

SiSiB® PC17514 Silicone Emulsifying and Thickening Agent

INCI NAME Cyclopentasiloxane (and) PEG-10 Dimethicone (and) Distearidimonium Hectorite

INTRODUCTION SiSiB® PC17514 is a high-performance silicone-based rheological additive designed for emulsification, thickening, and suspension in personal care formulations. It combines a volatile silicone carrier with a polyether-modified silicone emulsifier and organoclay to deliver high viscosity, excellent suspension of pigments and actives, and enhanced sensory performance.

This thixotropic gel enables the creation of smooth, stable, non-tacky water-in-silicone emulsions or oil-based systems with outstanding spreadability and elegant skin feel. It helps stabilize emulsions, prevents pigment settling or streaking, and supports uniform film formation in color cosmetics and sunscreens.

- ADVANTAGES**
- High-viscosity thixotropic silicone gel
 - Effective thickening in anhydrous systems
 - Effectively suspends pigments, powders, and actives
 - Enhances skin feel with soft, silky, non-greasy finish
 - Improves SPF uniformity and pigment dispersion in sunscreens
 - Supports thermostable, uniform emulsions in W/Si systems
 - Pre-dispersed, shear-thinning, compatible with cold process

PHYSICAL PROPERTIES

Appearance	Light brown paste
Refractive index (25°C)	1.4030-1.4130
Specific gravity (25°C)	0.98-1.02

These values are typical and not intended for specification purposes.

BENEFITS & APPLICATIONS

SiSiB® PC17514 is ideal for a wide range of personal care applications:

- Foundations, BB/CC creams
- Lip glosses, lipsticks, tinted balms
- Sunscreen and after-sun formulations
- Antiperspirants and deodorants
- Skin care emulsions and color cosmetics

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How to use:

Added SiSiB® PC17514 into oil phase to disperse evenly.

RECOMMENDED DOSAGE

SiSiB® PC17514 should be added directly to the oil or silicone phase and dispersed using moderate to high shear mixing until homogeneous. Ideal for both hot and cold processes. Recommended usage level is 1-15%, depending on desired viscosity and suspension performance.

PACKING

SiSiB® PC17514 is supplied in 25Kg 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 room temperatures in the original unopened containers, SiSiB® PC17514 has a shelf life of 18 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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