

SiSiB® PC13381 Functional Silicone Additives

INCI NAME Dimethicone (and) Dimethicone/Vinyl Dimethicone Crosspolymer

INTRODUCTION SiSiB® PC13381 is a liquid satin blend composed of a high molecular weight silicone polymer dispersed in dimethicone. Dimethicone serves as the carrier, providing a smooth and refreshing skin feel, while the crosslinked Dimethicone/Vinyl Dimethicone Crosspolymer contributes unique rheological behavior and stringing properties. The product delivers a satin-like sensory profile, enhanced gloss, and perceived moisturization in cosmetic formulations.

- FEATURES & BENEFITS**
- Silky, smooth skin feel
 - Unique stringing effect and luxurious texture
 - Excellent lubricity and spreadability
 - Enhances gloss and perceived moisturization
 - Good stability in both cold and hot processing
 - Clear to slightly yellow transparent liquid

PHYSICAL PROPERTIES

Appearance	Colorless to yellowish clear liquid
Non-volatile content (%)	Min.8
Viscosity (cP, 25°C)	500-3,000

BENEFITS & APPLICATIONS

SiSiB® PC13381 is suitable for a wide range of personal care formulations where enhanced gloss, satin feel, and unique rheology are desired. Typical applications include:

- Skin care (lotions, creams, serums)
- Color cosmetics (foundations, BB/CC creams, lipsticks)
- Hair care products (serums, conditioners)
- Sunscreens and after-sun products

USAGE GUIDELINES

SiSiB® PC13381 can be incorporated into oil-in-water (O/W), water-in-oil (W/O), and water-in-silicone (W/Si) emulsions, as well as anhydrous formulations. It can be cold-processed by simple stirring into the oil phase.

If heating is necessary, the processing temperature should not exceed 90°C, and processing should be carried out in a closed system to minimize

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dimethicone volatilization.

The recommended addition level is 2-10%.

PACKING

SiSiB® PC13381 is supplied in 20Kg pails and 200Kg drums.

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

In the original unopened packaging, SiSiB® PC13381 has a shelf life of two years in a dry and cool place.

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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