

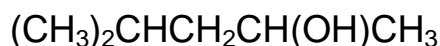


Methyl Isobutyl Carbinol

4-Methyl-2-Pentanol

MIBC

Isobutyl Methyl Carbinol



Description

Methyl isobutyl carbinol is a colorless stable liquid with a mild alcohol odor.

Physical properties

Molecular Weight	102.18
Relative Evaporation Rate nBuAc=1	0.44
Vapor Pressure at 20°C, mmHg	3.7
Density at 20°C lb/gal	6.72
Specific Gravity at 20/20°C	0.807
Viscosity at 20°C cP	5.2
Surface Tension	
(dynes/cm at 20°C)	23.0
(dynes/cm at 25°C)	-
Hansen Solubility Parameters, [cal/cm ³] ^{1/2}	
Total	11.3
Non-Polar	8
Polar	5.7
Hydrogen Bonding	5.6
Boiling Point, °C at 760mm Hg	131.7
Solubility at 20°C	
%Wt In Water	1.7
%Wt Water in	6.2
Closed Cup Flash Point °F	102
SARA 313 (see note 1†)	N
Hazardous Air Pollutant (see note 2††)	N

† **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	108-11-2
EINECS	203-551-7

(Please see second page)

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Features

- Slightly soluble in water and miscible with most organic solvents
- Latent solvent for coatings to adjust cure rate
- Latent solvent for coatings to reduce viscosity and to improve flow and leveling
- Coupling solvent for waterborne coatings
- Non-HAP (Hazardous Air Pollutant) Solvent

Applications

- Solvent for dyes and stains
- Solvent for oils, ester gums, natural resins, phenolics, waxes
- Solvent for nitrocellulose and ethylcellulose lacquers
- Froth flotation for mining
- Extraction solvent for essential oils for flavors/fragrances
- Hydraulic fluid diluent
- Process solvent for soaps
- Chemical intermediate for higher alcohols, surfactants

How supplied

Region	Packaging	Transport Mode
Europe	Bulk	Tank Truck
Latin America	Bulk or Drum	Tank Truck
North America	Bulk	Tank Truck/Railcar
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
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In Other Global Areas: 1-989-832-1556; Fax: 1-989-832-1465

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