

SiSiB® PC19418 Silicone Gum Blends

INCI NAME Dimethicone (and) Cyclopentasiloxane

INTRODUCTION SiSiB® PC19418 is a blend of high molecular weight polydimethylsiloxane (dimethicone) dispersed in cyclopentasiloxane and low-viscosity dimethicone. This colorless, odorless, and non-toxic fluid has excellent compatibility with skin and hair, forming a soft, breathable silicone film with luxurious sensory attributes. Its volatile carrier allows for rapid spreadability and a non-greasy, silky after-feel, ideal for premium hair care and personal care formulations.

- ADVANTAGES**
- Silky, velvety skin and hair feel
 - Excellent spreadability with non-greasy touch
 - Long-lasting conditioning effect
 - Enhances gloss, softness, and smoothness
 - Reduces rub-off and improves water resistance
 - Excellent hydrophobicity

PHYSICAL PROPERTIES

Appearance	Colorless clear liquid
Viscosity (25°C)	3,500-5,500
Specific gravity (25°C)	0.945-0.965
Refractive index (25°C)	1.3900-1.4050

- APPLICATIONS**
- Hair conditioners and oils
 - Leave-in treatments and serums
 - Styling aids and glossing sprays
 - Skin care creams, sunscreens, and makeup

USAGE GUIDELINES Due to its volatility, SiSiB® PC19418 should be processed at room temperature or below 50 °C. After the oily phase has melted, reduce the temperature to approximately 50 °C before slowly incorporating the product with thorough stirring. Add the remaining ingredients only after full dispersion is achieved.

SiSiB® PC19418 is highly compatible with oil-phase cosmetic materials such as pigments, emollients, and fragrances. To facilitate handling, it may be diluted with volatile silicones to reduce viscosity.

SiSiB® PC19418 Silicone Gum Blends

Once the viscosity is adjusted with volatile cyclomethicones, the product can be applied directly to hair. It delivers excellent conditioning benefits, helping to retain moisture while leaving dry and damaged hair noticeably smoother, shinier, and more manageable.

RECOMMENDED DOSAGE

The recommended usage level of the product is 3%-8% in hair care products, 40%-50% in hair care oil produces.

PACKING

SiSiB® PC19418 is available in 50Kg plastic drum, or 195Kg steel 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

When stored at temperatures between 10°C and 35°C in the original unopened containers, SiSiB® PC19418 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.

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.

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.