



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

Special handling

Risk phrase	R10	Flammable
	R37	Irritating to respiratory system
Safety Phrase	S24	Avoid contact with skin

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

The Dow Chemical Company
 Danbury, Connecticut 06817 U.S.A.

In the United States and Canada, Product Information: 1-800-447-4369; Fax: 1-989-832-1465; Technical Support: 1-800-SOLVENT
In Europe: +800 3 694 6367; Toll Phone: +32 3 450 2240; Toll Fax: +32 3 450 2815
In the Pacific: +852 2879 7260; Fax: +852 2827 5881
In Other Global Areas: 1-989-832-1556; Fax: 1-989-832-1465

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