Technical Data Sheet

**N-Octyl-2-Pyrrolidone**

**Product Information**

- **Chemical Name**: N-Octyl-2-Pyrrolidone, NOP
- **CAS #**: 2687-94-7
- **Formula**: C(12)H(23)NO
- **Molecular Weight**: 197.3
- **Synonyms**: 1-Octylpyrrolidin-2-One; 1-Octyl-2-Pyrrolidinone; 1-Octyl-2-Pyrrolidone; 1-N-Octyl-2-Pyrrolidone; N-Octyl-Pyrrolidone; N-Octyl-2-Pyrrolidone; 1-Octyl-2-Pyrrolidinon; 2-Pyrrolidinone, 1-Octyl-

**Chemical Structure**

![Chemical Structure](attachment:chemical_structure.png)

**Description**

N-Octyl-2-pyrrolidone dist. (NOP) is a colorless to yellow liquid, with an amine-like odor. It is soluble in organic solvents.

**Physical Properties**

- **Melting point, °C**: – 25
- **Boiling range, °C**: 170-172
- **Density @ 25°C, g/cm³**: 0.92
- **Flash point, °C**: > 230 °F

**Specification**

<table>
<thead>
<tr>
<th>Item</th>
<th>Specification</th>
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<tbody>
<tr>
<td>Assay, % min.</td>
<td>99.0</td>
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<tr>
<td>Water, % max.</td>
<td>0.30</td>
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<tr>
<td>Color, APHA max.</td>
<td>30</td>
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</tbody>
</table>
Safety

NOP is corrosive to the eyes, skin and respiratory tract.
Always refer to the Material Safety Data Sheet (MSDS)

Applications

Intermediate used in the production of:
• Agrochemicals
• Electronics
• Industrial chemicals
• Initial product for chemical syntheses
• Solvent

Packaging

180kg/galvanized drum,
80drums(14.4mt)/20"container without pallet
80drums(14.4mt)/20"container with pallet (4drum/pallet)

Storage & Handling

NOP has a shelf life of 24 months in unopened, original containers when kept at 20°C and may yellow after lengthy storage. It must be protected from fire and sources of ignition as well as acids and acid-forming substances. Ensure thorough ventilation of work and storage areas and keep dry.

Always refer to the Material Safety Data Sheet (MSDS) for detailed information on handling and disposal.

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