

SiSiB® PC12842 Alkyl Dimethicone

INCI NAME

Cetyl Dimethicone (and) Dimethicone (and) Hexadecene

INTRODUCTION

SiSiB® PC12842 is an ultra-low viscosity alkyl modified polymethylsiloxane polymer. The combination of long carbon chains and low-polymerization degree siloxane segments makes it more compatible with cosmetic raw materials.

SiSiB® PC12842 provides better skin affinity and high refractive index compared with common dimethicone.

PC12842 can provide non-greasy, smooth and refreshing feeling. And its low viscosity makes it have excellent spreadability and helps to wet and disperse the material.

ADVANTAGES

- Silky smooth, soft and good skin affinity
- High demoulding property
- Spreads quickly on the skin, very refreshing, non-greasy, quickly absorbed, removes the stickiness of the product
- Good moisturizing
- Excellent oil compatibility: compatible with almost all silicone oils and all esters, long-chain alkanes in any ratio; compatible with sunscreen (Parsol MCX) in any ratio; compatible with commonly used organic waxes
- Good powder dispersibility, good affinity with ZnO
- Excellent water resistance, improves product waterproof performance
- Closely combined with sunscreen actives to increase SPF of products
- Easy to formulate, especially suitable for make-up products
- High refractive index, increases the gloss and fineness of creams and brightens skin tone
- Increases product stability and lubricity

PHYSICAL PROPERTIES

Appearance	Colorless to yellowish clear liquid
Specific gravity (25°C)	0.825-0.835
Refractive index (25°C)	1.4190-1.4290
Viscosity (25°C, cP)	5-10

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BENEFITS & APPLICATIONS

- Various skin care cream and lotion, sunscreen products, makeup products
- Hair care products
- Family care products

RECOMMENDED DOSAGE

Skin care lotion/cream, hair products: 0.2-5%
Makeup products: 0.5-15%

Applicable to be added into pure oil cosmetics, it can be used along with other oil ingredients at heated or normal temperature; and also used as oil phase in cosmetic formulas.

PACKING

SiSiB® PC12842 is supplied in 20Kg Pail.

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® PC12842 has a shelf life of 24 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® PC12842 is neither tested nor represented as suitable for medical or pharmaceutical uses.

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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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