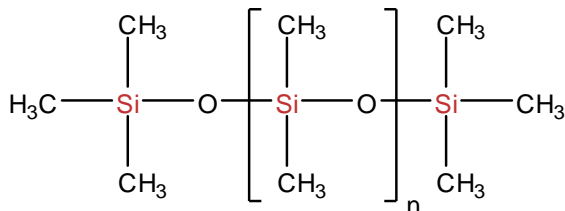




## CHEMICAL STRUCTURE



## INTRODUCTION

SiSiB<sup>®</sup> MF2010 is a silicone fluid with a dimethylpolysiloxane structure. It is a synthetic oil which does not exist in nature. It is composed of organic methyl groups and inorganic siloxane bonds (Si-O-Si). Siloxane bonds also make up such highly heat-resistant materials as glass and quartz. SiSiB<sup>®</sup> MF2010 has numerous unique properties not found in conventional mineral oils or synthetic oils. Products are available in viscosities ranging from water-like, free-flowing fluids to syrup-like fluids.

SiSiB<sup>®</sup> MF2010-10000 is a 100% polydimethylsiloxane of viscosity 10000cSt.

## THE MOST IMPORTANT FEATURES

Features	Advantages	Benefits
100% polydimethylsiloxane	No contamination	Improved quality
Insoluble in most petroleum systems	Remains antifoam properties Low addition levels	More output, cost savings
Low surface tension	High antifoam efficiency	Cost savings
Exceptional stability to chemical attack	No breakdown under processing conditions	Improved product quality
High oxidation resistance	Low risk of breakdown	Improved quality
Inertness	No processing contamination	Improved quality
Very low volatility	Remains in heavy residues	Improved quality
High flash point	Low flammability	Safety in use
Essentially non-toxic	Low risk	Safe to use

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## TYPICAL PHYSICAL PROPERTIES

CAS No.	9006-65-9, 9016-00-6, 63148-62-9
Color and Appearance	Colorless transparent liquid
Specific Gravity <sub>25°C</sub>	0.975
Refractive Index <sub>25°C</sub>	1.403
Viscosity cps	10000 cSt
Flash Point	>300°C
Ignition Point	>400°C
Freezing Point	-50°C
Surface Tension	21.5mN/m

## APPLICATIONS

As a release agent.

Used purely or as a part of a compounded formula SiSiB<sup>®</sup> MF2010 provides a non-toxic, non-carbonizing mould release for rubber, plastics and metal die-castings.

As an Anti-Foam agent.

Very small quantities of the fluid are very effective as a foam control agent, especially in non-aqueous systems.

As a mechanical fluid.

The very high viscosity-index, the thermal and chemical stability, shear-breakdown resistance and the rubber compatibility as well as the compressibility make this fluid outstanding for mechanical and hydraulic uses.

As a lubricant.

The fluid provides excellent lubricating properties for most plastic and elastomeric surfaces. Lubricity with metals depends upon the possible combinations such as P.T.F.E., MoS<sub>2</sub> and other lubricity improvers.

In polishes and chemical specialties.

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## SiSiB<sup>®</sup> MF2010 – 10000 Fluid

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Silicone oil is used in most automobile and furniture polishes for its ease of application, high gloss with a minimum rubbing and durable water repellent film.

In electrical and electronic equipment.

Because of the excellent dielectric properties silicone oil is widely used as an insulating and damping fluid.

### PACKING AND STORAGE

SiSiB<sup>®</sup> MF2010 is supplied in 190Kg steel drum or 950Kg IBC tote.

In the original unopened packaging, SiSiB<sup>®</sup> MF2010 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.

### NOTES

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.

We specifically disclaim any other express or implied warranty of fitness for a particular purpose or merchantability. We disclaim liability for any incidental or consequential damages.

Please send all technical questions concerning quality and product safety to: [silanes@SiSiB.com](mailto:silanes@SiSiB.com).

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