

## SiSiB® PC19427 Functional Silicone Fluid

**INCI NAME** Dimethicone (and) Dimethiconol

**INTRODUCTION** SiSiB® PC19427 is a non-volatile blend of high molecular weight dimethicone and dimethiconol. It forms a soft, uniform silicone film with excellent affinity to skin and hair. It delivers a silky, non-greasy, and long-lasting conditioning effect. It enhances product gloss and sensory feel while helping to improve the retention of other active ingredients on the skin.

- FEATURES & BENEFITS**
- Provides a long-lasting silky and moisturized skin feel
  - Reduces friction, leaving the skin smooth and water-resistant
  - Soft and non-greasy, does not clog pores
  - Enhances product gloss and luxurious texture
  - Improves the retention of active ingredients on the skin
  - In hair care, delivers a silky, smooth, and glossy finish

**PHYSICAL PROPERTIES**

|                         |                             |
|-------------------------|-----------------------------|
| Appearance              | Colorless transparent fluid |
| Refractive index (25°C) | 1.3950-1.4050               |
| Specific gravity (25°C) | 0.920-0.965                 |
| Viscosity (cP, 25°C)    | 3,000-5,000                 |

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

**APPLICATIONS**

SiSiB® PC19427 is widely used in a variety of personal care formulations, particularly in skin care creams, emulsions, and leave-on treatments where a soft, silky, and moisturized sensory effect is desired. It forms a breathable silicone film that enhances gloss, improves spreadability, and supports the long-lasting performance of active ingredients on the skin. It is especially effective in formulations such as water-drop creams and moisturizing serums.

In hair care products, SiSiB® PC19427 functions as a high-performance conditioning and gloss-enhancing agent. It can be incorporated into conditioners, hair masks, hair oils, and serum-type products to improve smoothness, reduce frizz, and enhance shine. It is ideal for use in both rinse-off and leave-on applications, especially in premium formulations targeting softness and manageability.

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### USAGE GUIDELINES

Compatible with oil-based cosmetic materials (e.g., esters, fragrances)  
Recommended to dilute with cyclomethicone or volatile silicone  
Add during the final phase below 50 °C due to slight volatility

#### Recommended dosage:

|                 |        |
|-----------------|--------|
| Skin care:      | 5-8%   |
| Hair care:      | 3-6%   |
| Hair serum/oil: | 40-50% |

### PACKING

SiSiB® PC19427 is available in 25Kg plastic pail or 195Kg iron 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

SiSiB® PC19427 should be stored in tightly sealed container in a cool, dry, and well-ventilated area. When stored in original package under appropriate conditions at ambient temperature, it maintains 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.

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