

# CYCLOHEXANONE

CAS Number: 108-94-1

Other Names: Ketohexamethylene; Pimelic ketone; Sextone;  
Cyclohexyl ketone; Nadone, Anone

Formula: C<sub>6</sub>H<sub>10</sub>O

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## PRODUCT INTRODUCTION

Cyclohexanone is a six-carbon cyclic molecule with a ketone functional group having chemical formula C<sub>6</sub>H<sub>10</sub>O . It is a colorless, oily liquid with an acetone-like smell. Cyclohexanone is slightly soluble in water and miscible with common organic solvents

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## PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Colorless
Purity	99.94 %
Color (APHA)	5
Distillation Range (Initial) (°C)	155
Distillation Range (95%) (°C)	156
Water Content (%)	0.01
Cyclohexanol and L.B.(%)	0.1
Phenol (ppm)	< 100
Specific Gravity (20/20)	94.90
Acidity (mg/g)	0.004
Non-Volatile Matters (%)	0.004

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## APPLICATIONS

- Over 96% of all cyclohexanone produced is oxidized to adipic acid (for the manufacture of nylon 66) or converted to caprolactam (for the manufacture of nylon 6).

- It acts as a solvent for cellulose acetate, nitrocellulose, waxes, fat, vinyl resins, crude rubber, natural resins, and shellac .
- It is also used as spot remover and degreaser for leather.

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## **PACKAGING OPTIONS**

Drums

Tanks

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