



## 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.

### Typical Physical Properties

These properties are typical but do not constitute specifications.

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

## 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/Africa	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.

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