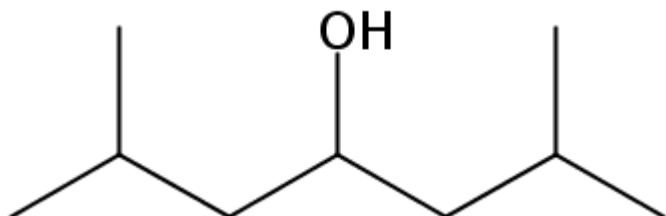


Diisobutyl Carbinol (DIBC)



Diisobutyl Carbinol (DIBC) is a clear, colorless liquid C9 branched alcohol with a mild odor. The principal end uses of DIBC include industrial solvent, coatings, chemical intermediate, and ore flotation.

CAS number

108-82-7

Synonyms

2,6-Dimethyl-4-heptanol

Product code

40972

Typical Physical Properties of DIBC

Molecular Weight	144.25 g/mol
Empirical Formula	C9H20O
Appearance	Colorless Liquid
Freezing Point	-85°C (-65°F)
Flash Point – Closed Cup	144°C (62°F)
Boiling Point @ 760mmHg	178°C (352°F)
Density @ 20°C	0.81 kg/l 6.76 lb/gal
Vapor Pressure @ 20°C	0.14 mmHg
Evaporation Rate (nBuAc = 1)	0.02
Solubility @ 20°C	
(in Water)	0.06%
(Water in)	1.0%
Refractive Index @ 20°C	1.42
Viscosity @ 20°C	15.4 cP
Surface Tension @ 20°C	26.0 dynes/cm
Lower Flammability in Air	0.8% v/v
Upper Flammability in Air	6.1% v/v

Note: The properties reported above are typical physical properties. Monument Chemical in no way guarantees that the product from any particular lot will conform exactly to the given values.

Health and safety information

Under current U.S. OSHA's Hazardous Communication program DIBC is classified as a combustible liquid. Keep the material away from heat sources, hot surfaces, open flames, and sparks.

Observe good industrial hygiene practices and use appropriate Personal Protective Equipment.

For full safety information please refer to the Safety Data Sheet.

Storage and Handling

General industry practice is to store DIBC in carbon steel vessels. Storage in properly lined steel or stainless steel to avoid slight discoloration from carbon steel is recommended. Product stored or delivered in unlined carbon steel vessels must be filtered due to technically unavoidable particles.

DIBC should be stored under a nitrogen blanket when available. This product may absorb water if exposed to air.

DIBC should be stored only in tightly closed, properly vented containers away from heat, sparks, open flame or strong oxidizing agents. Use only non-sparking tools. Containers should be grounded before beginning transfer. Electrical equipment should conform to national electric code. Handle empty containers carefully. Flammable combustible residue remains after emptying.

Provided proper storage and handling precautions are taken, DIBC manufactured and delivered by Monument Chemical is stable for at least 12 months from the date of manufacture. DIBC that is subsequently repackaged, handled and/or delivered by third parties may have a different shelf life and may require third party shelf life studies. Product past the retest date should be evaluated to confirm that all specifications are within their limits before use.

Additional information

To learn more about Monument Chemical and the products and services we offer please visit our website at www.monumentchemical.com.

Effective Date: 10/29/2021

Revision: 2

Disclaimers

Please refer to the Safety Data Sheet (SDS) for complete information on Storage and Handling, Toxicological Properties, Personal Protection, First Aid, Spill and Leak Procedures, and Waste Disposal. To order an SDS, email SDS@monumentchemical.com. Before using or handling this product, the SDS should be thoroughly reviewed.

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