

## SiSiB® PC16272 Silicone Elastomer Gels

**INCI NAME** Dimethicone (and) Dimethicone / Vinyl Dimethicone Crosspolymer

**INTRODUCTION** SiSiB® PC16272 is a silicone gel composed of a crosslinked polydimethylsiloxane/vinyl polydimethylsiloxane polymer network swollen with low-viscosity polydimethylsiloxane. It provides a long-lasting moisturizing effect and a silky, smooth skin feel. Due to its low volatility, it is suitable for both cold and hot blending processes, making it highly versatile for personal care formulations.

- ADVANTAGES**
- Excellent silky, smooth, and non-greasy skin feel
  - Outstanding spreading performance
  - Long-lasting moisturization
  - As a thickening agent in water-in-oil (W/O) systems
  - Compatible with both hot and cold processing

**PHYSICAL PROPERTIES**

Color	Colorless or yellowish,
Appearance	Transparent to translucence gel
Non-volatile (% , w/w)	Min.75
Viscosity (25°C, cP)	250,000-580,000

**BENEFITS & APPLICATIONS**

SiSiB® PC16272 is suitable for a wide range of personal care applications, including skin care products, sun care products, hair care products, color cosmetics, perfumes, and antiperspirants.

It can be incorporated directly into the hot oil phase during the preparation of emulsions or creams. Homogenization is recommended to achieve uniform dispersion. Alternatively, SiSiB® PC16272 can be added directly into emulsified systems to facilitate even distribution.

SiSiB® PC16272 may exhibit increased viscosity or slight lumping after prolonged storage. This is a normal characteristic of the product and does not affect its performance. Gentle stirring will restore it to a uniform consistency.

**RECOMMENDED DOSAGE**

Skincare	1 - 30%
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Hair care	0.5 - 5.0%
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It is recommended to conduct a preliminary test to determine the optimal dosage.

### PACKING

SiSiB® PC16272 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

When stored at temperatures between 10°C and 35°C in the original unopened containers, SiSiB® PC16272 has a shelf life of 12 months from the date of production.

### 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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