

NANJING SiSiB SILICONES CO., LTD.
Guanghua Science & Technology Industrial Zone,
No. 104 Guanghua Road, Nanjing 210007, China
Phone: +86-25-5859-9930, 9931, 9932
Email: inquiry@sinopcc.com
www.sinosil.com

SiSiB SILICONES



SINOPCC GROUP

**HIGH PERFORMANCE
SILICONE SPECIALTIES
FOR
PERSONAL CARE SOLUTIONS**

HIGH PERFORMANCE SILICONES FOR PERSONAL CARE SOLUTION

WE ARE AROUND THE WORLD

SiSiB SILICONES, established in 1989, is a leading player in the silicone industry, specializing in the research, development, and manufacturing of silanes and silicones. Situated strategically within the silicone supply chain, SiSiB SILICONES offers a comprehensive range of high-performance products and solutions tailored to meet customer requirements. These encompass silanes and siloxanes, silicone fluids, silicone rubbers, fumed silicas, silicone polymers, and additives.

To ensure the quality and availability expected by customers, SiSiB follows a strategy of backward integration. By 2015, we achieved complete integration across the silicon value chain, covering silicone monomers to downstream applications. Presently, SiSiB operates one upstream silicone production base and six downstream silicone production bases in China. We are also on track to launch two new production bases by 2022, all of which are equipped with precise monitoring systems, operate state-of-the-art equipment, and undergo continuous upgrades. With a workforce of 1,350 employees, including over 100 senior engineers, SiSiB is dedicated to upholding high-quality standards.

We deliver the highest quality products promptly to meet evolving customer needs, leveraging our expertise and resources to achieve economies of scale, increased efficiency, and throughput. Moreover, should your requirements surpass our current capacity or capabilities, we are prepared to invest in enhancing or expanding facilities, equipment, or processes.

We are dedicated to enhancing our manufacturing processes not only for operational efficiency but also for the sustainability and safety of our operations and the environment. Our plants, featuring fully integrated by-product recovery and recycling systems, aim to achieve zero by-product or waste generation through a balanced plant concept.

Sustainable growth is achieved through reduced energy consumption and the development of new and innovative technologies for both new and existing products. Our ISO-9001 certification underscores our adherence to international quality standards and commitment to continuous improvement.

DECADES OF MANUFACTURING EXCELLENCE

With over 30 years of experience in silane and silicone manufacturing, we have developed robust capabilities in meeting diverse production needs, from small-scale to large-scale operations.

CUSTOMER-CENTRIC FOCUS

At SiSiB SILICONES, we prioritize our customers' needs by constantly innovating and offering comprehensive raw material solutions. From initial product evaluation and testing to full-scale production and timely delivery, we provide unwavering support and formulation assistance every step of the way.

INNOVATION AND TECHNOLOGICAL EXPERTISE

Innovation drives SiSiB SILICONES, fueled by our commitment to sustainability and backed by our expertise in science, advanced technology, global market reach, and regulatory compliance. We continuously push boundaries to deliver cutting-edge solutions.

SUSTAINABLE AND RELIABLE SUPPLY

We excel in swift developing and scaling up processes, ensuring smooth transitions from concept to execution. Our dedication to sustainability extends to our supply chains, where we leverage proprietary technology, economies of scale, and backward integration to ensure a sustainable and dependable supply for our customers' needs.

WHY SELECT SiSiB SILICONES?

SiSiB SILICONES FOR PERSONAL CARE



Silicones have a long history as a functional ingredient in personal care products. SiSiB provides a wide range of cost-effective ingredients in the field of personal care, including hair care, body care, sunscreen products and color cosmetics.

In hair care products (shampoos and conditioners, shine sprays and frizz serums, etc.), silicones can provide superior conditioning, increase shine, improve heat and color protection, control hair frizz, improve combing, and create a lasting soft feel.

In skin care products (creams, lotions, etc.), silicones can improve moisturization and radiance, enhance soft and refreshed skin feeling. Silicones can improve the spreading ability and water resistance of the skin formulation.

In sunscreen products (skin creams, lotions, foundations with SPF, etc.), silicones can reduce the tackiness of organic sunscreens, increase the SPF value and increase the water repellency.

In color cosmetics (lipsticks and lip colors, foundations, eye shadows, primers, powder, etc.), silicones improve color intensity and uniformity, non-transferability, and luminosity. Moreover, silicones enhance the durability of the formulation, as well as water resistance.

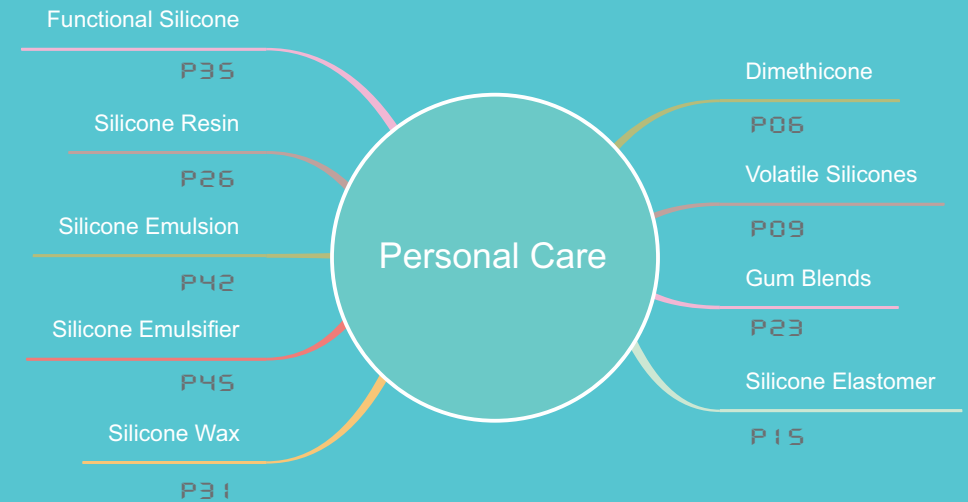
In APDEO products (gels, sticks, roll-ons, and aerosols for antiperspirants and deodorants), silicones reduce the whiteness and the tack of antiperspirant salts, improve skin feel, and provide easy gliding.

SiSiB offers wide range of high performance and standard silicone products include:

- Dimethicone fluids, with viscosity from 2cst to 500,000 cst, volatile to non-volatile: Outstanding emolliency and lubricity
- Volatile Fluids: User friendly solvent
- Phenyl modified silicones: Super bright gloss
- Polymer/Cyclic-Fluid Blends: Non-occlusive protective barrier coats
- Silicone Emulsions: Conditioning agents
- Silicone resin film formers in volatile and nonvolatile carriers: Protective films with long lasting effect
- Gum blends with volatile or non-volatile silicone and non-silicone carriers
- Specialty silicones: amine modified silicones, alkyl functional silicones
- Silicone emulsifiers: water in silicone emulsifier, water in silicone and oil emulsifier, etc.
- Silicone elastomer gels in a range of carrier fluids, volatile to nonvolatile, silicone to a naturally derived organic carrier
- Silicone elastomer powder

Silicones within personal care offer:

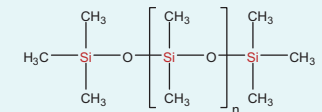
- Outstanding sensory features: soft, smooth touch and silky feel
- Shine and gloss maximization
- Enhancement of aesthetic effects, matte finish
- Smooth and easy application with improved spreading ability
- Non greasy lubrication, compatibility and anti-static effect
- Long lasting protection of hair, skin and colors
- Superior formulation aid: compatibility, material carrier for active ingredients.



DIMETHICONE

SiSIB® Dimethicone is a non-reactive polydimethylsiloxane, which is one of the most widely used ingredients in cosmetics and personal care products. Dimethicone is commonly used as a defoamer, skin protectant, skin conditioner and hair conditioner.

SiSIB® Dimethicone is hydrophobic, when it is used in hair care products, it can improve the spreading of active substances, even at high molecular weights due to the low surface tension.



SiSIB® Dimethicone can prevent moisture loss by forming a barrier on the skin. Like most silicone materials, Dimethicone has a unique fluidity, making it easy to spread, and when applied to the skin, it can provide a smooth and silky feel. It can also help fill in fine lines/wrinkles on the face, giving it a temporary perfect appearance.

The viscosity range of SiSIB low viscosity Dimethicone is 5cSt, 10cSt and 20cSt. Due to their high spreadability, low surface tension and subtle skin lubricity, they are mainly used as ingredients in many personal care products. These liquids are clear, tasteless, odorless and provide a non-greasy feel. They are widely used in various skin creams, skin lotions, sunscreens, bath oils and hair care products.

SiSIB produces a variety of high-quality dimethicone to meet the various needs of the personal care industry. SiSIB standard viscosity dimethicone are available in viscosities ranging from 50cSt to 1,000cSt. High viscosity and super-high viscosity dimethicone are made to order. SiSIB also offered in EU compliant grades (D4, D4, D6 < 0.1%).

DIMETHICONE

SISIB SILICONES	INCI NAME	Viscosity 25°C cSt	Density 25°C	Refractive Index 25°C	Pour Point °C	Flash Point °C	Shampoo	Conditioner	Styling	Wet / Dry combing	Softness	Shine	Heat & Color protection	Skin Care	Sun Care	Antiperspirant / Deodorant	Softness / Silkiness	Anti-whitening	Enhance Spreading	Reduce Tackiness	Water Resistance	Emulsion products	Sticks / Anhydrous products	Powder products	Softness	Pigment dispersant	Transfer resistance
SISIB® PC12010-1	TRISILOXANE	1	0.818	1.382	-100	37	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
SISIB® PC12010-1.5	DIMETHICONE	1.5	0.852	1.387	< -90	64	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
SISIB® PC12010-2	DIMETHICONE	2	0.873	1.391	< -120	88	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
SISIB® PC12010-5	DIMETHICONE	5	0.915	1.396	< -110	102	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
SISIB® PC12010-10	DIMETHICONE	10	0.935	1.399	< -100	> 160	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
SISIB® PC12010-20	DIMETHICONE	20	0.950	1.400	< -60	> 260	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
SISIB® PC12010-50	DIMETHICONE	50	0.960	1.402	< -50	> 310	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
SISIB® PC12010-100	DIMETHICONE	100	0.965	1.403	< -50	> 315	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
SISIB® PC12010-200	DIMETHICONE	200	0.970	1.403	< -50	> 315	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
SISIB® PC12010-350	DIMETHICONE	350	0.970	1.403	< -50	> 315	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
SISIB® PC12010-500	DIMETHICONE	500	0.970	1.403	< -50	> 315	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
SISIB® PC12010-1000	DIMETHICONE	1,000	0.970	1.403	< -50	> 315	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
SISIB® PC12010-5000	DIMETHICONE	5,000	0.975	1.403	< -50	> 315	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
SISIB® PC12010-10 000	DIMETHICONE	10,000	0.975	1.403	< -50	> 315	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
SISIB® PC12010-12 500	DIMETHICONE	12,500	0.975	1.403	< -50	> 315	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
SISIB® PC12010-30 000	DIMETHICONE	30,000	0.976	1.403	< -50	> 315	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
SISIB® PC12010-60 000	DIMETHICONE	60,000	0.976	1.403	< -50	> 315	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
SISIB® PC12010-100 000	DIMETHICONE	100,000	0.977	1.403	< -50	> 315	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
SISIB® PC12010-300 000	DIMETHICONE	300,000	0.977	1.403	< -50	> 315	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
SISIB® PC12010-500 000	DIMETHICONE	500,000	0.978	1.403	< -50	> 315	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
SISIB® PC12010-1M	DIMETHICONE	1,000,000	0.978	1.403	< -50	> 315	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•



VOLATILE SILICONES

SiSiB® volatile silicone fluids can impart smooth spreading and ease of application in lotions and creams and can help to improve spreadability without leaving an undesirable greasy or fatty feeling. They are used as base fluids in a number of personal care products with excellent spreading and unique volatility characteristics. These fluids are clear, tasteless, odorless and provide a non-greasy feel.

SiSiB® volatile silicone fluids exhibit excellent low temperature serviceability (pour points as low as -86°C). In addition, they provide excellent lubricity and have viscosities comparable to water.

SiSiB® volatile silicone oils mainly include cyclosiloxane silicone oils and linear silicone oils with a viscosity of less than 5 cst. Cyclomethicone refers to a series of cyclic silicone compounds. Compared with water and ethanol, cyclopentasiloxane requires less energy to evaporate. Cyclomethicone with low heat of vaporization and low viscosity imparts a transient, non greasy and non-cooling effect on skin.

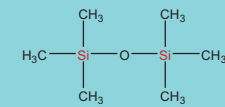
SiSiB® Cyclomethicone can be used as a volatile carrier and is compatible with a variety of cosmetic ingredients. Cyclomethicone can be used alone or mixed with other cosmetic liquids to provide a liquid base for various cosmetic ingredients. It has good solubility in most anhydrous alcohols and many cosmetic solvents.

SiSiB® volatile silicone fluids have been widely used in antiperspirants, deodorants, hair sprays, cleansing creams, skin creams, lotions and stick products, bath oils, sunscreens, shaving products and makeup products. Due to its volatility, cyclomethicone must be added to formulations with temperatures below 60°C.

VOLATILE SILICONES

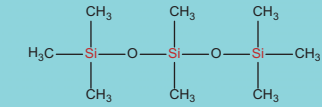
SiSiB® PC12010-0.65 Disiloxane

Hexamethyldisiloxane, CAS 107-46-0



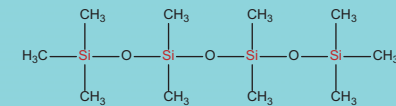
SiSiB® PC12010-1 Trisiloxane

Octamethyltrisiloxane, CAS 107-51-7



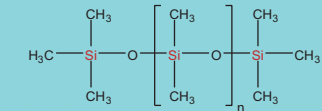
SiSiB® PC12010-1.5 Dimethicone

Decamethyltetrasiloxane [CAS 141-62-8]



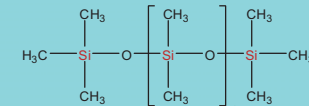
SiSiB® PC12010-2 / PC12010-3 Dimethicone

CAS 63148-62-9



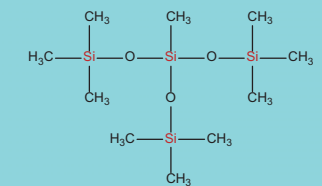
SiSiB® PC12010 (5.0~500000cSt) Dimethicone

CAS 63148-62-9

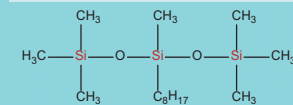


SiSiB® PC19686 (Methyl Trimethicone)

Methyltris(trimethylsiloxy)silane, CAS 17928-28-8

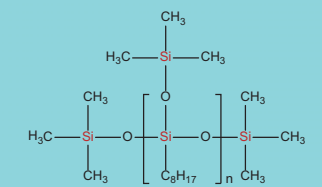


SiSiB® PC19695 Caprylyl Methicone



SiSiB® PC19696 Caprylyl Trimethicone

CAS 187593-69-7





VOLATILE SILICONES

SISIB SILICONES	INCI NAME	Appearance	Viscosity cSt	Density	Boiling Point °C	Volatile %, 150°C, 3hr	Refractive Index	Hair Care	Skin Care	Color Cosmetic	Benefits
SISIB® PC19695	Caprylyl Methicone	Colorless clear liquid	2.6	0.83	>200	>50	1.413	•	•	•	Excellent compatibility with organic solvents, excellent conditioning, no irritation to the skin, dry and non-greasy feeling
SISIB® PC19696	Caprylyl Trimethicone	Colorless clear liquid	3.3	0.85	>200	>50	1.410	•	•	•	Excellent spreadability, excellent slip, good oil and ester compatibility
SISIB® PC19746	Cyclohexasiloxane	Colorless clear liquid	7.0	0.96	245	100	1.399	•	•	•	Good moisturizing and conditioning ability, environment-friendly, slow volatile speed, long-lasting effect
SISIB® PC19706	Cyclopentasiloxane	Colorless clear liquid	4.0	0.95	215	100	1.397	•	•	•	Low viscosity, mild volatility, Enhanced spreading, non-greasy, good moisturizing and conditioning ability
SISIB® PC19736	Cyclopentasiloxane (and) Cyclohexasiloxane	Colorless clear liquid	4.5	0.96	215	100	1.398	•	•	•	Non-greasy, good moisturizing and conditioning ability
SISIB® PC12010-1.5	Dimethicone	Colorless clear liquid	1.5	0.85	190	100	1.387	•	•	•	Good compatibility, good spreadability, non-greasy, smooth and delicate skin feel
SISIB® PC12010-0.65	Disiloxane	Colorless clear liquid	0.65	0.76	101	100	1.375	•	•	•	Good compatibility, no residue or accumulation, efficient removal of facial oil. Very fast evaporation, suitable for foaming formula.
SISIB® PC19697	Lauryl Dimethicone	Colorless clear liquid	5.5	0.84	>200	<50	1.415	•	•	•	Excellent compatibility with organic solvents, excellent conditioning, no irritation to the skin, dry and non-greasy feeling.
SISIB® PC19686	Methyl Trimethicone	Colorless clear liquid	1.5	0.85	190	100	1.387	•	•	•	Excellent spreadability, fast evaporation, good emollient properties, silky and non-sticky feel.
SISIB® PC19658	Phenyl Trimethicone	Colorless clear liquid	4.0	0.920	>200	>50	1.437	•	•	•	Excellent spreadability, high gloss, good compatibility.



CYCLOMETHICONE

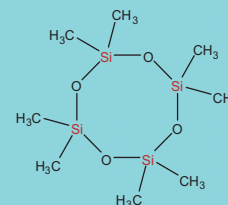
SiSiB® Cyclomethicone can be used as a volatile carrier and is compatible with a variety of cosmetic ingredients. Cyclomethicone can be used alone or mixed with other cosmetic liquids to provide a liquid base for various cosmetic ingredients. It has good solubility in most anhydrous alcohols and many cosmetic solvents.

PRODUCT	DESCRIPTION	INCI NAME
SiSiB® PC19700	Cyclotetrasiloxane (D4)	Cyclotetrasiloxane
SiSiB® PC19706	Cyclopentasiloxane (D5)	Cyclopentasiloxane
SiSiB® PC19716	Cyclosiloxane Blend (D4/D5)	Cyclomethicone / Cyclotetrasiloxane (and) Cyclopentasiloxane
SiSiB® PC19736	Cyclosiloxane Blend (D5/D6: 75/25)	Cyclomethicone / Cyclopentasiloxane (and) Cyclohexasiloxane
SiSiB® PC19738	Cyclosiloxane Blend (D5/D6: 65/35)	Cyclomethicone / Cyclopentasiloxane (and) Cyclohexasiloxane
SiSiB® PC19746	Cyclohexasiloxane (D6)	Cyclohexasiloxane

CYCLOMETHICONE

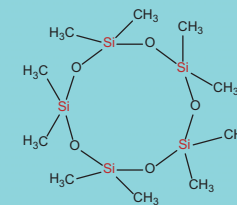
SiSiB® PC19700 [CAS 556-67-2]

Octamethylcyclotetrasiloxane(D4)



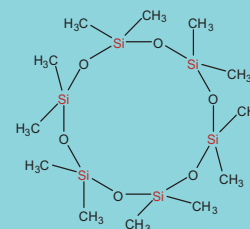
SiSiB® PC19706 [CAS 541-02-6]

Decamethylcyclopentasiloxane (D5)

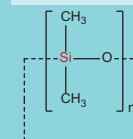


SiSiB® PC19746 [CAS 540-97-6]

Dodecamethylcyclohexasiloxane (D6)



SiSiB® PC19716, PC19736, PC19738





SILICONE ELASTOMERS

Dimethicone crosspolymer (also called silicone elastomers) are commonly used to modify the rheology and sensory properties of personal care formulations. These silicone elastomers are based on cross-linked dimethicone and are usually provided in the form of swollen gels containing various silicones, such as cyclopentasiloxane or dimethicone. Dimethicone crosspolymer not only exists in the form of an elastomer gel composed of a silicone elastomer swelled with a silicone fluid, but also exists in the form of powders, emulsions or surfactants.

Dimethicone crosspolymer may help to improve the appearance of dry skin and flakiness. Dimethicone crosspolymer is occlusive, which means it can protect the skin and prevent moisture loss from the skin surface. The emollient properties of dimethicone can help to soothe the skin and give it a hydrated appearance without leaving the greasy residue left by other hydration components.

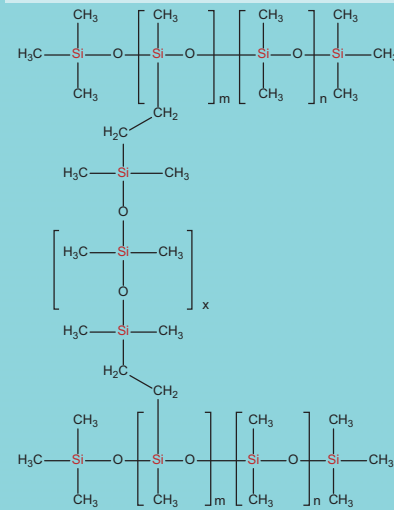
In addition, Dimethicone crosspolymer reduces the tackiness of the formulation. It imparts a dry, non greasy, but silky smooth and exceptionally pleasant skin feel. Dimethicone crosspolymer can also temporarily reduce the appearance of unsightly fine wrinkles, thereby making the skin complexion smoother.

Dimethicone crosspolymer is also an excellent ingredient in hair care products and hair conditioners. It provides controlled conditioning effects and makes unhealthy and damaged hair look smoother and feel silkier.

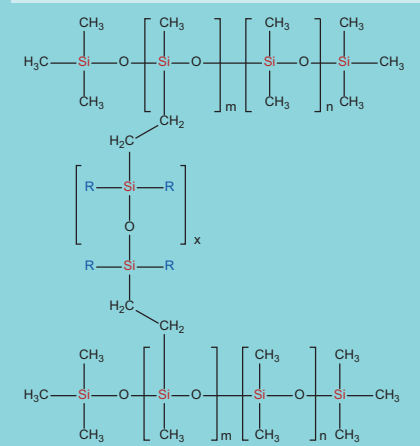
Dimethicone crosspolymer are also used as thickeners in the preparation of water-in-silicone formulations by increasing the viscosity. In addition, Dimethicone crosspolymer can be used as stabilizers due to their natural compatibility with various lipophilic active ingredients, such as fragrances, UV filters, and anti-aging active agents.

SISIB developed innovative sugar-modified & PEG-free silicone elastomer gels SiSIB® PC16468, which is a mixture of high molecular weight Vinyl(dimethicone)/Dimethicone Ethoxy Glucoside Crosspolymer in an environmentally friendly carrier, which is either linear dimethicone or branched caprylyl trimethicone. SiSIB® PC16468 is a transparent gel having self-emulsifying effect due to Glucose, which allows it to be formulated into W/O emulsions, W/Si emulsions, and O/W emulsions to provide dry smoothness and a light silky skin and non-greasy feel. This Sugar-modified PEG free Silicone Crosspolymer has a special structure without any PE safety risk concerns caused by polyether-based emulsifiers.

Dimethicone / Vinyl dimethicone Crosspolymer

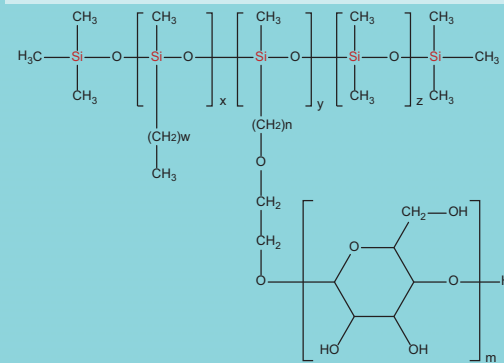


Dimethicone / Vinyl Trimethylsiloxysilicate Crosspolymer



R represents a variable network of polysilicic acid units, which are endblocked with trimethylsilyl groups.

Caprylyl Dimethicone Ethoxy Glucoside (and) Dimethicone Crosspolymer



SILICONE ELASTOMER GEL



SiSiB SILICONES	INCI NAME	Crosspolymer	Appearance	Viscosity mPa.s	Refractive Index	Thickening	Moisturizing	Silky Feel	Hair Care	Skin Care	Color Cosmetic	Benefits
SiSiB® PC16206	C13-16 Isoparaffin (and) Dimethicone / Vinyl Dimethicone Crosspolymer	83% nvm	Colorless transparent gel	600,000	1.427	••	•	•	•	•	•	Carrier 100% natural sugarcane derived, excellent compatibility, offers soft-focus and blurring benefits, improves pigment dispersion, reduces white caste.
SiSiB® PC16207	Caprylyl Methicone (and) Cetearyl Dimethicone / Vinyl Dimethicone Crosspolymer	26%	Colorless transparent gel	150,000	1.412	•	•	••	•	•	•	Carrier is alkyl silicone with good spreadability, velvety smooth, light and skin-fitting with powdery feel, longlasting, cover fine wrinkles, high gloss.
SiSiB® PC16208	Caprylyl Methicone (and) Cyclopentasiloxane (and) Dimethicone Crosspolymer	13% nvm	Colorless transparent gel	350,000	-	••		••	•	•	•	Good skin adhesion, smooth and silky touch, non-greasy feeling, and can cover fine lines on the skin.
SiSiB® PC16209	Caprylyl Methicone (and) Dimethicone Crosspolymer (and) Propylene Glycol (and) Water (and) PEG-7 Glyceryl Cocoate (and) Hexylene Glycol (and) Carbomer	14% nvm	Transparent to translucent gel	500,000	1.420	••	••	••	•	•	•	Water-dispersible silicone elastomer gel that can be used in transparent aqueous emulsion formulations.
SiSiB® PC16332	Cyclopentasiloxane (and) C30-45 Alkyl Cetearyl Dimethicone Crosspolymer	13%	Colorless transparent gel	500,000	1.397	••	•	•	•	•	•	Velvety smoothness and silky feel, non-greasy, thickening, sebum absorption, cold process.
SiSiB® PC16260	Cyclopentasiloxane (and) Dimethicone / Vinyl Dimethicone Crosspolymer	12%	Colorless transparent gel	250,000	1.395	••	□	•	•	•	•	Velvety smooth feel, forming a soft elastic film on the skin.
SiSiB® PC16267	Cyclopentasiloxane (and) Dimethicone / Vinyl Dimethicone Crosspolymer	13%	Colorless transparent gel	250,000	1.395	••	□	•	•	•	•	Velvety and comfortable slippery feel, refreshing and non-greasy.
SiSiB® PC16276	Cyclopentasiloxane (and) Dimethicone Crosspolymer	13%	Colorless transparent gel	200,000	1.395	•	•	••	•	•	•	Enhanced spreading, soft and silky
SiSiB® PC16512	Cyclopentasiloxane (and) Dimethicone Crosspolymer	15%	Colorless transparent gel	250,000	1.395	••	□	•	•	•	•	Form a soft film on skin with silky and smooth feel
SiSiB® PC16271	Cyclopentasiloxane (and) Dimethicone Crosspolymer	16%	Colorless transparent gel	300,000	1.398	••	□	•	•	•	•	Velvety smooth feel, effective thickening of oil phase.
SiSiB® PC16262	Cyclopentasiloxane (and) Dimethicone Crosspolymer	12%	Colorless transparent gel	350,000	1.395	••	□	•	•	•	•	Long-lasting velvety feel, thickened oil phase, slight sebum absorption, cold process.
SiSiB® PC16275	Cyclopentasiloxane (and) Dimethicone Crosspolymer	15%	Colorless transparent gel	350,000	1.395	••	•	•	•	•	•	Prevents agglomeration
SiSiB® PC16278	Cyclopentasiloxane (and) Dimethicone Crosspolymer (and) Trimethylsiloxysilicate	40% nvm	Translucent gel	14,000	-		•	•	•	•	•	Silicone elastomer gel containing trimethylsiloxysilicate, provides smooth, easy film formation, silky and long-lasting feeling.
SiSiB® PC16219	Cyclopentasiloxane (and) PEG-10 Dimethicone Crosspolymer	22% nvm	Translucent to milk white gel	1,000,000	-	••	•	••	•	•	•	Silicone elastomer modified with high molecular weight polyethylene glycol can be dispersed in oil and water phases respectively.
SiSiB® PC16346	Cyclopentasiloxane (and) Dimethicone / Vinyl Dimethicone Crosspolymer (and) Bis-PEG-12 Dimethicone (and) Laureth-9	15%	Colorless transparent gel	200,000	1.403	••	••	•	•	•	•	Water dispersible, cold processing, provides dry smoothness and silky feel.
SiSiB® PC16326	Cyclopentasiloxane (and) Dimethicone Crosspolymer (and) Dimethicone / Vinyl Dimethicone Crosspolymer (and) Dimethiconol	15%	Colorless transparent gel	400,000	1.396	••	•	••	•	•	•	Dry smoothness and silky feel, non-greasy, reduces tackiness of formulations, compatible with organic ingredients.

SILICONE ELASTOMER GEL



SiSiB SILICONES	INCI NAME	Crosspolymer	Appearance	Viscosity mPa.s	Refractive Index	Thickening	Moisturizing	Silky Feel	Hair Care	Skin Care	Color Cosmetic	Benefits
SiSiB® PC16220	Dimethicone (and) Caprylyl Methicone (and) Dimethicone / Vinyl Dimethicone Crosspolymer	57% nvm	Colorless transparent gel	450,000	1.405	**	•	**	•	•	•	Good compatibility with a variety of vegetable oils and mineral oils, good soft feel, good skin adhesion and spreadability, and less agglomeration.
SiSiB® PC16330	Dimethicone (and) Cetearyl Dimethicone Crosspolymer	17%	Colorless transparent gel	100,000	1.398	•	**	**	•	•	•	Provides long-lasting dry smoothness and softness, and silky feel, reduces tackiness of formulations, quick absorption.
SiSiB® PC16270	Dimethicone (and) Dimethicone / Vinyl Dimethicone Crosspolymer	15%	Colorless transparent gel	200,000	1.398	•	**	**	•	•	•	Very high evaporation rate, provides dry smoothness and silky feel, cold process. Low cyclomethicone content.
SiSiB® PC16258	Dimethicone (and) Dimethicone / Vinyl Dimethicone Crosspolymer	50%	Colorless transparent gel	250,000	1.398	**	**	•	•	•	•	Long-lasting silky feel, heat process.
SiSiB® PC16358	Dimethicone (and) Dimethicone / Vinyl Dimethicone Crosspolymer	18%	Colorless transparent gel	250,000	1.398	**	**	•	•	•	•	Low content of cyclomethicone, long-lasting silky feel, heat processing.
SiSiB® PC16272	Dimethicone (and) Dimethicone / Vinyl Dimethicone Crosspolymer	22%	Colorless transparent gel	350,000	1.398	**	**	•	•	•	•	Long-lasting velvety smooth feel, moisturizing, hot mixable, effective thickening of oil phase.
SiSiB® PC16222	Dimethicone (and) Cyclopentasiloxane (and) Dimethicone Crosspolymer	50% nvm	Translucent gel	1,700,000	-	**	•	**	•	•	•	Excellent thickening ability, easy to spread, smooth and silky feeling, no greasy, long-lasting, good concealing ability.
SiSiB® PC16277	Dimethicone (and) Dimethicone Crosspolymer	18%	Colorless transparent gel	200,000	1.398	•	**	**	•	•	•	Enhanced spreading, soft and silky.
SiSiB® PC16273	Dimethicone (and) Dimethicone Crosspolymer	18%	Colorless transparent gel	300,000	1.398	**	**	•	•	•	•	Velvety smooth, refreshing and non-greasy.
SiSiB® PC16257	Dimethicone (and) Dimethicone Crosspolymer	18%	Colorless transparent gel	600,000	1.399	**	•	•	•	•	•	Velvety smoothness, refreshing and non-greasy, reduces the tackiness, oil phase thickening, slight sebum absorption.
SiSiB® PC16333	Dimethicone (and) Dimethicone Crosspolymer	25%	Colorless transparent gel	600,000	1.399	**	•	•	•	•	•	Ultimate matte effect, effectively thickening the oil phase.
SiSiB® PC16327	Dimethicone (and) Dimethicone Crosspolymer (and) Dimethicone / Vinyl Dimethicone Crosspolymer (and) Dimethiconol	20%	Colorless transparent gel	200,000	1.399	•	**	**	•	•	•	Long-lasting silky feel, reduces tackiness of formulations, compatible with organic ingredients.
SiSiB® PC16238	Dimethicone (and) PEG-10 Dimethicone / Vinyl Dimethicone Crosspolymer (and) Polymethylsilsesquioxane	22%	Translucent to milky white gel	150,000	-	•	•	**	•	•	•	Excellent velvety smooth feel, powdery touch, matte effect, soft focus, long lasting, reduces pigment migration, covers fine lines and flaws.
SiSiB® PC16239	Hydrogenated Polyisobutene (and) Dimethicone (and) Cetearyl Dimethicone / Vinyl Dimethicone Crosspolymer (and) Caprylyl Methicone	80% nvm	Translucent gel	700,000	-	**	•	**	•	•	•	Good compatibility, provides smooth and silky feel, improves moisturizing and skin adhesion.
SiSiB® PC16268	Isododecane (and) Dimethicone / Vinyl Dimethicone Crosspolymer	15%	Colorless transparent gel	200,000	1.413	•	□	**	•	•	•	Rapidly forms a matte film, good spreadability, excellent dry and silky feel, and wide compatibility.
SiSiB® PC16269	Methyl Trimethicone (and) Dimethicone / Vinyl Dimethicone Crosspolymer	15%	Colorless transparent gel	200,000	1.388	**	**	**	•	•	•	Excellent volatility, provides light and silky feel.

GLUCOSIDE SILICONE ELASTOMER GEL

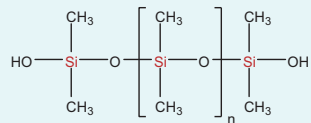
SiSiB SILICONES	INCI NAME	Crosspolymer	Appearance	Viscosity mPa.s	Density	Refractive Index	Emulsifying Ability	Thickening	Moisturizing	Smoothness	Hair Care	Skin Care	Color Cosmetic	Benefits
SiSiB® PC16466	Cyclopentasiloxane (and) Caprylyl Dimethicone Ethoxy Glucoside (and) Dimethicone Crosspolymer	29%	Light yellow translucent liquid	10,000	0.96	1.402	**	•	•	•	•	•	•	Synthesized from renewable natural sugar-based ingredients, self-emulsifying effect, cold processing, dry smoothness and light silky skin feel.
SiSiB® PC16467	Cyclopentasiloxane (and) Caprylyl Dimethicone Ethoxy Glucoside (and) Dimethicone Crosspolymer	20%	Colorless Transparent Paste	90,000	0.96	1.401	•	**	•	**	•	•	•	Synthesized from renewable natural sugar-based ingredients. Excellent W/O performance, moisturizing, dry and velvety smooth feeling, thickening effect.
SiSiB® PC16468	Dimethicone (and) Caprylyl Dimethicone Ethoxy Glucoside (and) Dimethicone Crosspolymer	25%	Colorless Transparent Paste	5,000	0.96	1.413	•	•	**	**	•	•	•	Made from renewable natural sugar-based ingredients. Excellent W/O performance, moisturizing and long-lasting.

SILICONE ELASTOMER SUSPENSION - WATER SOLUBLE

SiSiB SILICONES	INCI NAME	Crosspolymer	Appearance	Viscosity mPa.s	Particle Size µm	Silky Feel	Wrinkle Concealing	Long Lasting	Hair Care	Skin Care	Color Cosmetic	Benefits
SiSiB® PC16355	Dimethicone / Vinyl Dimethicone Crosspolymer (and) C12-13 Pareth-10	55%	Milky white liquid	10,000		**	**	**	•	•	•	Excellent smooth and silky feeling, skin-friendly, long-lasting skin texture, reduces greasiness and covers fine wrinkles.
SiSiB® PC16356	Dimethicone / Vinyl Dimethicone Crosspolymer (and) Cyclopentasiloxane (and) Lauryl PEG / PPG-18 / 18 Methicone	12%	Translucent gel	500,000		**	**	•	•	•	•	Excellent concealing performance, soft, smooth and long-lasting, velvety fresh and smooth, matte effect, reduced stickiness, color fixing.
SiSiB® PC16338	Dimethicone / Vinyl Trimethylsiloxy silicate Crosspolymer (and) Dimethicone (and) isohehexadecane (and) Laureth-3 (and) Laureth-25	60%	Milky white liquid	3,000	4	**	**	**	•	•	•	Water-based non-ionic silicone elastomer suspension, long-lasting wrinkle-concealing effect, silky smooth, powdery and non-greasy skin feel.
SiSiB® PC16340	Dimethicone / Vinyl dimethicone Crosspolymer	65%	Milky white liquid	4,000	5	**	**	•	•	•	•	Silicone elastomer microsphere emulsion, silky smooth and powdery feel, non-greasy skin feel, wrinkle coverage, no preservative system.
SiSiB® PC16336	Dimethicone / Vinyl dimethicone Crosspolymer (and) Laureth-3 (and) Laureth-25	65%	Milky white liquid	4,000	5	**	**	•	•	•	•	Water-based non-ionic silicone elastomer suspension, outstanding wrinkle-concealing effect, silky smooth, powdery skin feel.
SiSiB® PC16339	Dimethicone Crosspolymer (and) Cyclopentasiloxane	30%	Milky white liquid	2,000	3	•	•	**	•	•	•	Water-based silicone elastomer emulsion with a refreshing, smooth, long-lasting feel and matte coverage.

GUM BLENDS - DIMETHICONOL BLENDS

SiSIB produces a variety of high quality gum blends to meet the various needs of the personal care industry. The silicone gum blend for personal care combines volatile silicones with high molecular weight silicone gums for easy formulation and improved compatibility. They have excellent water resistance.



Silicone gum blends are the key ingredients of leave in shining serums and shining sprays. In skin care, they provide long wear of active substances on the skin, wash-off resistance, film forming, and enhance the feel and emollient properties. For hair care, it can prevent split ends, while giving the hair a soft, dry and smooth feeling. They can also be used for their thickening effect in water-and-oil systems.

Silanol compounds were originally called dimethiconols. These compounds carry Si-OH groups. The silanol groups can homopolymerize under many conditions to produce water and a higher molecular weight silanol. Despite the fact that these materials can homopolymerize under certain conditions, they find utilization in a variety of applications, most notably waxes, textiles and personal care applications. High viscosity dimethiconol in cyclomethicone (D5) is used to provide soft feel, spreadability and substantivity, and gloss. Cyclomethicone evaporates readily without a residue. Silanols are more polar than fluids; consequently, they do not build up as much as an equal molecular weight silicone fluid. Silanols are used to protect color on dyed hair by sealing the hair.

High molecular weight silanols in cyclomethicone (D5) provide the following benefits:

- Soft, velvetlike feel
- Long lasting
- Excellent conditioning
- Cyclomethicones evaporate readily without a residue or cooling sensation
- Conditions hair, especially split ends
- Detackifies greasy formulations

SiSIB SILICONES	INCI NAME	Dimethiconol Content	Appearance	Viscosity mPa.s	Density	Refractive Index	Moisturizing	Smoothness	Softness	Hair Care	Skin Care	Color Cosmetic	Benefits
SiSIB® PC19417	Cyclopentasiloxane (and) Cyclotetrasiloxane (and) Dimethiconol	13%	Clear liquid	6,000	0.95	1.397	•	••	•	•	•		Excellent substantivity, imparts soft velvety skin feel, conditions hair, detackifies greasy formulations.
SiSIB® PC19419	Cyclopentasiloxane (and) Dimethiconol	15%	Clear liquid	6,000	0.96	1.397	•	••	•	•	•		Excellent non-sticky and silky smooth feel, can form a soft film, wide applications.
SiSIB® PC19426	Dimethicone (and) Dimethiconol	18%	Clear liquid	2,000	0.94	1.399	••	••	••	•	•		Long-lasting excellent slippery feeling, effectively reducing friction, soft and moisturizing texture.
SiSIB® PC19427	Dimethicone (and) Dimethiconol	15%	Clear liquid	4,000	0.92	1.397	••	••	••	•	•		Longer lasting and moisturizing slippery feeling, effectively reducing friction, soft and moist texture, suitable for a variety of formulations.
SiSIB® PC19603	Dimethicone (and) Dimethiconol	15%	Clear liquid	4,000	0.92	1.399	•	••	•	•	•		Imparts long-lasting lubricious and silky feel, provides water repellent, non-occlusive film and application aesthetics

SILICONE RESINS

Silicone resins are formed by cross-linking various silicone compounds. The resulting materials are either elastomers or resins depending upon the degree of cross-linking. Materials with a low degree of cross-linking provide a drypowdery feel on the skin and absorb sebum. Higher degrees of cross-linking form rubbery films.

Silicone MQ resins consist of tetrafunctional silicones that are endcapped with mono functional silicones. These resins can vary in molecular weight and crosslinking density so that they can vary from liquid pourable resins at low molecular weight to film formers which are provided in solvent at higher molecular weights and crosslink densities.

SiSiB TMS (trimethylsiloxysilicate) can provide excellent film formability, waterproof, antifouling, and lubricity. Trimethylsiloxysilicate is a highly crosslinked silicone resin, mainly used in film forming. In skin care and color cosmetic applications, it helps to provide waterproof functions. In the skin care formulation, it brings long-lasting effects in protective cream, baby cream, sunscreen creams and lotions.

SiSiB® PC11258 is a pure trimethylsiloxysilicate powder form MQ resin. It provides excellent flow ability to prevent agglomeration, maintains free flowing characteristics of loose powder products. It can be compounded with polydimethylsiloxane and cyclosiloxane.

SiSiB® PC11260 is a mixture of trimethylsiloxysilicate and dimethicone. It has a performance similar to the medium and high viscosity silicone oil, but has superior water repellency.

SiSiB® PC11259 is a mixture of trimethylsiloxysilicate and cyclopentasiloxane. After evaporation of cyclopentasiloxane, the high molecular weight resin forms a highly durable film.

SiSiB® PMS resin (Polymethylsilsesquioxane) is a silicone micro resin for use as an additive to improve the performance of plastics, rubbers, paints, etc. In addition to providing the specific characteristics of silicones, such as water repellency and lubricity, SiSiB® PMS resin (Polymethylsilsesquioxane) has a lower specific gravity than conventional inorganic fine powders and also has excellent heat resistance as compared with conventional organic fine powders.

SILICONE RESINS

SiSiB SILICONES	INCI NAME	Resin Content	Appearance	Viscosity mPa.s	Density	Refractive Index	Water Repellence	Film Hardness	Fast Dry	Smoothness	Adhesion	Transfer Resistance	Hair Care	Skin Care	Color Cosmetic	Benefits
SiSiB® PC11256	Acrylates / Tris(trimethylsiloxy)silylpropyl Methacrylate Copolymer (and) Cyclopentasiloxane	20%	Colorless transparent liquid	200	0.97	1.406	**	.	.	**	.	**	.	.	.	Dry smoothness and non-greasy skin feel, anti-migration, anti-washing, glossy, affinity to skin.
SiSiB® PC11259	Cyclopentasiloxane (and) Trimethylsiloxysilicate	50%	Colorless transparent liquid	300	1.05	1.405	**	**	**	**	**	**	.	.	.	Fast dry time due to volatile carrier, good smoothness, long-lasting and resists migration.
SiSiB® PC11260	Dimethicone (and) Trimethylsiloxysilicate	40%	Colorless transparent liquid	500	1.06	1.407	**	**	.	**	**	**	.	.	.	Reduces whitening or soap effect in lotions, good smoothness, long-lasting.
SiSiB® PC11251	Isododecane (and) Acrylates / Tris(trimethylsiloxy)silylpropyl Methacrylate Copolymer	20%	Colorless transparent liquid	30	0.79	1.422	**	.	**	.	.	**	.	.	.	Dry smoothness and non-greasy skin feel, anti-migration, anti-washing, glossy, affinity to skin.
SiSiB® PC11255	Isododecane (and) Acrylates / Tris(trimethylsiloxy)silylpropyl Methacrylate Copolymer	35%	Colorless transparent liquid	2,500	0.83	1.427	**	.	**	.	.	**	.	.	.	Provides excellent anti-migration hydrophobic film with certain thickening effect and excellent skin adhesion.
SiSiB® PC11258	Trimethylsiloxysilicate	100%	White solid powder	-	0.6 **	-	**	**			**	**	.	.	.	Pure MQ resin, excellent film former, good compatibility and water repellency.
SiSiB® PC11262	Trimethylsiloxysilicate	100%	Colorless transparent liquid	1,000	1.00	1.404	**	.		**	.	.	.	.	.	Low molecular weight MQ resin can effectively reduce the hardness of the film, and can improve the adhesion and smooth non-tacky feel.
SiSiB® PC11261	Trimethylsiloxysilicate (and) Isododecane	50%	Colorless transparent liquid	20	0.98	1.417	**	**	**	.	**	**	.	.	.	Excellent film former, fast dry due to volatile carrier, good repellency, resistant to Water/Detergent Wash-off.
SiSiB® PC11263	Trimethylsiloxysilicate (and) Polycaprylsilsesquioxane (and) Isododecane	75%	Colorless transparent liquid	400	0.98	1.424	**	**	**	.	**	**	.	.	.	Fast dry, durable film provides excellent water repellency and resistance to detergent wash off.
SiSiB® PC11264	Trimethylsiloxysilicate (and) Polymethylsilsesquioxane (and) Isododecane	50%	Colorless transparent liquid	100	0.94	1.412	**	**	**	**	**	**	.	.	.	Fast dry, transfer resistant film provides excellent water repellency and resistance to detergent wash off, smooth non-tacky feel.
SiSiB® PC11265	Trimethylsiloxysilicate (and) Polyphenylsilsesquioxane (and) Isododecane	50%	Colorless transparent liquid	10	0.91	1.440	**	**	**	.	**	**	.	.	.	Excellent high-gloss hydrophobic film, fast dry, anti-migration and long-lasting.
SiSiB® PC11266	Trimethylsiloxysilicate (and) Polypropylsilsesquioxane	100%	White solid powder	-	0.6 **	-	**	**			**	**	.	.	.	Compatible with various organic solvents, anti-washing

SILICONE MICROSPHERES AND ELASTOMER POWDER

SiSiB SILICONES		INCI NAME	Appearance	Particle Size μm	Anti-agglomeration	Smoothness	Wrinkle Concealing	Softness	Oil Absorption	Hair Care	Skin Care	Color Cosmetic	Benefits
SiSiB® PC11303	Polymethylsilsesquioxane		White powder	3	•	**	•	•	•		•	•	Excellent lubricity, reduction of powder agglomeration, good spreadability and soft focus effects.
SiSiB® PC11312	Polymethylsilsesquioxane		White powder	2	•	**	•	•	•		•	•	
SiSiB® PC11313	Polymethylsilsesquioxane		White powder	3	•	**	•	•	•		•	•	
SiSiB® PC11315	Polymethylsilsesquioxane		White powder	5	•	**	•	•	•		•	•	
SiSiB® PC11317	Polymethylsilsesquioxane		White powder	7	•	**	•	•	•		•	•	
SiSiB® PC11318	Polymethylsilsesquioxane		White powder	8	•	**	•	•	•		•	•	
SiSiB® PC16315	Dimethicone / Vinyl Dimethicone Crosspolymer		White powder	20		**	**	**	***		•	•	Excellent oil absorption, provides soft focus, matte effect, good concealer, soft and silky feel.
SiSiB® PC16316	Dimethicone / Vinyl Dimethicone Crosspolymer		White powder	20		**	**	**	***		•	•	Thickening modification, enhanced powder texture, concealing, excellent oil-absorption.
SiSiB® PC16317	Dimethicone / Vinyl Dimethicone Crosspolymer (and) Silica	White powder	15		**	**	**	**	**		•	•	Long-lasting soft powdery feel, and better smoothness if use combined with cyclomethicone or low viscosity dimethicone.
SiSiB® PC16318	Dimethicone / Vinyl Dimethicone Crosspolymer (and) Silica	White powder	12		**	**	**	**	**		•	•	Long-lasting smooth feeling, good compatibility, can absorb polar and non-polar oils, thickening, concealing.
SiSiB® PC16001	Vinyl Dimethicone / Methicone Silsesquioxane Crosspolymer	White powder	5	•	**	**	•	•	•		•	•	Spherical silicone elastomer powder coated with silicone resin, providing a unique soft and silky feel, good dispersibility and can prevent agglomeration.
SiSiB® PC16002	Vinyl Dimethicone / Methicone Silsesquioxane Crosspolymer	White powder	3	•	**	**	•	•	•		•	•	
SiSiB® PC16003	Vinyl Dimethicone / Methicone Silsesquioxane Crosspolymer	White powder	5	•	**	**	•	•	•		•	•	
SiSiB® PC16004	Vinyl Dimethicone / Methicone Silsesquioxane Crosspolymer	White powder	9	•	**	**	•	•	•		•	•	
SiSiB® PC16005	Vinyl Dimethicone / Methicone Silsesquioxane Crosspolymer	White powder	10	•	**	**	•	**	**		•	•	
SiSiB® PC16006	Vinyl Dimethicone / Methicone Silsesquioxane Crosspolymer	White powder	12	•	**	**	•	**	**		•	•	
SiSiB® PC16007	Vinyl Dimethicone / Methicone Silsesquioxane Crosspolymer	White powder	25	•	**	**	•	**	**		•	•	
SiSiB® PC16008	Vinyl Dimethicone / Methicone Silsesquioxane Crosspolymer	White powder	12	•	**	**	•	**	**		•	•	
SiSiB® PC16009	Vinyl Dimethicone / Methicone Silsesquioxane Crosspolymer	White powder	6	•	**	**	•	**	**		•	•	
SiSiB® PC16010	Vinyl Dimethicone / Methicone Silsesquioxane Crosspolymer	White powder	8	•	**	**	•	**	**		•	•	
SiSiB® PC16011	Vinyl Dimethicone / Methicone Silsesquioxane Crosspolymer	White powder	8	•	**	**	•	**	**		•	•	
SiSiB® PC16012	Vinyl Dimethicone / Methicone Silsesquioxane Crosspolymer	White powder	10	•	**	**	•	**	**		•	•	
SiSiB® PC16013	Vinyl Dimethicone / Methicone Silsesquioxane Crosspolymer	White powder	10	•	**	**	•	**	**		•	•	
SiSiB® PC16100	Dimethicone / Vinyl Dimethicone Crosspolymer (and) HDI / Trimethylol Hexyllactone Crosspolymer	White powder	5		**	**	•	**	**	•	•	•	Velvety texture, long-lasting silky softness, matte effect, oil absorption, easy emulsification, thickening.



SILICONE WAX

Silicone products have good thickening, lubricating, moisturizing, skin affinity and other properties, and are widely used in the production of cosmetics.

Silicone wax is a polydimethylsiloxane modified with long-chain alkyl groups, usually by incorporating oil soluble alkyl and/or aryl groups. They have both the properties of organic waxes and the typical characteristics of silicones. They can help to provide smooth skin care formulations with improved moisturization and substantivity, with enhanced gloss, emolliency and soft/silky aesthetics.

SiSiB provides silicone wax with different melting points. The higher the molecular weight of the modified polydimethylsiloxane, the more the alkyl group, the higher the melting point, and the higher the hardness of the wax. The aryl group increases the refractive index, thereby increasing the gloss. SiSiB silicone wax combines the properties of organic wax (such as water repellency or providing structure) with the typical properties of silicone (such as wetting ability and good skin affinity).

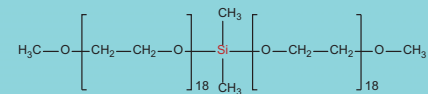
Silicone wax can be used as an oily and waxy ingredient in skin creams and face creams, or indecorative cosmetics to improve the skin feel. In addition, silicone wax also helps to optimize the distribution of pigments and sunscreen additives, and speed up the diffusion of oils and active ingredients. Silicone wax can also be used for leather treatment to provide good long-term protection and excellent water repellency.

SILICONE WAX



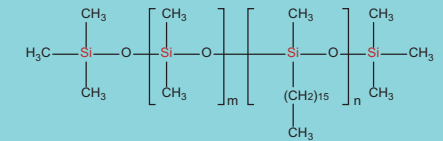
Bis-PEG-18 Methyl Ether Dimethyl Silane

CAS 67846-47-3

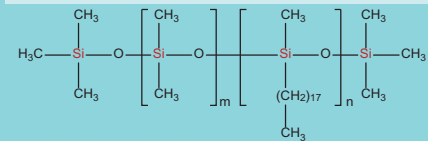


Cetyl Dimethicone

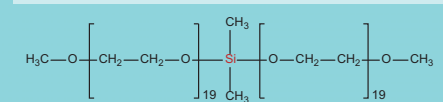
CAS 191044-49-2



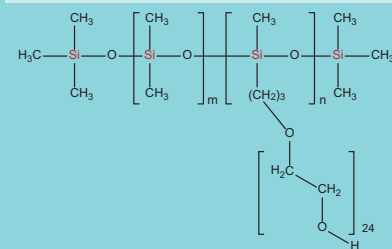
Stearyl Dimethicone



Bis-PEG-19 Methyl Ether Dimethyl Silane

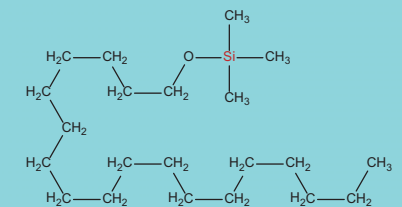


PEG-24 Dimethicone



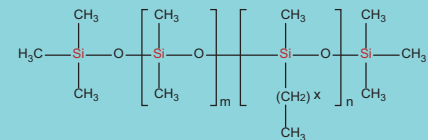
Stearoxytrimethylsilane

CAS 18748-98-6



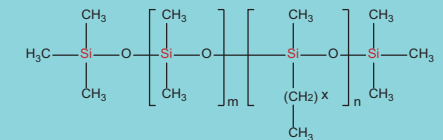
C20-C24 Alkyl Dimethicone

CAS 200074-76-6



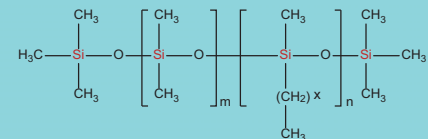
C24-C28 Alkyl Dimethicone

CAS 192230-29-8



C30-C45 Alkyl Dimethicone

CAS 243137-49-7





SILICONE WAX

SISIB SILICONES	INCI NAME	Appearance	Density	Melting Point °C	Moisturizing	Film Hardness	Silky Feel	Adhesion	Transfer Resistance	Hair Care	Skin Care	Color Cosmetic	Benefits
SISIB® PC12501	Bis-PEG-18 Methyl Ether Dimethyl Silane	White to slight yellow solid		33	**	.	**				.		Water dispersible silicone glycol copolymer wax. It has a low melting point. It is easy to formulate into aqueous systems.
SISIB® PC12558	PEG-17 Dimethicone	White paste	1.07	33	**	.	**				.		Water dispersible silicone wax. Texture conditioner and foam booster. Good moisturizing and spreading ability, provides soft, silky and gentle care to the skin. Easy to use in aqueous formulations.
SISIB® PC12691	C20-24 Alkyl Dimethicone (and) C20-24 Olefin	White paste	0.83	33		.	**	.	.	.	.	.	Low melting point, outstanding lubricating and glossing, good compatibility.
SISIB® PC12701	C26-28 Alkyl Dimethicone (and) C26-28 Olefin	White flake solid	0.93	52		**	**	**	**	.	.	.	Outstanding lubricating and glossing performance, good compatibility with kinds of organic cosmetics raw materials
SISIB® PC12711	C30-45 Alkyl Dimethicone (and) C30-45 Olefin	White flake solid	0.94	67		**	.	.	**	.	.	.	Outstanding lubricating and glossing performance, good compatibility with kinds of organic cosmetics raw materials
SISIB® PC12750	C30-45 Alkyldimethylsilyl Polypropylsilsesquioxane	White flake solid	0.95	68		**	.	.	**			.	Improving smooth feel, film-forming ability, and mould-releasing properties. High melting point.
SISIB® PC12681	Cetearyl Methicone	White paste	0.84	34		.	**	.	.	.			Low melting point, a soft waxy material, provides excellent lubricity and spreadability and has good occlusive (TEWL) properties.
SISIB® PC12631	Stearoxy Dimethicone	White flake solid	0.84	47	**	.	**	.			.	.	Enhance gloss and brilliance, moisturization, imparts a non-greasy, soft, velvety feel to the skin, excellent compatibility.
SISIB® PC12503	Stearyl Dimethicone	White flake solid	0.96	52	.	**	**	**	**	.	.	.	Provides a non-sticky, soft skin feel with enhanced water resistance and moisturizing properties.

FUNCTIONAL SILICONES

AMODIMETHICONE

SISIB® Amodimethicone fluids provide deep conditioning. They are usually based on replacing some of the methyl groups on PDMS with primary and secondary amine groups. This amine functional group can be attracted to the negative protein surface of the hair and then cross-linked to form a substantial film.

Because of their larger organic groups, Amodimethicone fluids can be more easily emulsified into a surfactant system, and can be used to prepare transparent shampoos. They can also be used in rinse-off conditioners, semi-permanent and permanent colorants, and leave-in conditioners. In addition to softness, smoothness, reduced fly-away and faster drying time, Amodimethicone can also be formulated to provide color protection for dyed hair, and provide thermal protection to prevent excessive heat from hair dryers, curlers and other styling devices.

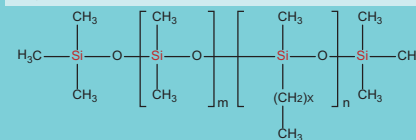
PHENYL FUNCTIONAL SILICONES

SISIB® PC19826 Phenyl trimethicone is based on linear PDMS with phenyl groups. It has a higher refractive index, which is often used in styling products to increase the apparent gloss of the hair. Phenyltrimethicone increases softness with less residue, and has higher compatibility with organic ingredients, making it easy for formulation.

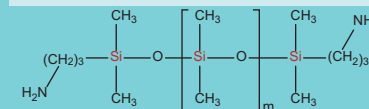
AMINO PHENYL SILICONE

SISIB®PC11576 amino phenyl silicone resin can be used as an ideal additive for shampoo, hair conditioner, ointment, perm agent and other personal care products. The amino groups become very stable, resulting in good performance in anti-yellowing, hair absorption, and emulsification due to branch structure. Phenyl groups enhance the glossy appearance and the compatibility with various cosmetic ingredients. Silicone chain brings excellent soft and smooth feel.

Alkyl Dimethicone

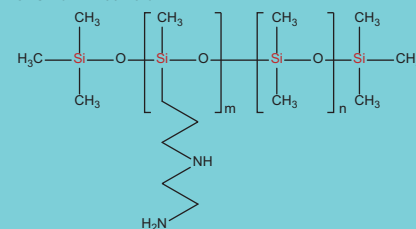


Bis-Aminopropyl Dimethicone

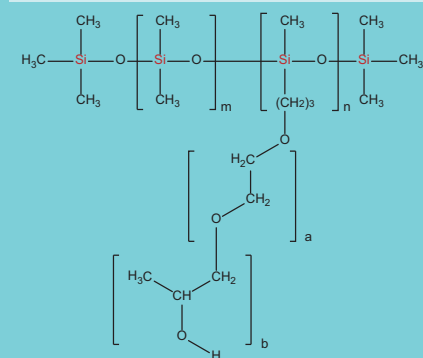


Amodimethicone

CAS No.: 71750-79-3

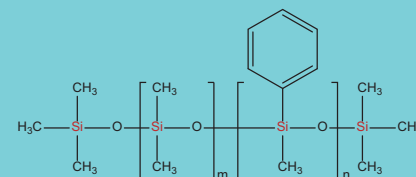


PEG/PPG Dimethicone



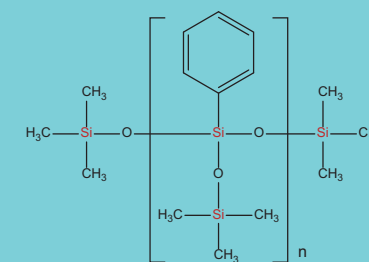
Phenylmethicone

CAS No.: 31230-04-3 / 63148-58-3



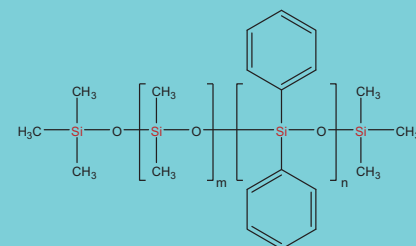
Phenyl Trimethicone

CAS No.: 70131-69-0

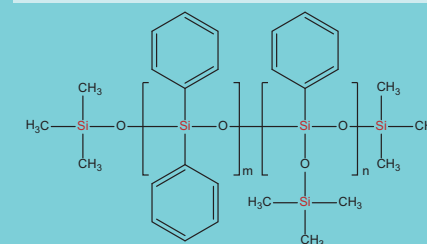


Diphenyl Dimethicone

CAS No.: 68083-14-7



Diphenylsiloxy Phenyl Trimethicone



AMINO FUNCTIONAL SILICONES

SiSIB SILICONES	INCI NAME	Appearance	Viscosity mPa.s	Density	Refractive Index	Amine Value mmol/g	Combing	Smoothness	Hair Care	Skin Care	Color Cosmetic	Benefits
SiSIB® PC19550	Aminoethylaminopropyl Dimethicone	Colorless to light yellow, transparent to translucent liquid	4,500	0.97	1.405	0.4	**	**	•			Gives hair a unique silky feel and serves as a good protectant for the hair cuticle.
SiSIB® PC19556	Amodimethicone	Colorless to light yellow, transparent to translucent liquid	3,000	0.97	1.406	0.36	**	**	•			Provides smooth feel to dry hair, improves wet and dry combing, decreases fly-away, provides heat protection.
SiSIB® PC19586	Amodimethicone	Colorless to light yellow, transparent to translucent liquid	5,000	0.97	1.403	0.2	**	•	•			Good combing performance, suitable for repairing damaged hair, needs to be emulsified before using.
SiSIB® PC19596	Amodimethicone	Colorless to light yellow, transparent to translucent liquid	6,000	0.97	1.405	0.1	**	•	•			Good combing ability, suitable for damaged hair repair. Low content of cyclomethicone.
SiSIB® PC19558	Bis (C13-15 Alkoxy) PG-Amodimethicone	Colorless to light yellow, transparent to translucent liquid	10,000	0.97	1.403	0.3	**	**	•			Low yellowing, no emulsifiers or preservatives, excellent compatibility with cyclopentasiloxane and isododecane, color protection.
SiSIB® PC19553	Bisamino PEG / PPG-41 / 3 Aminoethyl Pg- Propyl Dimethicone (and) Glycerin (and) Dipropylene Glycol	Colorless to light yellow, transparent to translucent liquid	2,000	-	-	-	**	•	•			Silky softness, wet and dry combability, flyaway control, shine/gloss, moisturization.
SiSIB® PC19566	Bis-Aminopropyl Dimethicone	Colorless to light yellow, transparent to translucent liquid	6,000	0.97	1.402	0.1	**	•	•			Excellent yellow resistance, film forming with high viscosity, silky smoothness, glossy, long-lasting.
SiSIB® PC19575	PEG-7 Amodimethicone	Colorless to light yellow, transparent to translucent liquid	12,000	1.02	1.453	0.3	**	**	•			Does not contain surfactant, good water solubility, easy to add, good combing performance
SiSIB® PC19562	Quaternium-80 (and) Butylene Glycol (and) Water	Light yellow translucent liquid	200	1.03	1.410	-	•	•	•			Smooth conditioning, anti-static, reduces heaviness and greasiness, soft and silky, shiny, reduces frizz and tangling.

PHENYL FUNCTIONAL SILICONES

SiSIB SILICONES	INCI NAME	Appearance	Viscosity mPa.s	Density	Refractive Index	Hair Care	Skin Care	Color Cosmetic	Benefits
SiSIB® PC19822	Diphenyl Dimethicone	Colorless clear liquid	400	1.07	1.505	•	•	•	High refractive index, heat resistance, non-greasy feel, imparts gloss, softness, good compatibility.
SiSIB® PC19825	Diphenylsiloxy Phenyl Trimethicone	Colorless clear liquid	15	0.99	1.495	•	•	•	Unique triphenyl asymmetric structure, high refractive index, better gloss, good compatibility, oxidation resistance.
SiSIB® PC19816	Phenyl Methicone	Yellowish clear liquid	20	0.99	1.458	•	•	•	Excellent anti-oxidation and anti-ultraviolet performance, bright and shiny, non-greasy, excellent compatibility and breathability.
SiSIB® PC19818	Phenyl Methicone	Yellowish clear liquid	80	1.02	1.460	•	•	•	High refractive index, good gloss, UV resistance, good breathability, provides lubricated, soft and non-greasy skin feel.
SiSIB® PC19817	Phenyl Trimethicone	Colorless clear liquid	25	1.00	1.468	•	•	•	Oxidation resistance, UV protection, glossing and non-greasy, excellent compatibility and gas permeability.

FUNCTIONAL SILICONES

SISIB SILICONES	INCI NAME	Appearance	Viscosity mPa.s	Density	Refractive Index	Moisturizing	Sikly Feel	Softness	Hair Care	Skin Care	Color Cosmetic	Benefits
SISIB® PC19577	Bis-Hydroxyethoxypropyl Dimethicone	Clear or translucent liquid	70	0.97	1.410	•	••	•	•	•	•	Medium polar silicone oil, good compatibility, can be used as a suspension aid for color powder and sunscreens to reduce the stickiness.
SISIB® PC13201	C13-16 Isoparaffin (and) Dimethicone	Clear liquid	5,000	0.8	1.425		••	••	•	•	•	High lightness, non-greasy, non-sticky, silky and long lasting.
SISIB® PC13202	Coconut oil (and) Isohexadecane (and) Isododecane (and) Dimethiconol	Clear liquid	40,000	0.96	1.422	•	••	•	•	•	•	Excellent conditioning agent with good spread ability, provides silky, gloss and softness, water-resistant and moisturizing.
SISIB® PC19381	Dimethicone (and) Dimethicone / Vinyl Dimethicone Crosspolymer	Clear liquid	600	0.87	1.390	••	•		•	•	•	Excellent gloss and moisture retention, excellent slippery feel, unique rheological properties, and good brushed effect.
SISIB® PC19578	Dimethicone (and) Hydrogenated Polyisobutene	Clear liquid	2,500	-	1.433	••	•	•	•	•	•	Provides lasting moisturizing, water resistance, shine and glossiness, and wash resistance.
SISIB® PC19382	Dimethiconol Meadowfoamate	Light yellow clear liquid	75	0.93	1.430	••	•	•	•	•	•	Natural oil modified, extremely soft smooth, non-oily, non-sticky, moisturizing, with high skin affinity, enhance barrier function.
SISIB® PC19376	Lauryl Dimethicone	Clear liquid	4	0.83	1.417		•	••	•	•	•	Low viscosity, long-lasting, good compatibility, glossy, easy to spread, silky and soft non-sticky texture, effective dispersant for powder makeup.
SISIB® PC12520	Dimethicone PEG-7 Cocoate	Amber liquid	8,000	1.01	1.428		••	••	•	•		Excellent conditioning, effectively improves the wet and dry combing of hair without feeling heavy or greasy; enhance the softness and smoothness.
SISIB® PC12521	Dimethiconol Stearate	Clear liquid	10	0.93	1.415	•	•		•	•	•	Good compatibility with oils and fats, provides softness and smoothness, lasting moisturizing, good skin affinity, and can be used for powder dispersion.
SISIB® PC19418	Cyclopentasiloxane (and) Dimethicone	Clear liquid	4,500	0.95	1.397	•	•	•	•	•	•	Contains 15% low-viscosity dimethicones, provides excellent slippery feel, soft film, refreshing silky texture.

SILICONE EMULSIONS

Silicone emulsions can help you formulate personal care products easily and efficiently. This method helps to incorporate potentially incompatible ingredients. As part of cold or hot processing, silicone emulsions can be simply poured or mixed. The development of emulsions and microemulsions takes advantage of the properties of various silicone families.

In addition to the advantages of liquid, amodimethicone and dimethicone emulsions are also easy to handle in aqueous systems. These emulsions provide the recognized soft and dry feel of silicones, as well as gloss and a range of conditioning levels. When provided as microemulsions, they can be incorporated into clear products.

Quaternary silicone emulsions can also provide new formulation options, such as heat protection and improved color retention. The quaternary ammonium functionality provides excellent wet and dry entanglement, combing and feel properties. In microemulsions, such products can be used in opaque and clear formulations, rinse-off and leave-in conditioners, shampoos and styling aids.

SiSiB produces a variety of high-quality silicone emulsions to meet the various needs of the personal care industry. Personal care products such as facial or body moisturizers use silicone emulsions to soften the skin. Hair care products that improve hair shine, manageability and texture usually include silicone emulsions in their formulations.

SILICONE EMULSIONS

SiSiB SILICONES	INCI NAME	Solid Content	Appearance	pH	Smoothness	Anti-static	Shine	Softness	Thermo Protection	Color Protection	Hair Care	Skin Care	Color Cosmetic	Benefits
SiSiB® PC15329	Aminopropyl Dimethicone (and) Succinic Acid (and) Laureth-4	23%	Colorless clear liquid	8	**	**	•	**	•	•	•			Excellent zwitterionic conditioner with phenoxyethanol as preservative, provides smoothness and softness, reduces flyaway, and has excellent dry and wet combing.
SiSiB® PC15324	Amodimethicone (and) C12-14 Sec-pareth-5 (and) C12-14 Sec-pareth-7	30%	Translucent liquid	6	**	•	•	•	•	•	•			Superior conditioner, reduces wet detangling time and fly-away, improves shine.
SiSiB® PC15355	Amodimethicone (and) Cetrimonium Chloride (and) Trideceth-12	32%	Bluish-white translucent liquid	8	**	**	•	**	**	**	•			Excellent cationic conditioning agent, improves wet and dry combing, increases smoothness, softness, reduces static.
SiSiB® PC15335	Amodimethicone (and) Lauramidopropyl Betaine (and) Octoxynol-40	40%	Colorless clear liquid	7	**	•	•	•	•	•	•			Good wet and dry combing, excellent smoothness, volume and softness, good water solubility, can be used in clear formulation.
SiSiB® PC15344	Amodimethicone (and) Laureth-3 (and) Laureth-9	20%	Colorless clear liquid	6	**	•	**	**	**	•	•			Non-ionic microemulsion, excellent softness, permeability, adsorption, good wet and dry combing, gives hair smoothness and gloss, can be used in clear formulation.
SiSiB® PC15354	Amodimethicone (and) Laureth-3 (and) Steartrimonium Chloride	32%	Bluish-white translucent liquid	8	**	**	•	**	**	**	•			Excellent cationic conditioner that provides smoothness and softness, improves wet and dry combing, reduces flyaways and offers good color protection.
SiSiB® PC19570	Amodimethicone (and) Laureth-7 (and) Isolaureth-6 (and) Glycerin	30%	Bluish-white translucent liquid	6	**	•	•	**	•	•	•			Excellent conditioner, with good penetration and adsorption, can improve the dry and wet combing, making hair soft and smooth.
SiSiB® PC15338	Amodimethicone (and) Trideceth-10 (and) Steartrimonium Chloride	35%	Milky white liquid	10	**	•	•	**	•	•	•			Offers improved wet & dry combability and pleasant & soft feel.
SiSiB® PC15320	Bis-Aminopropyl Dimethicone (and) Trideceth-10	25%	Milky white liquid	6	**	**	•	**	•	•	•			Excellent conditioning agent that improves wet and dry combing, providing softness, improved combing and manageability to hair.
SiSiB® PC15306	Dimethicone (and) Laureth-3 (and) Laureth-9	55%	Milky white liquid	7	**	•	•	**	**	•	•			Non-ionic O/W emulsion, good compatibility, provide good smoothness, shine and softness. Good wet and dry combing.
SiSiB® PC15322	Dimethicone (and) Laureth-4 (and) Laureth-23	67%	Milky white liquid	6	**	•	•	•	**	•	•			Non-ionic O/W emulsion, good compatibility, provide good smoothness, shine and softness. Good wet and dry combing.
SiSiB® PC15328	Dimethiconol (and) TEA-Dodecylbenzenesulfonate	60%	Milky white liquid	6	**	•	**	•	**	•	•	•		Anionic O/W emulsion, preservative-free, gives hair lasting softness, smoothness, shine, excellent conditioner without compromising foam stability.
SiSiB® PC15381	Silicone Quaternium-16 (and) Trideceth-12 (and) Glycerin	26%	Bluish-white translucent liquid	6	•	**	•	**	**	**	•			Excellent cationic conditioner, anti-static, inhibits bacterial and fungal growth, provides good color protection.

SILICONE EMULSIFIER

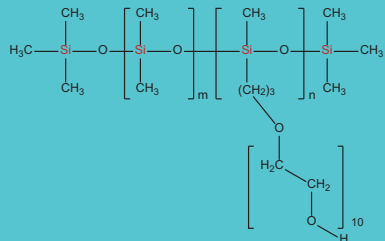
Silicone Glycols - Water Soluble Silicone Fluids

Silicone emulsifier is a kind of mixture which helps two or more opposite compositions be dissolved to form stable emulsion. It is based on silicone polyether structure, generally known as PEG/PPG-X/Y dimethicone. Compared to some organic w/o emulsifiers, silicone emulsifiers are typically transparent to translucent liquid and do not require waxes for emulsion stabilization.

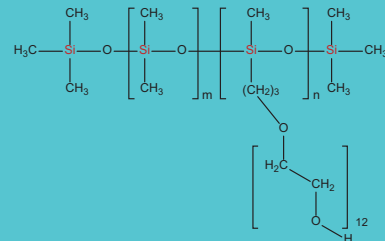
SiSIB Silicones offer silicone emulsifier with the rake silicone polyether, in which polyether segments are attached to the silicone backbone. With this structure, alkyl chains can also be added to increase compatibility with organic oils, for example, PEG-10 Dimethicone (SiSIB® PC19592), Cyclopentasiloxane (and) PEG/ PPG-18/18 Dimethicone (SiSIB® PC19587), Cetyl PEG/PPG-10/1 Dimethicone (SiSIB® PC19590), Lauryl PEG-9 Polydimethylsiloxyethyl Dimethicone (SiSIB® PC19591).

Silicone emulsifier is used in a wide range of personal care applications such as color cosmetics, skin care, sun care and antiperspirants and deodorants. It has many benefits: excellent W/Si and W/O emulsibility, easy to emulsify and low operating temperature, silky and non-sticky skin feel, good emulsibility for silicone oil and non-silicone oil, non-ionic for increased compatibility, excellent dispersing ability for powder materials, effective at very low concentrations and high compatibility with other ingredients.

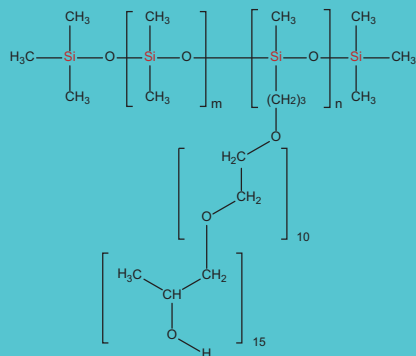
PEG-10 Dimethicone



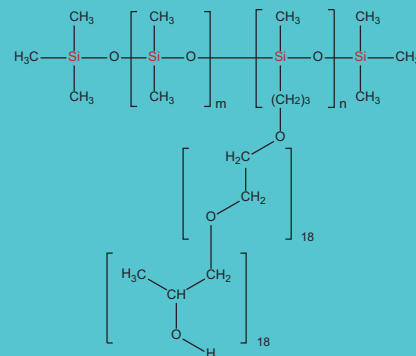
PEG-12 imethicone



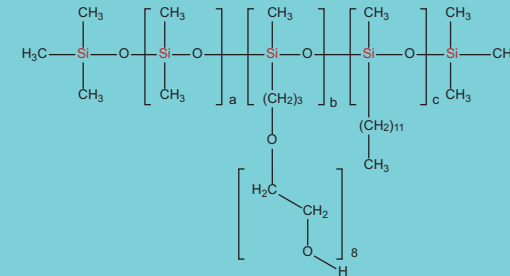
PEG/PPG-10/15 Dimethicone



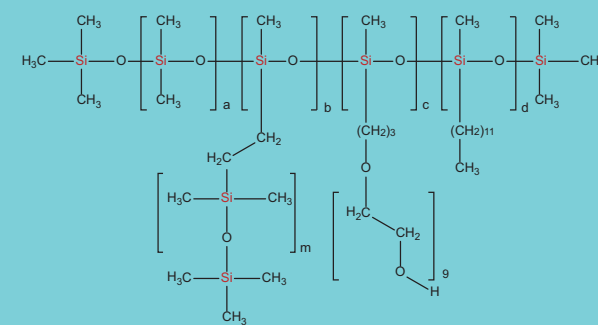
PEG/PPG-18/18 Dimethicone



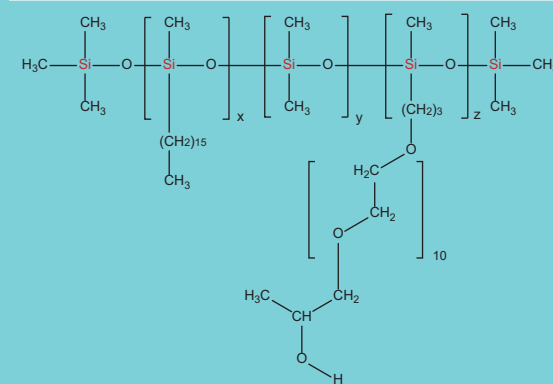
Lauryl PEG-8 Dimethicone



Lauryl PEG-9 Polydimethylsiloxyethyl Dimethicone



Cetyl PEG/PPG-10/1 Dimethicone





SILICONE EMULSIFIER AND WATER SOLUBLE SILICONE FLUIDS

SiSIB SILICONES	INCI NAME	Viscosity mPa.s	Density	Refractive Index	Emulsifying Ability	Thickening	Moisturizing	Silky Feel	Hair Care	Skin Care	Color Cosmetic	Benefits
SiSIB® PC19587	Cyclopentasiloxane (and) PEG/PPG-18/18 Dimethicone	70	0.96	1.400	••	•	•	••	•	•	•	Stable silicone oil-in-water formulation, transparent oil-in-water emulsion technology is possible.
SiSIB® PC19585	Dimethicone (and) PEG/PPG-18/18 Dimethicone	100	0.95	1.399	•	•	••	••	•	•	•	W/O and W/Si emulsifier, good silky feel.
SiSIB® PC19598	Lauryl PEG-8 Dimethicone	3,000	1.01	1.439	•	•	••	•	•	•	•	O/W and O/Si emulsifier, strong emulsifying ability, provides good emulsion stability.
SiSIB® PC19597	Lauryl PEG-9 Polydimethylsiloxyethyl Dimethicone	700	0.93	1.415	••	•	••	•	•	•	•	Excellent W/Si W/O emulsifying ability, good emulsification stability, easy emulsification, silky and non-sticky skin feel
SiSIB® PC19599	Lauryl PEG-9 Polydimethylsiloxyethyl Dimethicone (and) Sorbitan Isostearate	2,400	0.97	1.455	••	••	••	•	•	•	•	Excellent W/Si W/O emulsifying ability, good emulsification stability, easy emulsification, can improve the color fixation effect in lip glaze.
SiSIB® PC19592	PEG-10 Dimethicone	1,500	1.01	1.439	•	•	••	•	•	•	•	Highly effective W/O, W/Si emulsifier, smooth and non-sticky skin feel, easy to emulsify, suitable in low temperature operation.
SiSIB® PC19513	PEG-10 Dimethicone (and) Cetyl Dimethicone (and) Distearidimonium Hectorite (and) Propylene Carbonate	-	0.93	1.430	•	••	••	•	•	•	•	Non-volatile carrier with high emulsion suspension stability, can prepare skin-lightening and stable water-in-oil emulsion.
SiSIB® PC19514	Cyclopentasiloxane (and) PEG-10 Dimethicone (and) Distearidimonium Hectorite	-	1.01	1.408	•	••	••	•	•	•	•	Provides rheology control and suspension, effectively increases viscosity, and provides thermally stable viscosity control, giving the skin an excellent silky smooth feel
SiSIB® PC19446	PEG/PPG-15/15 Dimethicone	500	1.05	1.453	•	•	•	•	•	•	•	Moisturizing, non-irritating to the skin, suitable for a variety of cosmetic formulations, cloud point > 50 degrees Celsius
SiSIB® PC19646	PEG-12 Dimethicone	400	1.07	1.456	•	•	•	•	•	•	•	Excellent water solubility and emulsification, high cloud point, suitable for foam stabilizer for spray formulation.

MANUFACTURING FACILITIES

