

SiSiB® PC16335 Silicone Elastomer Gel

INCI NAME

Dimethicone (and) Dimethicone/Vinyldimethicone Crosspolymer

INTRODUCTION

SiSiB® PC16335 is a non-volatile silicone elastomer gel based on Dimethicone and Dimethicone/Vinyl Dimethicone Crosspolymer. It provides a silky, conditioned skin feel while helping reduce tackiness in cosmetic formulations.

SiSiB® PC16335 can be used as a sensory modifier and rheology enhancer in a wide range of personal care formulations. It is suitable for both cold-process and heat-process systems.

ADVANTAGES

- Non-volatile silicone elastomer gel
- Thickening effect in W/O and W/Si emulsions
- Silky and smooth skin feel
- Light, non-greasy after-feel
- Helps reduce tackiness
- Quick absorption
- Slight sebum absorption
- Suitable for heat-process formulations

PHYSICAL PROPERTIES

Appearance	Slightly translucent gel
Non-volatile content (w/w, %):	Min.50
Viscosity (cP, 25°C):	300,000-750,000

These values are typical and are not intended for use as specifications.

BENEFITS & APPLICATIONS

SiSiB® PC16335 can be used in skin care, hair care, sun care and color cosmetics.

SiSiB® PC16335 is suitable for skin care, sun care, color cosmetics, hair care, and styling products. It may be used in water-in-oil emulsions, water-in-silicone emulsions, oil-in-water emulsions, and anhydrous formulations to improve texture and sensory performance.

Typical applications include foundations, BB creams, lip products, skin care creams, sun care products, and other personal care formulations.

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USAGE GUIDELINES

SiSiB® PC16335 can be dispersed directly into the oil phase using simple mixing. In emulsion systems, it may be added to the oil phase or silicone phase before emulsification.

SiSiB® PC16335 may also be post-added to emulsions provided the system viscosity is sufficient to maintain uniform dispersion. For easier handling, viscosity may be adjusted by blending with dimethicone or cyclomethicone.

The gel structure may become thicker during storage. This is a normal characteristic and the original consistency can be restored by gentle stirring.

The recommended dosage is 1-20% based on total formulation. It is recommended to conduct a preliminary test to determine the optimal dosage.

PACKING

SiSiB® PC16335 is available in 20Kg plastic pails or 200Kg steel 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

Store in the original unopened container between 10°C and 40°C. Under these conditions, SiSiB® PC16335 has a shelf life of 24 months from the date of production.

LIMITATIONS

This product is neither tested nor represented as suitable for medical or pharmaceutical uses.

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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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