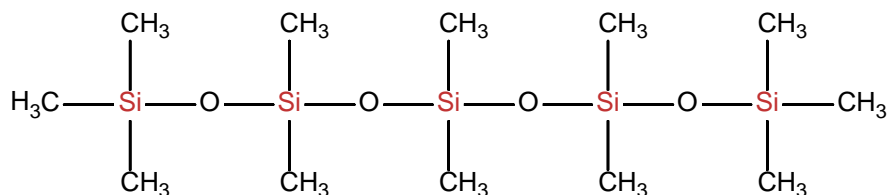


SiSiB® MF2010-2 Silicone Fluid 2cSt

CHEMICAL NAME

Dodecamethylpentasiloxane

CHEMICAL STRUCTURE



INTRODUCTION

SiSiB® MF2010-2 is a linear, non-reactive Dodecamethylpentasiloxane with a very low viscosity of approximately 2 cSt at 25°C.

It is a clear, low-viscosity, volatile silicone fluid with excellent spreadability, low surface tension, and rapid evaporation. Due to its unique balance of volatility and silicone compatibility, it is widely used in personal care formulations, especially in skin care, hair care, and antiperspirant products. It also serves as a carrier, solvent, or volatility regulator in industrial and specialty chemical applications.

FEATURES

- Extremely low viscosity
- Minimal change in physical properties over a broad temperature range
- Excellent water repellency
- Good dielectric properties
- Low surface tension and high surface activity
- High thermal stability and oxidation resistance
- Low solidification point
- Chemically inert and non-reactive
- Soluble in a wide range of organic solvents
- High volatility, fast spreading, and quick evaporation

CAS NUMBER

141-63-9

EINECS NUMBER

205-492-2

PHYSICAL PROPERTIES

Color and Appearance	Colorless transparent liquid
Specific Gravity (25°C)	0.873
Refractive Index (25°C)	1.3960

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Viscosity (cSt)	2
Flash Point (°C)	>86
Melting Point (°C)	-80
Pour Point (°C)	-100
Surface Tension (mN/m)	18.7

APPLICATIONS

Personal Care

- **Volatile Carrier:** Serves as a carrier fluid in skin care products, hair conditioners, and antiperspirants, enhancing spreadability and providing a silky feel.
- **Sensory Enhancer:** Improves texture and provides a non-greasy, smooth finish in lotions and creams.
- **Formulation Aid:** Used in formulations requiring quick evaporation without residue, such as in deodorants and hair sprays.

Cooling and Heat Transfer

- **Cooling Fluids:** Employed as a cooling or heat transfer fluid in closed-loop systems, benefiting from its low viscosity and thermal stability.

PACKING

SiSiB® MF2010-2 is supplied in 170Kg steel drum or 850Kg IBC tote.

HANDLING

This document does not contain the product safety information required for safe use. Before handling, please refer to the product and safety data sheets, as well as container labels, for information on safe usage, physical hazards, and health risks. Safety Data Sheet is available on the website, from the distributor, or by contacting SiSiB customer service.

STORAGE

In the original unopened packaging, SiSiB® MF2010-2 fluid has a shelf life of 24 months when stored at ambient temperatures. The product does not freeze and there are no restrictions on storage.

SiSiB[®] MF2010-2 Silicone Fluid 2cSt

NOTE

All information in the leaflet is based on our present knowledge and experience. We reserve the right to make any changes according to technological progress or further developments. Performance of the product described herein should be verified by testing.

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We disclaim liability for any incidental or consequential damages.