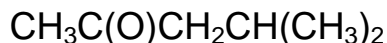




Methyl Isobutyl Ketone

MIBK, Hexanone
2-Pentanone, 4-Methyl
4-Methyl-2-Pentanone



Description

MIBK is a stable, colorless liquid with a pleasant odor. It is both a medium-boiling and a medium-evaporating solvent.

Physical properties

Molecular Weight	100.16
Relative Evaporation Rate nBuAc=1	1.6
Vapor Pressure at 20°C, mmHg	14.8
Density at 20°C lb/gal	6.67
Specific Gravity at 20/20°C	0.802
Viscosity at 20°C cP	0.6
Surface Tension	
(dynes/cm at 20°C)	-
(dynes/cm at 25°C)	24.0
Hansen Solubility Parameters, [cal/cm ³] ^{1/2}	
Total	8.1
Non-Polar	7.5
Polar	3.0
Hydrogen Bonding	2.0
Boiling Point, °C at 760mm Hg	116.1
Solubility at 20°C	
%Wt In Water	1.8
%Wt Water in	1.9
Closed Cup Flash Point °F	61
SARA 313 (see note 1†)	Y
Hazardous Air Pollutant (see note 2††)	Y
Electrical Resistivity MΩ	0.4

† **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

Classification/Registry Numbers

CAS Number	108-10-1
EINECS	203-550-1

(Please see second page)

Methyl Isobutyl Ketone

MIBK, Nexone

2-Pentanone, 4-Methyl

4-Methyl-2-Pentanone

Features

- Slightly soluble in water and miscible with most organic solvents
- High solvency power
- Low viscosity
- Viscosity reducer
- Ketone volume-to-weight advantage over other coatings solvents
- High dilution ratio for hydrocarbon solvents
- Prevents gelling in vinyl resin-based coatings

Applications

- Solvent for high solids coatings
- Solvent for traffic paints
- Solvent for automotive coatings
- Solvent for industrial maintenance coatings and marine coatings
- Solvent for textile coatings
- Solvent for leather finishes
- Solvent for nitrocellulose lacquers
- Solvent for acrylic and vinyl-acrylic resins for adhesives
- Solvent for de-waxing mineral oil
- Extraction solvent for antibiotics and other pharmaceuticals
- Extraction solvent for metals separation
- Extraction solvent for tall oil soap purification
- Carrier solvent for pesticides
- Chemical intermediate

How supplied

Region	Packaging	Transport Mode
Europe/Africa	Bulk or Drum	Tank Truck
Latin America	Bulk or Drum	Tank Truck
North America	Bulk	Tank Truck/Tank Car
Pacific	Bulk or Drum	Tank Truck

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: +800 7776 7776; Fax: +800 7779 7779
In Other Global Areas: 1-989-832-1556; Fax: 1-989-832-1465

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