

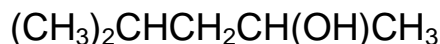


# Methyl Isobutyl Carbinol

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 <sup>3</sup> ] <sup>1/2</sup>	
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

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# Methyl Isobutyl Carbinol

## 4-Methyl-2-Pentanol

### MIBC

## Isobutyl Methyl Carbinol

### 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**  
**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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