

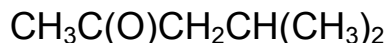


Methyl Isobutyl Ketone

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.

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