



Methyl Isobutyl Carbinol (MIBC)

Product Data Sheet - typical properties and specifications

Methyl Isobutyl Carbinol (MIBC) is a stable, colorless liquid with a mild alcoholic odor. It is slightly soluble in water and miscible with most organic solvents. MIBC is commonly used by the coatings industry as a latent solvent to adjust cure rates and to reduce viscosity. It is also used as a solvent for dyes and stains, nitrocellulose and ethylcellulose lacquers, ester gums, natural resins, phenolics, and waxes.

Methyl Isobutyl Carbinol is also referred to as 4-methyl-2-Pentanol or Isobutyl Methyl Carbinol.

Health and safety information and safe handling suggestions are available through the appropriate Safety Data Sheet (SDS).

Specifications

Characteristic	Sales Specifications
Appearance	Colorless
Color, Pt-Co	10 Max
Purity, Wt. %	98.0 Min
Water, Wt. %	0.07 Max
Acidity, Wt. %	0.005 Max

For more information on acetone or other chemicals in our product line, call us today at (713) 658-9000.

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Typical Physical Properties

Typical Properties	Typical Value
Structural Formula	 <chem>CC(C)CC(O)C</chem>
Empirical Formula	C ₆ H ₁₄ O
Molecular Weight	102.18 g/mol <i>calculated</i>
Physical State	Liquid
Color	Colorless
Odor	mild alcohol odor
Explosive Limits (by volume in air)	1.0% - 5.5% vol <i>literature</i>
Flash Point	Open cup 40.56°C (105.01 °F)
Autoignition Temperature	335°C (635°F) <i>at 1,013 hPa Literature</i>
Boiling Point (760 mm)	131.7°C (296.06°F) <i>Literature</i>
Density at 20°C, 68°F	6.72 lb/US gal <i>Literature</i>
Melting Point	Not Applicable <i>Literature</i>
Vapor Density (Air = 1.0)	3.5 <i>Literature</i>
Vapor Pressure at 20°C, 77°F	No Data Available <i>Literature</i>
Viscosity Kinematic at 20°C, 68°F	(6.4 mm ² /s) <i>Literature</i>
Water Solubility at 20°C, 68°F at 1 atm	1.7% <i>Literature</i>

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