

Cyclohexanone

Clear oily liquid solvent

Product Description

Cyclohexanone used as a solvent for resins, paints, and in nylon production.

Certificate of Analysis

HSN Code: 29141200

CAS Number: 108-94-1

Classification: Hazardous (Flammable Liquid)

Parameter	Specification	Test Method
Chemical Name	Cyclohexanone	Documentation
Chemical Formula	$C_6H_{10}O$	Documentation
Appearance	Colorless to pale yellow liquid	Visual
Purity	≥ 99.5% (industrial grade)	GC
Boiling Point	155.6 °C	Distillation
Density	~0.947 g/cm³ (at 20 °C)	Density Meter
Moisture Content	≤ 0.1 %	Karl Fischer
Acidity (as HCl or equivalent)	≤ 0.005 %	Titration
Color (APHA)	≤ 20	Spectrophotometric
Flash Point	~47 °C (closed cup)	Flash Point Tester
Odor	Ketonic, characteristic	Olfactory

Physical Properties

Appearance: Colorless to pale yellow liquid

Odor: Ketonic, characteristic

Molecular Formula: $C_6H_{10}O$

Molecular Weight: 98.14 g/mol

Solubility: Slightly soluble in water, miscible with most organic solvents

Density: ~0.947 g/cm³ at 20°C

Boiling Point: 155.6 °C

Packing: Steel drums (200 liters), ISO tanks for bulk shipment, Intermediate Bulk Containers (IBC) 1000 liters, Net Weight

Storage: Store in a cool, dry, well-ventilated area away from sources of ignition and heat.

Safety & Handling

PPE: Chemical-resistant gloves, goggles, respiratory protection

Hazards:

- Flammable liquid
- Vapors may cause dizziness and respiratory irritation