



# Diisobutyl Carbinol

2,6-Dimethyl-4-heptanol

Nonyl Alcohol

Dimethyl Heptanol

C<sub>9</sub>H<sub>19</sub>OH

## Description

A transparent, colorless liquid with a sweet odor.

## Physical properties

Molecular Weight	144.26
Relative Evaporation Rate nBuAc=1	0.02
Vapor Pressure at 20°C, mmHg	0.1
Density at 20°C lb/gal	6.75
Specific Gravity at 20/20°C	0.811
Viscosity at 20°C cP	15.4
Surface Tension	
(dynes/cm at 20°C)	26.0
(dynes/cm at 25°C)	-
Hansen Solubility Parameters	
Total	9.0
Non-Polar	7.3
Polar	1.4
Hydrogen Bonding	5.2
Boiling Point, °C at 760mm Hg	178.0
Solubility at 20°C	
%Wt In Water	0.06
%Wt Water in	1.0
Closed Cup Flash Point °F	149
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	108-82-7
EINECS	203-61-6

(Please see second page)

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## 2,6-Dimethyl-4-heptanol

### Nonyl Alcohol

### Dimethyl Heptanol

#### Features

- Secondary alcohol with steric hinderance
- Very slightly soluble in wter
- Miscible with most orgnic solvents
- High boiling-point, slow-evaporating solvent
- Low surface tension
- Non-HAP (Hazardous air pollutant) Solvent

#### Applications

- Extraction solvent for acetic acid and ethanol from aqueous solution
- Extraction solvent for ethyl acetate from methyl ethyl ketone
- Extraction solvent for neptunium, niobium, protactinium, and zirconium-88
- Flotation agent
- Formation of ester gums for varnish
- Solvent for hydrogen peroxide manufacture, lacquers, shellac, printing inks, vinyl-chloride-acetate resins, urea-melamine resins and alkyd resins
- Refining solvent for petroleum products
- Rubber additive, plasticizer, and surface active agent
- Palladium-catalyzed oxidation to MIBK
- Alkylation by salicylic acid esters
- Chemical intermediate for dyestuffs, perfume manufacture, pesticides, pharmaceuticals, lubricants and oil additives

#### How supplied

- Bulk tank truck
- Drums

#### Special handling

Risk phrase R10 (Flammable)  
R37 (Irritant to respiratory system)  
Safety phrase S24 (Avoid contact with skin)

Note: Consult the appropriate Material Safety Data Sheet for safety and handling guidelines for this product.

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**In the United States and Canada, Product Information: 1-800-447-4369; Fax: 1-989-832-1465; Technical Support: 1-800-SOLVENT**  
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**In the Pacific: +800 7776 7776; Fax: +800 7779 7779**  
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