

SiSiB[®] PC12503

Silicone Wax

INCI: Stearyl Dimethicone & Octadecene

INTRODUCTION

SiSiB[®] PC12503 is cosmetics grade silicon wax. It is composed by alkyl chains which are distributed randomly on linear methicone polymer. The product, for its unique chemical structure which makes them similar to organic solvent and dimethicone, can be dissolved in most oil and solvent.

ADVANTAGES

- ☐ Good affinity to skin, moisturizing skin and hair
- ☐ Improving gloss of skin and hair
- ☐ Compatible to most oil, improving SPF value with organic and inorganic sunscreen agent
- ☐ Not causing acnes
- ☐ Decreasing gray hair in antiperspirant product

TYPICAL PHYSICAL PROPERTIES

Appearance	White wax
Softening temperature °C	28-35
Flash point °C	>93
Viscosity mPa.s	30-70 (37°C)
Specific gravity	0.800-0.950

APPLICATIONS

It's used as a part of oil phase and recommended to heat when using. Usually using with small amount of soluble oil when heating, to prevent crystallizing separation when cooling. If crystallizing happens, the viscosity will increase abnormally when placed at room temperature, even causing demulsification at worst situation. Compatible oil can be added to oil soluble silicone wax to solve this problem, with recommended proportion, silicone wax: oil=10:1~5.

Usage: 0.1-20%

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To replace mineral oil or Vaseline recommended dosage less than 5%.

☐ Compatibility:

Compound	Solubility		
	1:9	5:5	9:1
Water	NC	NC	NC
Stearyl alcohol	C	C	C
Propyl glycol	NC	NC	NC
Cyclodimethicone	C	C	C
Dimethyl siloxane	NC	NC	NC
Phenyltrimethicone	C	C	C
Octadecanol	C	C	C
C: -compatible	NC: not compatible		

PACKING AND STORAGE

SiSiB[®] PC12503 is supplied in 16Kg drum and 160Kg drum.

In the original unopened packaging, SiSiB[®] PC12503 has a shelf life of 24 months at least in a dry and cool place below 25°C.

Under 35°C, SiSiB[®] PC12503 is wax; It's liquid above 35°C.

NOTES

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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Please send all technical questions concerning quality and product safety to: support@SiSiB.com

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