

SiSiB® PC19782 Volatile Silicone Fluids

INCI NAME

Dimethicone

INTRODUCTION

SiSiB® PC19782 is a volatile, low-viscosity linear polydimethylsiloxane (PDMS) with a volatility rate similar to cyclopentasiloxane (D5). It features low surface tension, excellent spreading and wetting properties, and imparts a refreshing, non-greasy, and silky skin feel.

SiSiB® PC19782 is compatible with a wide range of cosmetic oils, including mineral oils, vegetable oils, and chemical sunscreens, making it an ideal carrier or base fluid for a variety of personal care formulations.

ADVANTAGES

- Low surface tension for enhanced spreading
- Volatile with evaporation rate close to D5
- Refreshing, non-oily, and non-residual feel
- Excellent compatibility with cosmetic oils and actives
- Improves formulation comfort by reducing greasiness
- Acts as an effective carrier for active ingredients
- Very low cyclic content (D4, D5 < 0.1%)

PHYSICAL PROPERTIES

Appearance	Colorless clear liquid
Specific gravity (25°C)	0.86
Viscosity cps (25°C, cP)	1.0-3.0
Refractive index (25°C)	1.3840-1.3940
D4 content (%)	<0.1
D5 content (%)	<0.1

BENEFITS & APPLICATIONS

SiSiB® PC19782 is broadly used in personal care products, including:

- Antiperspirants and deodorants
- Hair sprays and styling products
- Skin care creams, lotions, and serums
- Bath oils and cleansing products
- Sunscreens and after-sun care products
- Makeup products such as foundations, lipsticks, and nail polishes

USAGE GUIDELINE

It is recommended to conduct a preliminary test to determine the optimal

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dosage.

SiSiB® PC19782 can be directly incorporated into formulations. Due to its volatility, it is recommended to process at room temperature when possible to minimize evaporation. Short-term heating is permissible if necessary.

PACKING

SiSiB® PC19782 is available in 190Kg steel Drum.

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

When stored at temperatures below 38°C in the original unopened containers, SiSiB® PC19782 has a shelf life of 36 months from the date of production.

With lower flash point, it is flammable. Pay attention to fire prevention at storage, transport and use, also for damp-proof, prevent to be polluted by acid and alkali substances. Once opened, the container should be tightly sealed after each use.

LIMITATIONS

SiSiB® PC19782 is neither tested nor represented as suitable for medical or pharmaceutical uses.

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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Sustainable Innovation for a Better Future



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