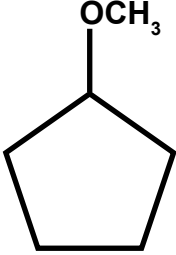
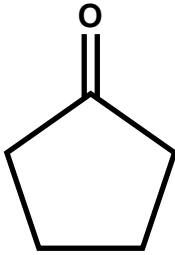


## Specialty Solvents

| Name                | Cyclopentylmethyl Ether (CPME)   | Cyclopentanone (CPN)   |
|---------------------|--|--|
| Group               | ether  | ketone   |
| Structure           |   |   |
| Molecular weight    | 100.16 g/mol   | 84.12 g/mol  |
| Boiling point       | 106 °C   | 131 °C   |
| Density             | 0.86g/cm <sup>3</sup> (25°C)   | 0.95 g/cm <sup>3</sup> (15~20 °C)  |
| Melting point       | < -140 °C  | -58.2 ~ -51 °C   |
| Surface tension     | 25.17 mN/m (20 °C)   | 33.43 mN/m (25 °C)   |
| Specific heat       | 1.818 kJ/(kg·K) (25 °C)  | 1.824 kJ/(kg·K) (25 °C)  |
| Vaporization energy | 290 kJ/kg  | 403 kJ/kg  |
| Viscosity           | 0.569 mPa·s (25 °C)  | 1.075 mPa·s (25 °C)  |
| Flash point         | -1 °C  | 26 ~ 30 °C   |
| Applications        | <ul style="list-style-type: none"> <li>-Industrial chemistry process solvent (reactions, extractions)</li> <li>-Coating solvent</li> </ul> | <ul style="list-style-type: none"> <li>-Developer for photoresists</li> <li>-Solvent for adhesives and polymers</li> <li>-Solvent for synthesis of fragrances and pharmaceuticals</li> </ul> |

Typical properties. Not to be used for purposes of establishing specification(s).

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