



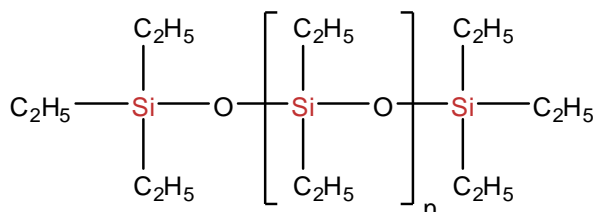
# SiSiB® EF2050 FLUID

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## CHEMICAL NAME

Polydiethylsiloxane

## CHEMICAL STRUCTURE



## INTRODUCTION

Polydiethylsiloxanes offer the same beneficial properties as the Polydimethylsiloxanes with improved compatibility with commonly used cosmetic waxes and oils.

Polydiethylsiloxanes offer improved metal-metal lubrication and low temperature properties when compared to polydimethylsiloxanes.

## TYPICAL PHYSICAL PROPERTIES

Product	SiSiB® EF2050-10
CAS No.	63148-61-8
Molecular Weight	350~400
Color and Appearance	Colorless to straw liquid
Specific Gravity <sub>25°C</sub>	0.913
Refractive Index <sub>25°C</sub>	1.439
Flash Point	110°C
Pour Point	-110°C
Thermal Conductivity, W/m°C	0.133

## APPLICATIONS

Low surface tension enables Polydiethylsiloxanes to spread easily on skin and hair,

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# SiSiB<sup>®</sup> EF2050 FLUID

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acting as a lubricant and de-tackifying agent. Polydiethylsiloxane has a slippery, emollient, yet non-greasy skin feel with more body and cushion than Polydimethylsiloxane of equal viscosities.

Unlike Polydimethylsiloxanes, Polydiethylsiloxanes wet pigments well, when formulating color cosmetics.

They are oxidatively stable to 150°C and thermally stable under inert atmospheres to 225°C. These fluids are often used in low temperature aerospace hydraulics.

## PACKING AND STORAGE

SiSiB<sup>®</sup> EF2050 is supplied in 210L steel drum.

In the original unopened packaging, SiSiB<sup>®</sup> EF2050 has a shelf life of one year in a dry and cool place.

## 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: [support@SiSiB.com](mailto:support@SiSiB.com).

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