SiSiB® PC19521

Formulation Aids

INCI: Cyclopentasiloxane (and) Dimethicone (and) PEG/PPG-10/15 Dimethicone (and) Dimethicone/Vinyldimethicone Crosspolymer

Introduction

SiSiB® PC19521 is a kind of silicone gel with slight characteristic odor that contains polyether groups, which not only has the skin feel, but also it can be an emulsifying agent in water-in-silicone oil and water-in-oil systems. This product can enhance the thickness feel for water-in-silicone oil and water-in-oil systems, provides better stability and soft, silky-powdery smoothness, and the semi-gloss effect. In addition, the product can dissolve the non-polar ingredients in the external phase (silicone oil) and the polar ingredients in the inner phase (water) as a dispersant in polar ingredients and non-polar ingredients formulations. It is a good transfer system for both polar and non-polar materials.

Advantages

- ☐ Cyclomethicone and Dimethicone and Crosspolymer of polyether and polysiloxane
- ☐ Excellent W/Si and W/O emulsibility
- ☐ Acts as a thickening agent in W/Si and W/O systems
- ☐ Provides velvet skin feel for the products

Typical Physical Properties

Appearance	Milky-white to light yellow translucent gel
Penetration degree (1/10mm)	300-500

Applications

SiSiB® PC19521 could be used in a wide range of personal care applications, includes:

Color cosmetics (such as W/O formulation)
Skin care (such as foundation, eye shadow and so on)
Sun care

- ☐ How to use:

Thoroughly stir the product into oil phase.

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Add water phase to oil phase emulsion slowly.

Speed up the stirring rate to enhance stability of W/O emulsion system, increase proportion of water phase to enhance stickiness.

Added electrolytes, preferably NaCl at a level of 0.5% to 2% in water phase to enhance storage stability of the emulsion system.

The emulsion can be emulsified at ambient temperature if the formulation was free from solid ingredients.

☐ Recommend Dosage:

The recommended usage level of this product is 3%-10% according to the total amount of the formulation. It is also recommended to carry out preliminary tests to determine the optimum quantity for particular application.

Packing and Storage

SiSiB® PC19521 is supplied in 20Kg plastic pail or 200Kg steel drum.

In the original unopened packaging, SiSiB® PC19521 has a shelf life of 12 months in a dry and cool place at room temperature.

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.

We specifically disclaim any other express or implied warranty of fitness for a particular purpose or merchantability. We disclaim liability for any incidental or consequential damages.

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

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