



201 Westland Farm Road
Mount Holly, NC 28120
704-827-0216
www.ArroChem.Com

CYCLOHEXANONE

ArroChem's Cyclohexanone is an organic compound with the chemical formula $C_6H_{10}O$. It is a clear, colorless liquid with a pungent odor. Cyclohexanone is widely used in various industrial applications, including as a solvent, intermediate in chemical synthesis, and as a raw material for the production of nylon.

General Characteristics:

Appearance:	Clear, colorless liquid
Ionic Nature:	Non-ionic
Solubility in Water, 25°C:	Soluble
Flash Point:	46°C (115°F)
Specific Gravity:	0.946 at 20°C



APPLICATION:

Cyclohexanone finds a wide range of applications across industries due to its excellent solvent properties and reactivity. Key applications include:

- **Solvent:** Used as a solvent in various coatings, paints, and adhesives.
- **Chemical Synthesis:** Serves as an intermediate in the production of adipic acid, caprolactam (used in the production of nylon), and other chemicals.
- **Textiles:** Utilized as a raw material in the production of nylon bonds.
- **Extraction:** Used in the extraction of natural products and as a flavoring agent in the food industry.