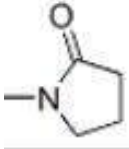


## Technical Data Sheet

### Basic information

Chemical name	N-Methyl pyrrolidinone	Formula	C5H9NO
Synonyms	M-PYROL(R); NMP	Chemical structure	
CAS.No.	872-50-4		
EINECS No.	212-828-1		
Molecular weight	99.13		

### Physical properties

Appearance	Colorless transparent liquid
Density, 20°C, g/cm <sup>3</sup>	1,030
Boiling point, °C	202
Melting point, °C	-24
Flash point, °C	86
Refractive index	1.479
Solubility	Mixed with water in any proportion, soluble in ether, acetone and esters, halogenated hydrocarbons, aromatic hydrocarbons and other organic solvents, almost completely mixed with all solvents

### Specification

Items	Electronic Grade	Technical Grade
Assay, % (G.C.)	≥ 99.9	≥ 99.5
Moisture, % (K.F.)	≤ 0.03	≤ 0.10
Color (Hazen)	≤ 10	≤ 20
Refractive Index	1.467~1.471	1.467~1.471
Density	1.029~1.035	1.029~1.035
Na, ppb	≤ 20	/
Mg, ppb	≤ 20	/
Al, ppb	≤ 20	/
K, ppb	≤ 20	/
Ca, ppb	≤ 20	/
Cr, ppb	≤ 20	/
Mn, ppb	≤ 20	/
Fe, ppb	≤ 20	/
Ni, ppb	≤ 20	/
Co, ppb	≤ 20	/
Cu, ppb	≤ 20	/
Zn, ppb	≤ 20	/
Pb, ppb	≤ 20	/

## Application

Oil industry	Oil refinery and concentration
Polymerizing solvent	For the engineering plastics and aromatic fiber
Electronic industry	Photoresist stripper, electric insulant, lithium ion battery
Ink and paint industry	High-class coating, printing ink, pigment etc
Industrial cleanup	De-oil, dewax, furnish, anti-rust, anti-gaffiti, depainting
Other	Carrier solvent for Veterinary drugs Carrier solvent for Pesticide and agrochemical drugs.

## Package

- 200kg/steel drum, 16mt(20pallet)/20'ft
- 1000kg/IBC, 20mt/20'ft
- 20mt/ISO Tank

## Safety on transportation

It belongs to common goods, always refer to MSDS.

## Storage and handling

Keep tightly closed, store in a cool dry place.

Please refer to the Materials Safety Data Sheet (MSDS) for the handling methods.

*The information above is believed to be accurate and represents the best information currently available to us. However, In no event shall we be liable for any claims, losses, or damages of any third party resulting from its use.*

**Issue Date:** 1<sup>st</sup> 12, 2016