



Diisobutyl Ketone

DIBK

Isobutyl Ketone

2,6 Dimethyl-4-Heptanone

s-Diisopropylacetone

Isovalerone

Valerone



Description

Diisobutyl ketone is a colorless, stable liquid with a mild sweet odor.

Physical properties

Molecular Weight	142.24
Relative Evaporation Rate nBuAc=1	0.15
Vapor Pressure at 20°C, mmHg	1.3
Density at 20°C lb/gal	6.73
Specific Gravity at 20/20°C	0.807
Viscosity at 20°C cP	1.0
Surface Tension	
(dynes/cm at 20°C)	-
(dynes/cm at 25°C)	23.2
Hansen Solubility Parameters, $[\text{cal}/\text{cm}^3]^{1/2}$	
Total	8.0
Non-Polar	7.6
Polar	1.8
Hydrogen Bonding	2.0
Boiling Point, °C at 760mm Hg	169.4
Solubility at 20°C	
%Wt In Water	0.04
%Wt Water in	0.5
Closed Cup Flash Point °F	120
SARA 313 (see note 1†)	N
Hazardous Air Pollutant (see note 2††)	N
Electrical Resistivity MΩ	1.5

† **Note 1:** Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III Section 313

†† **Note 2:** Hazardous Air Pollutants listed under Title III of the Clean Air Act

(Please see second page)

Classification/Registry Numbers

CAS Number	108-83-8
EINECS	203-620-1

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Features

- Miscible with most organic solvents; immiscible with water
- A high-boiling point, slow-evaporating solvent
- Excellent viscosity reduction for high-solids coatings
- Reduces surface tension in high-solids coatings
- Strong solvency with low density
- Volume-to-weight advantage over other classes of coatings solvents
- Non-HAP (Hazardous air pollutant) Solvent

Applications

- Solvent for nitrocellulose lacquers
- Solvent for synthetic resin such as vinyl, acrylic, alkyd, polyester, and epoxy
- Solvent for high-solids coatings and stains
- Solvent for paint strippers
- Solvent for leather finishing compounds
- Solvent for adhesives
- Solvent for printing inks – roll coating inks
- Solvent for cleaning and degreasing
- Extraction solvent and re-crystallization aid for pharmaceuticals
- Extraction solvent for mining
- Extraction solvent for organic pollutants
- Chemical intermediate for diisobutyl carbinol

How supplied

Region	Packaging	Transport Mode
Europe/Africa	Bulk or Drum	Isotanks
North America	Bulk or Drum	Tank Truck
Pacific	Drum	Box Truck

Note: Consult the appropriate Material Safety Data Sheet for safety and handling guidelines for this product.

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