

Methyl Cyclohexane Industrial Grade

CAS NO. 108-87-2

Product Description	Key Features	Application
<ul style="list-style-type: none"> Methylcyclohexane is a saturated hydrocarbon, it is a colourless liquid with a faint odor. It is one of green & environment friendly solvent, it is less toxic compared to Toluene, making it suitable for the usage requiring less toxicity. It is used for coating including paint, ink, and adhesives and also as cleaning solvent. It is also used in some correction fluids (such as White-Out) as a solvent. Methylcyclohexane, as a component of a mixture, is usually dehydrogenated to toluene, which increases the octane rating of gasoline. 	<ul style="list-style-type: none"> Clear colorless liquid Excellent reactivity as Hydrocarbon solvents Less dense than water and insoluble in water. Petroleum-like odor. Vapors heavier than air. 	<ul style="list-style-type: none"> Biocidal product Cleaning solvent Coating Paint Ink Adhesives Organic solvent Pesticide

Properties	Typical Value	Unit	Test Based On
Acidity as Acetic acid	0.001 Max	wt %	-
Assay	99.8 Min	wt %	-
Autoignition Temperature	250	°C	-
Boiling Point	101	°C	-
Color Pt-Co	5 Max	-	-
Critical Pressure	3480 ± 20	kPa	-
Critical Temperature	572.10 - 574.70	K	-
Critical Volume	0.37	m ³ /kg.mol	-
Empirical Formula	C ₆ H ₁₁ CH ₃	-	-
Evaporation residue	0.01 Max	wt %	-
Expansion Coefficient @ 20 °C	0.00112	Per K	-
Expansive Limits in Air			
Lower	1.2	vol%	-
Upper	6.7	vol%	-
Flash Point	-4	°C	-
Freezing Point	-126.3	°C	-
Hansen Solubility Parameters			
Hydrogen bonding	1	-	-
Nonpolar	16	-	-
Polar	0	-	-
Heat of Combustion	-4604.90	kJ/mol	-
Heat of Vaporization	31.60 – 35.44	kJ/mol	-
Liquid Heat Capacity @ 25 °C	182.00 – 185.29	J/mol K	-
Liquid Viscosity @ 20 °C	0.734	cP (mPa.s)	-
Maximum Incremental Reactivity (MIR)	1.70	-	-
Molecular Weight	98.2	g/mol	-
Refractive Index @ 20°C	1.41705	-	-
Solubility In water	< 0.1	wt %	-
Specific Gravity @ 15.6°C	0.773	-	-
Surface Tension @ 20 °C	23.82	g/s ²	-
Vapor Density (air = 1)	3.38	-	-
Vapor Pressure @ 25 °C	43	mmHg	-
Wt/Vol @ 15.6 °C	0.773	kg/L	-

Notes

Typical properties: these are not to be construed as specifications.

For additional technical, sales and order assistance please contact our sales representative

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