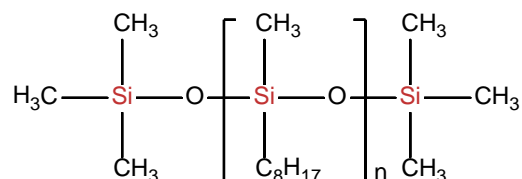


# SiSiB® PC19792 Alkyl Modified Silicone Fluid

## INCI NAME

Caprylyl Methicone

## CHEMICAL STRUCTURE



## INTRODUCTION

SiSiB® PC19792 is an alkyl-modified silicone fluid with a trisiloxane backbone grafted with a caprylyl group. It is a clear, low-viscosity liquid with moderate volatility and very low surface tension. The product offers excellent spreadability, a light and smooth skin feel, and high compatibility with a wide range of cosmetic oils, esters, and silicones. It is commonly used as a carrier, spreading agent, and sensory modifier in personal care formulations.

## ADVANTAGES

- Moderate volatility with light, non-dry skin feel
- Low viscosity and low surface tension
- Excellent spreadability and fast wetting
- Reduces surface tension of vegetable and mineral oils
- Acts as a co-solubilizer between silicone oils and hydrocarbon oils
- Improves gloss and color intensity in color cosmetics
- Reduces greasiness and tackiness of oil-rich formulations
- Non-flammable and non-occlusive
- Easy to handle and formulate

## PHYSICAL PROPERTIES

Appearance	Transparent liquid
Color	Colorless to light yellow
Refractive index (25°C)	1.4070-1.4170
Specific gravity (25°C)	0.81-0.85
Viscosity (cP, 25°C)	2.0-4.0
Flash point (°C, Closed cup)	Min. 100

*These values are typical and not intended for specification purposes.*

## BENEFITS & APPLICATIONS

SiSiB® PC19792 is suitable for a wide range of personal care formulations,

## SiSiB® PC19792 Alkyl Modified Silicone Fluid

where excellent spreadability, light sensory feel, and good compatibility with oils and pigments are required. Typical applications include:

- Skin care (creams, lotions, gels, cleansers, makeup removers)
- Sun care
- Color cosmetics (lipsticks, foundations, lip glosses)
- Hair care
- Antiperspirants and deodorants
- Carrier and spreading agent for hydrophobic powders and pigments

### RECOMMENDED DOSAGE

SiSiB® PC19792 is typically added to the oil phase of the formulation and mixed until fully dissolved or uniformly blended. Due to its alkyl-modified structure, it shows excellent compatibility with organic ingredients and pigments while maintaining superior spreadability. It helps reduce white residue in formulations containing high levels of volatile materials.

Recommended dosage: 3-20%, depending on formulation requirements.

### PACKING

SiSiB® PC19792 is supplied in 25Kg plastic drum and 150Kg iron 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® PC19792 has a shelf life of 24 months from the date of production.

### LIMITATIONS

This product is neither tested nor represented as suitable for medical or pharmaceutical uses.

## SiSiB<sup>®</sup> PC19792 Alkyl Modified Silicone Fluid

### 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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