and high selectivity.

- (1) Micro-electronic grade: Liquid crystal display、 Semiconductor
- (2) Electronic grade: Mainly used in lithium batteries, fiber and other industries
- (3) Pharmaceutical grade: Mainly used in pharmaceutical solvents, intermediates, etc
- (4) Industry grade: Mainly used in petroleum extraction, pesticides, insulating paint, industrial cleaning, etc.

Packing:

Galvanization drum(net weight 200kg)

Paint drum(net weight 200kg)

HDPE drum(net weight 200kg)

IBC drum(net weight 1000kg)

ISO TANK(net weight 20MT)

Aprill tank lorry(net weight 30MT)

Storage and transportation:

Store in cool and airy place; keep away from fire and heat; handle with care; avoid leakage. In the specified storage conditions, product warranty for one year.