



Diisobutyl Ketone, 96% (DIBK)

Product Data Sheet - typical properties and specifications

Diisobutyl Ketone (DIBK) is a colorless, stable liquid with a mild sweet odor. DIBK is a high-boiling, slow evaporating solvent that has limited water solubility, but is miscible with alcohols and ketones. DIBK has excellent viscosity reduction for and reduces surface tension in high solid's coatings. DIBK has good volume-to-weight advantage over other classes of solvents used in coatings. DIBK is a non-HAP (Hazardous Air Pollutant) solvent.

Diisobutyl Ketone is also referred to as DIBK; isobutyl ketone; 2,6 dimethyl-4-heptanone; s-diisopropylacetone; isovalerone; valerone

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

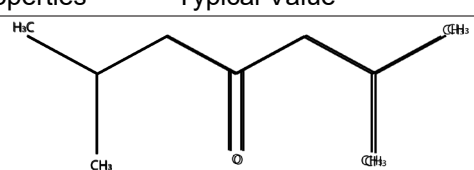
Specifications

Characteristic	Sales Specifications
Appearance	Colorless
Color, Pt-Co	20 Max
Purity, Wt. %	96.0 Min
Water, Wt. %	0.15 Max
Acidity, Wt. %	0.02 Max
Alcohol	2.0% Max
Specific Gravity	0.807 Min - .814 Max
DIBK Primary Isomer	70 min

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	
Empirical Formula	C ₉ H ₁₈ O
Molecular Weight	142.24 g/mol <i>calculated</i>
Physical State	Liquid
Color	Colorless
Odor	mild sweet odor
Explosive Limits (by volume in air)	0.8%-7.1% vol properties
Flash Point	Closed cup 49°C (120 °F) at 1,013 hPa <i>ASTM D 56</i>
Autoignition Temperature	345°C (653°F) at 1,013 hPa <i>Literature</i>
Boiling Point (760 mm)	169°C (336°F) at 760 mmHg <i>Literature</i>
Density at 20°C, 68°F	0.81 lb/US gal <i>Literature</i>
Melting Point	Not Applicable <i>Literature</i>
Vapor Density (Air = 1.0)	4.9 <i>Literature</i>
Vapor Pressure at 20°C	0.23 kPa <i>Literature</i>
Viscosity Kinematic at 20°C, 68°F	(1.3 mm ² /s) <i>Literature</i>
Water Solubility at 25°C, 77°F at 1 atm	0.043 % <i>Literature</i>

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