

Specifications for Cyclohexanone

Parameter	Value
Molecular Formula	C6H10O
Mol Wt	98.14
CAS #	[108-94-1]
Description	Clear colourless liquid
Purity (%)	99.7 min
Distillation range in deg cel	154-158
Content of cyclohexanol (%)	Report
Content of low boiling products (%)	Report
Moisture (%)	0.1 max
Content of other organic matter (%)	Report

Uses

Industry	Application
Synthetic Fibre	Most important raw material in manufacture of Caprolactam and adipic acid
Coating	As solvent and thinner for lacquers containing NC, methacrylate ester and PVC polymers
Polymer	As solvent in phenolic resins mfr
Agrochemicals	Preferred solvent for DDC and formulations of organophosphorous agrochemicals
Aviation	As sludge solvent in air-turbine fuel
Pharma	Key raw material in manufacture of monomethylcyclohexylamine, dimethylcyclohexylamine (which are intermediates for ibuprofen)
Wax	As solvent in manufacture of waxes and shellac waxes
Process and Manufacturing	In mfr of 2,4-Dinitrophenylhydrazone