

# N-METHYL-2-PYRROLIDONE (NMP)



CAS Number: 872-50-4

Other Names: 1-Methylpyrrolidin-2-one; N-Methylpyrrolidinone;  
Pharmasolve

Formula: C<sub>5</sub>H<sub>9</sub>NO

## PRODUCT INTRODUCTION

N-methyl-2-pyrrolidone (NMP) shows presence of lactam ring. It appears as clear colorless liquid and it is highly polar and miscible with most organic solvents (alcohols, ethers, ketones, aromatic hydrocarbons, chlorinated hydrocarbons, etc.). It is used in the petrochemical and plastics industries as a solvent, exploiting its non-volatility and ability to dissolve diverse materials.

## PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear Liquid
Purity	99.85 wt%
Moisture	0.012 wt%
Color	11 (Hazen)
Density	1.0325 (D <sub>4</sub> <sup>20</sup> g/mL)
Refractivity	1.4679 (N <sub>D</sub> <sup>20</sup> )

## APPLICATIONS

- N-methyl-2-pyrrolidone (NMP) is useful for the chemical functionalization of graphene sheets by solvothermal reduction of graphene oxide.
- It is also useful for pharmaceutical and different industrial applications due to its broad solvency and low volatility.
- It is used as stripping agent, oven cleaners and paint strippers.
- It is involved in the extraction of lube oil process and in the purification of synthetic gas.

## PACKING OPTIONS

Drums