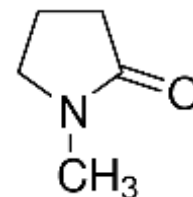


## N-METHYL-2-PYRROLIDONE FOR GC-HS

|                             |                                              |
|-----------------------------|----------------------------------------------|
| PRODUCT CODE                | 753040                                       |
| SYNONYMS                    | N-methyl pyrrolidone, 1-methyl-2-pyrrolidone |
| C.I. NO.                    | --                                           |
| CASR NO.                    | (872-50-4)                                   |
| ATOMIC OR MOLECULAR FORMULA | C <sub>5</sub> H <sub>9</sub> NO             |
| ATOMIC OR MOLECULAR WEIGHT  | 99.13                                        |
| PROPERTIES                  | --                                           |



| PARAMETER                                     | LIMIT                                                       |
|-----------------------------------------------|-------------------------------------------------------------|
| Description                                   | Clear colorless to pale yellow liquid.                      |
| Solubility                                    | Miscible with water forming a clear and colorless solution. |
| Minimum assay (GC)                            | 99.8 %                                                      |
| Wt. per ml at 20 °C                           | 1.028 – 1.033 g                                             |
| Refractive index n <sub>D</sub> <sup>20</sup> | 1.469 – 1.471                                               |
| pH (10 % solution at 25°C)                    | 6.0 – 7.0                                                   |

### MAXIMUM LIMIT OF IMPURITIES

|                                                       |             |
|-------------------------------------------------------|-------------|
| Water (KF)                                            | 0.05%       |
| Acidity (as CH <sub>3</sub> COOH)                     | 0.002%      |
| Non volatile matter                                   | 0.001%      |
| Head space test for organic volatile impurities (OVI) | Passes test |
| Residual solvent limit of Class I (acc. To ICH)       | 1 ppm max   |
| Residual solvent limit of Class II (acc. To ICH)      | 10 ppm max  |
| Residual solvent limit of Class III (acc. To ICH)     | 50 ppm max  |

**Note(s) : Assay (if applicable) method mentioned.**

### WARNING

**Hazard statements :** Harmful if swallowed. May cause allergic skin reaction. May cause damage to organs through prolonged or repeated exposure. Harmful to aquatic life with long lasting effects.

### Precautionary statements

**Prevention:** Wash hands thoroughly after handling. Do not breathe dust/fume/gas/mist/vapours/spray. Avoid breathing dust/fume/gas/mist/vapours /spray. Do not eat, drink or smoke when using this product. Contaminated clothing should not be allowed out of the workplace.

**Response:** If skin irritation or rash occurs, seek medical advice/attention. Get medical advice/attention if you feel unwell. IF ON SKIN: Gently wash with plenty of soap and water. Specific treatment: refer to Label or MSDS. Wash contaminated clothing before reuse.

IMDG Code :

UN No. :

IATA :

**Disposal:** Dissolve the chemical to be disposed, in water and allow it to run to waste, diluting with large quantities of water. The quantities greater than 10g should be dissolved in water and transferred to heavy metal waste drums for collection by specialist disposal company. The waste chemical should be buried on a stage approved site .The liquids should be absorbed on sand.

**Hazard Pictogram(s) :-**



GHS07



GHS08

Replace Date 15-Oct-2025