

# SiSiB® Next Generation D5 Alternatives

## Ultra-Light, Fast Evaporating Silicone Solutions



Growing global regulatory pressure on cyclic silicones (especially D4/D5/D6), combined with the demand for lighter sensory profiles and cleaner label formulations, has accelerated the need for next generation volatile silicone replacements. Restrictions in Europe, increasing environmental scrutiny, and brand level sustainability commitments require manufacturers to transition toward safer, faster evaporating, and more formulation friendly alternatives.

SiSiB® SILICONES has therefore developed a complete portfolio of high performance, D5 free volatile silicones that deliver equal or superior sensory experience, excellent compatibility, and global market compliance.

Product	INCI	Key Features
SiSiB® PC12010	Dimethicone Low viscosity Volatile Dimethicone Available Grades: PC12010-1.5 (1.5 cSt) PC12010-2 (2 cSt) PC12010-3 (3 cSt) PC12010-5 (5 cSt)	<ul style="list-style-type: none"><li>Fast evaporation &amp; lightweight sensory profile</li><li>Excellent spreadability &amp; powder-wetting</li><li>Ideal volatile base fluid for D5-free systems</li></ul>
SiSiB® PC19781	Isododecane (and) Isohexadecane (and) Dimethicone	<ul style="list-style-type: none"><li>Fast-drying, fresh skin feel</li><li>Strong solvent power for pigments/resins</li><li>Enhances long-wear performance</li></ul>
SiSiB® PC19692	Caprylyl Methicone	<ul style="list-style-type: none"><li>Ultra-light sensory profile</li><li>Excellent spreadability &amp; dry-touch finish</li><li>High powder compatibility</li></ul>
SiSiB® PC12842	Cetyl Dimethicone	<ul style="list-style-type: none"><li>Smooth, velvety after-feel</li><li>Adds richness &amp; structure to emulsions</li><li>Long-lasting softness</li></ul>

### About SiSiB SILICONES - Over 30 Years of Silicone Expertise

For more than three decades, SiSiB® has been dedicated to the research, development and manufacturing of specialty silanes, silicone fluids, elastomers and performance additives. With fully integrated upstream and downstream production, advanced R&D capabilities, and global technical service teams, SiSiB® delivers reliable quality, customized formulations, and comprehensive application support for customers worldwide. Whether you need D5 alternatives, formulation optimization, or tailor made silicone solutions, SiSiB® is ready to support your product innovation and market success.

# SiSiB® Comprehensive Solutions for Personal Care

SiSiB® offers an extensive and continually evolving portfolio of high-performance silicone materials designed to elevate modern personal care formulations. With decades of expertise and fully integrated manufacturing, our products deliver exceptional sensory benefits, stability, and formulation flexibility.

## DIMETHICONE FLUIDS

(0.65-1,000,000 cSt; Volatile to Non-volatile)

A wide viscosity range for use in everything from sprays and serums to rich creams. Provides outstanding lubricity, emolliency, smoothness, and compatibility.

## VOLATILE SILICONE FLUIDS

Fast-evaporating, user-friendly carriers that create an ultra-light sensory profile, improve spreadability, and support quick-dry performance—ideal for skincare, suncare, and makeup.

## PHENYL-MODIFIED SILICONES

High-refractive-index silicones delivering brilliant shine, gloss, color intensity, and luxurious optical effects for lip products, haircare, and color cosmetics.

## POLYMER / FLUID BLENDS

Breathable, non-occlusive protective barrier systems capable of forming durable films—excellent for long-wear foundations, BB/CC creams, and skin protection products.

## SILICONE EMULSIONS

Highly efficient conditioning agents offering

softness, smoothness, enhanced spreadability, and excellent performance in both haircare and skincare.

## SILICONE RESIN FILM FORMERS

Volatile and non-volatile systems providing long-lasting durability, water resistance, transfer resistance, and superior wear for makeup and suncare.

## GUM BLENDS

Silicone gum blends in various carriers (volatile, non-volatile, and non-silicone) designed to improve slip, cushion, substantivity, and overall sensory richness.

## SPECIALTY SILICONES

Amino silicones, alkyl-modified silicones, and functional silicones offering targeted enhancements—conditioning, hydrophobicity, shine, softness, and texture modulation.

## SILICONE EMULSIFIERS

A full toolbox of W/Si, Si/W, and oil-in-silicone emulsifiers enabling stable, elegant, high-end textures with superior sensory refinement.

## SILICONE ELASTOMER GELS

Soft-focus, velvety sensory materials with versatile rheology options—perfect for primers, foundations, matte formulas, and premium skincare.

### Silicone Elastomer Powders

Lightweight powders providing blurring effects, silky finish, sebum control, and enhanced sensory performance.