

N-Methyl Pyrrolidone (NMP)

Specifications

CAS NO.

CAS NO.	872-50-4
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NATURE

NATURE	It is a clear colourless liquid (Turns yellow on exposure to heat.)
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PHYSICAL PROPERTIES

Empirical Formula	C5H9NO
Molecular Wt.	99.13
Specific Gravity	1.028 @ 25 °C
Refractive Index	1.47
Boiling Point	202 °C @ 760 mm Hg
Colour (APHA) Max	50
Solubility in Water	Miscible
Flash Point	93 °C
Autoignition Temperature	270 °C
Flammability Limits	L.E.L : 1.3 vol % U.E.L. : 9.5 vol %
Melting Point	-24 °C
Stability	Stable under ordinary conditions
pH	7.5 - 8.0

SPECIFICATIONS (Standard Grade)

Purity(min) wt % by GC	99.50
Water Content (MAX.) % by KF	0.50
Other Impurities (max) % by GC	0.50
Color Apha(max)	50

SPECIFICATIONS (Ultra Pure Grade)

Purity(min) wt % by GC	99.80 min
Water Content (MAX.) % by KF	0.05 max
Other Impurities (max) % by GC	0.15 max
Color Apha(max)	30 max

MSDS

HEALTH

- NMP is irritating to skin , eyes. In case of contact, affected area should be washed with plenty of water. If sticky, use waterless cleaner. Inhalation should be avoided. In event, victim should be moved to fresh air . Give oxygen or artificial respiration as needed. Obtain emergency medical attention . Prompt action is essential.

Applications

APPLICATIONS: Used as a solvent in pharmaceutical synthesis because of its broad solvency.

OIL REFINING: Solvent for selective extraction of aromatic compound mixers and co-solvent for water resolution. Decoloring agent for oils & waxes. Extraction solvent in lube oil processing and in Natural and Synthetic Gas purification.

OTHERS: Solvent for paint stripping and resins. Metal finishing and PCB manufacturing. Pigment dispersant and disperser for paints and varnishes.

STORAGE: Mild or Stainless Steel. Store away from heat sparks, open flames, strong oxidizing agents and direct sunlight.

PACKING: 200 kgs. Net weight in Mild Steel Drums.

HEALTH & SAFETY: NMP is irritating to skin, eyes. In case of contact, affected area should be washed with plenty of water. If sticky, use waterless cleaner. Inhalation should be avoided. If overcome by exposure, victim should be moved to fresh air. Give oxygen or artificial respiration as needed. Obtain emergency medical attention. Prompt action is essential.