

SiSiB® PC13201 Functional Silicone Fluid Blends

INCI NAME

C13-16 Isoparaffin (and) Dimethicone

INTRODUCTION

SiSiB® PC13201 is a mixture of ultra-large molecular weight dimethicone and isoalkane (C13-16 Isoparaffin), offering a silky-smooth feel and a lightweight, non-greasy texture.

It forms a permeable film on the skin, providing a lasting, soft, silky touch while enhancing the moisturizing properties of the product.

With its high hydrophobicity, SiSiB® PC13201 improves the water resistance of formulations, delivering long-lasting water-resistant effects.

In hair care, SiSiB® PC13201 enhances dry and wet combing, repairs hair quality, provides color and heat protection, and helps reduce frizz. It increases elasticity, maintains curl, and leaves hair silky, soft, and shiny.

ADVANTAGES

- Excellent spread ability
- Outstanding velvety soft smoothness
- Lightsome, non-greasy, non-sticky
- Can form a soft film, breathable and hydrating
- Lasting silky softness
- High water resistance
- Excellent hair conditioning effect
- Can smooth, shine, soften and repair hair
- Color retention

PHYSICAL PROPERTIES

Appearance	Colorless transparent sticky liquid
Solid content (%)	10-20
Viscosity (25°C, cPs)	4000-6000
Refractive index (nD ²⁵)	1.4200-1.4300
Specific gravity (25°C)	0.78-0.82

BENEFITS & APPLICATIONS

SiSiB® PC13201 can be used to prepare O/W, W/O products, also can be used in anhydrous formulations, hair care products, skin care products, makeup products, sunscreens and tanning products.

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SiSiB® PC13201 can also apply in antiperspirant and deodorant.

Usage:

Emulsion Products:

It is suggested to dilute with cyclic silicone oil or low viscosity silicone oil, Isoparaffin, Isononyl Isononate, etc., and then add the other components; When the oil phase needs to be heated, the rest of the components can be heated to the specified temperature before adding SiSiB® PC13201 diluent and stirring evenly to avoid long heating.

Non-Emulsion Products:

It is suggested to dilute with cyclic silicone oil or low viscosity silicone oil, Isoparaffin, Isononyl Isononate, etc., and then add the other components.

PACKING

SiSiB® PC13201 is packed in 50Kg pails.

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® PC13201 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.

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.