

SiSiB® PC12503 Silicone Wax

INCI NAME

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

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 |

BENEFITS & 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.

□ 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 |

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| | | | |
|--------------------|--------------------|----|----|
| Dimethyl siloxane | NC | NC | NC |
| Phenyltrimethicone | C | C | C |
| Octadecanol | C | C | C |
| C: -compatible | NC: not compatible | | |

RECOMMEND DOSAGE

Usage: 0.1-20%

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

PACKING

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

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® PC12503 has a shelf life of 24 months at least in a dry and cool place below 25°C.

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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