

# CYCLOHEXANONE



Cas Number: 108-94-1

Other Names: Ketoexamethylene; 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	Clear Liquid, No Visible Impurities
Purity	99.9203 wt%
Acidity (as acetic acid)	0.0020 wt%
Color (Pt-Co)	< 5
Density	0.9460 (g/cm <sup>3</sup> )
Distillation Range at 0°C (101.3kPa/°C)	154.5-155.2
95mL Distillation Temperature Interval (°C)	0.6
Water	0.0495 wt%

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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

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