

<b>TECHNICAL DATA SHEET</b>
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## CYCLOHEXANE

**PRESENTATION:**

Cyclohexane is a colorless, flammable liquid with a distinctive detergent-like odor. It is a cyclo-alkane hydrocarbon organic solvent. Cyclohexane is produced by hydrogenation of benzene.

**APPLICATIONS:**

Pure cyclohexane is non-reactive and is typically only used as a solvent. The oxidation of cyclohexane provides cyclohexanol and cyclohexanone. They are much more reactive and are used among others as a raw material for the production of adipic acid and caprolactam.

**TYPICAL PROPERTY**

PROPERTY	UNIT	TYPICAL	TEST METHOD
Density at 15 °C	g/cm <sup>3</sup>	0.7832	ASTM D 4052*
Purity	% wt	99.96	ASTM D 7266*
Benzene	mg/kg	< 10	ASTM D 7266*
Aromatics	mg/kg	< 20	ASTM D 7266*
Methylcyclohexane	mg/kg	110	ASTM D 7266*
Other organic impurities	mg/kg	280	ASTM D 7266*
Sulphur	mg/kg	< 1	ASTM D 5453*
Organic chlorides	mg/kg	< 1	UOP 779*
Nitrogen	mg/kg	< 1	ASTM D 6069*
Evaporation residue	mg/100 ml	< 1	ASTM D 1353*
Solidification point	°C	+ 6.5	ASTM D 1493-97*

\*or equivalent method

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