

**INDUSTRY
SOLUTIONS.**

**Consumer
Care
Solutions.**

CHT

**SMART CHEMISTRY
WITH CHARACTER.**



**HIGH PERFORMANCE
FOR PERSONAL CARE**

SILICONE SPECIALTIES FOR CONSUMER CARE SOLUTIONS

**ELEVADO RENDIMIENTO
PARA EL CUIDADO PERSONAL**

ESPECIALIDADES DE SILICONA PARA
CONSUMER CARE SOLUTIONS

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IMPERSONAL SERVICE.****YES.
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CHT offers you an international team of highly skilled experts in the field of specialty silicones for personal care products. We are the first choice when it comes to expertise, performance, product range, and sustainability. But what really sets us apart is our responsibility, and our dedication to every single customer. We cater to large enterprises as well as small niche producers with the same diligence. Our experts will personally take on every challenge when it comes to finding the solution that is best for you.

La CHT ofrece un equipo internacional de profesionales altamente calificados en el campo de las siliconas especiales para productos para el cuidado personal. Somos la primera opción en términos de experiencia, rendimiento, gama de productos y sostenibilidad. Pero lo que realmente nos distingue es nuestra responsabilidad y dedicación a todos nuestros clientes. Atendemos tanto a grandes empresas como a pequeños productores de nicho con el mismo esmero. Nuestros expertos se encargarán personalmente de cada desafío cuando se trate de encontrar la mejor solución para usted.

HAIR CARE CUIDADO DEL CABELLO

Silicones are a key ingredient in hair care products due to their wide range of positive effects. Silicones ensure easy combing, an attractive silky shine, create softness, and offer protection against heat, the environment, and frizz. They can be added to shampoos, rinse-off conditioners, as well as leave-in products.

Las siliconas son un componente clave de los productos para el cuidado del cabello para lograr una amplia variedad de efectos positivos. Las siliconas facilitan el peinado y garantizan un atractivo brillo sedoso, suavidad y protección contra el calor, el medio ambiente y el frizz. Se pueden añadir a champús, acondicionadores con enjuague y productos sin enjuague.

SI-QUATS AND SUGAR-MODIFIED AMODIMETHICONES

Si-quats, cationic modified silicones, improve wet and dry combing without leaving the hair feeling heavy. Si-quats are the best choice for all products aiming to strengthen the hair without weighing it down. Also, Si-quats can be used as a booster for other ingredients like PQ-10 or cationic modified polymers, transporting them more efficiently to the hair's surface.

Sugar-modified amodimethicones are the modern touch for conditioners, shampoos, and leave-on products. They offer unique technology with many benefits, such as:

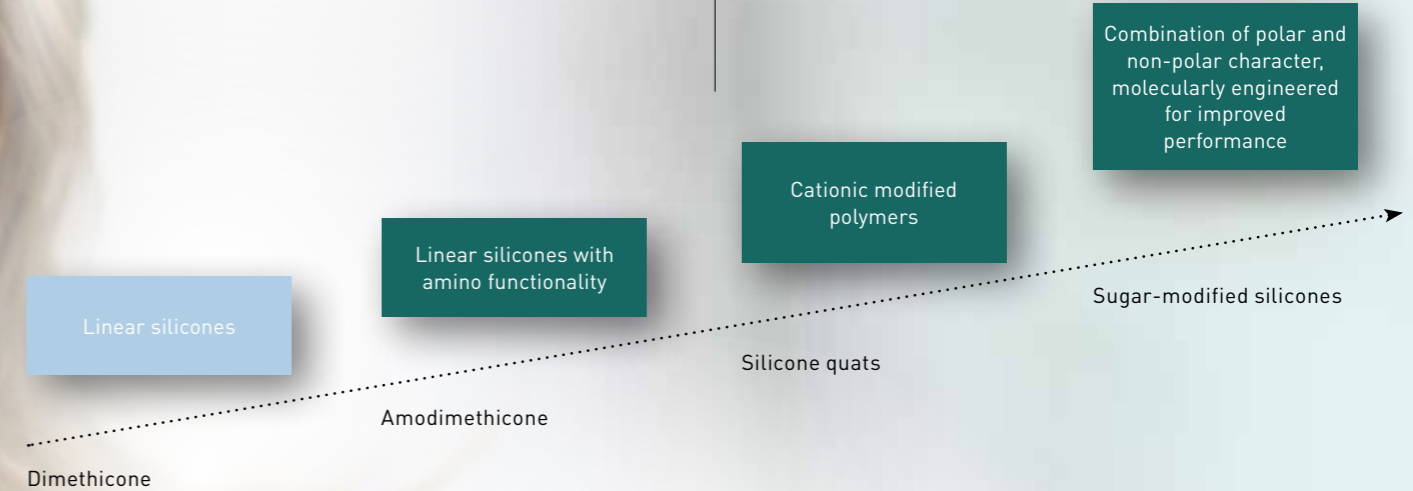
- ▶ Attractive silky shine
- ▶ Smooth and soft feeling
- ▶ Significant reduction of dry and wet comb force
- ▶ Heat protection
- ▶ Less buildup
- ▶ Supports moisturization

SI-QUATS Y AMODIMETICONAS MODIFICADAS CON AZÚCAR

Los Si-quats, siliconas catiónicas modificadas, mejoran el peinado en húmedo y en seco sin dejar el cabello pesado. Los Si-quats son la mejor opción para todos los productos que buscan fortalecer el cabello sin dejarlo pesado. Además, los Si-quats se pueden utilizar como activadores de otros ingredientes como el PQ-10 o los polímeros catiónicos modificados, transportándolos de forma más eficiente a la superficie del cabello.

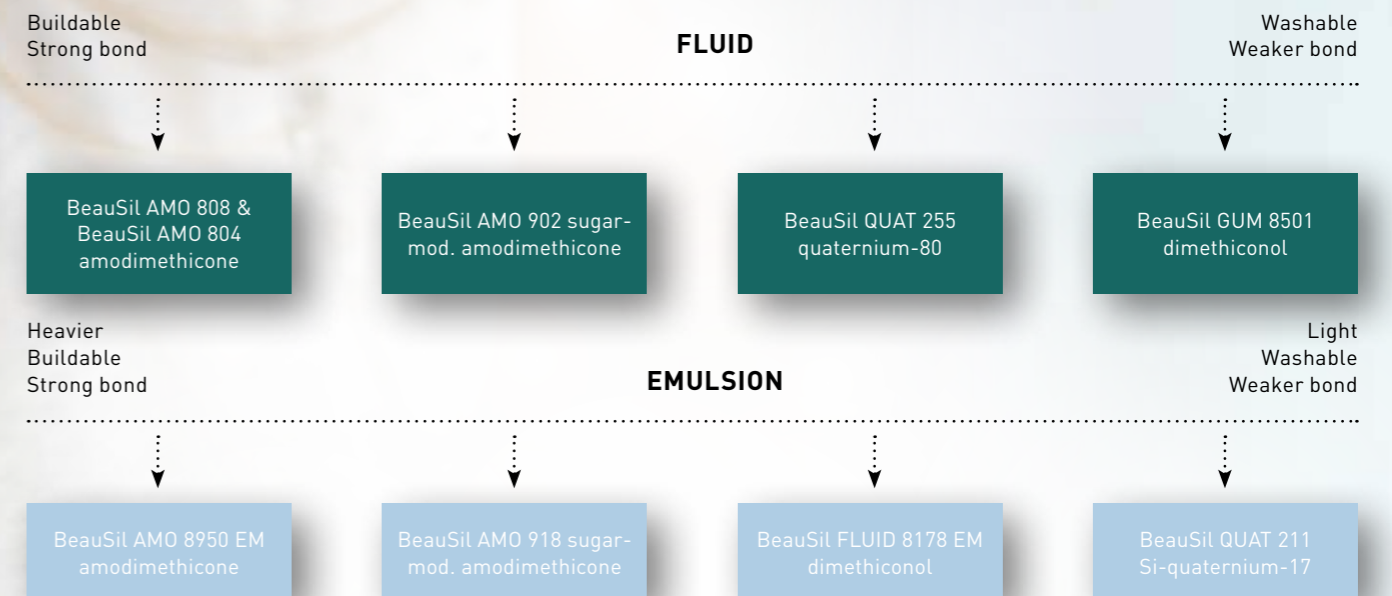
Las amodimeticonas modificadas con azúcar aportan un toque moderno para acondicionadores, champús y productos sin enjuague. Esta tecnología única en su género destaca por muchas ventajas.

- ▶ Atractivo brillo sedoso
- ▶ Sensación de suavidad
- ▶ Reducción significativa de la fuerza necesaria de peinado en seco y en húmedo
- ▶ Protección contra el calor
- ▶ Menos acumulación de residuos
- ▶ Favorece la hidratación



Si-quat technology and the new generation of sugar-modified amodimethicones.

La tecnología de Si-quat y la nueva generación de amodimeticonas modificadas con azúcar.



HAIR CARE | CUIDADO DEL CABELLO

YOUR EXPERT TIP: OUR NEW SUGAR-MODIFIED SILICONES COMBINE BOTH POLAR AND NON-POLAR CHARACTERISTICS FOR EXCEPTIONAL PERFORMANCE.

SU RECOMENDACIÓN DE EXPERTO: NUESTRAS NUEVAS SILICONAS MODIFICADAS CON AZÚCAR COMBINAN CARACTERÍSTICAS POLARES Y NO POLARES PARA UN RENDIMIENTO EXCEPCIONAL.

| Product | INCI | Application | | | | Benefits | | | | | | | |
|----------------------------|--|-------------|-------------|------------|---------|-------------|-------------|------------|-------|-----------|--------|-----------------|------------------|
| | | Shampoo | Conditioner | Treatments | Styling | Dry combing | Wet combing | Smoothness | Shine | Repairing | Volume | Heat protection | Color protection |
| Silicone waxes/gel | | | | | | | | | | | | | |
| BeauSil WAX 060 | C20-24 alkyl dimethicone | | ● | | ● | ● | | ●● | | | | ● | |
| BeauSil WAX 040 | Caprylyl methicone | | ● | ● | ● | | ● | | | | ● | | |
| BeauSil GEL 8014 | Dimethicone (and) dimethicone crosspolymer | | | ● | ● | | | ● | | | | ● | |
| Cationic silicones | | | | | | | | | | | | | |
| BeauSil QUAT 255 | Quaternium-80 | ● | ● | ● | ● | ●● | ● | ●●● | ● | ●● | | ● | |
| BeauSil AMO 8950 EM | Amodimethicone (and) trideceth-12 (and) cetrimonium chloride | ● | ● | | | ●● | ●●● | ●●● | ●● | ●●● | | ●● | ●● |
| BeauSil AMO 804 | Amodimethicone | | ● | ● | | ●● | ●● | ●● | ●● | ● | | ● | ● |
| BeauSil AMO 808 | Amodimethicone | | ● | ● | | ●● | ●●● | ●● | ●● | ●● | | ● | ● |
| BeauSil AMO 902 | Gluconamidopropyl amino propyl dimethicone | | ● | ● | | ●●● | ●● | ●●● | ●●● | ● | ● | ● | ● |
| BeauSil AMO 918 | Gluconamido amodimethicone (and) trideceth-7 (and) trideceth-8 | ● | | ● | | ●●● | ● | ●●● | ● | | ● | ● | |
| BeauSil QUAT 211 | Silicone quaternium-17 (and) PEG-7 glyceryl cocoate (and) caprylyl/capryl glucoside (and) lauryl glucoside | ● | ● | ● | | ●● | ●● | ●● | ● | ● | | ● | |
| Non-ionic silicones | | | | | | | | | | | | | |
| BeauSil FLUID 8178 EM | Dimethiconol (and) TEA-dodecylbenzene-sulfonate | ● | ● | ● | ● | ●● | ●● | ●● | ●●● | | | | |
| BeauSil FLUID 8169 EM | Dimethicone (and) laureth-4 (and) laureth-23 | ● | ● | | ● | ● | ● | ● | | | | | |
| BeauSil FLUID 8170 EM | Dimethicone (and) trideceth-6 (and) trideceth-12 | ● | ● | | | ● | ● | ● | | | | | |
| BeauSil FLUID 8301 | C13-15 alkane (and) isododecane (and) caprylyl methicone | | ● | ● | ● | | ● | | | | ● | | |
| Silicone gums | | | | | | | | | | | | | |
| BeauSil GUM 8548 | Cyclopentasiloxane (and) dimethiconol | | | ● | | ●● | ● | | | | | ●● | |
| BeauSil GUM 8547 | Dimethicone (and) dimethiconol | | ● | ● | | ●● | ● | ● | | | | ●● | |
| BeauSil GUM 8501 | C13-15 alkane (and) isododecane (and) caprylyl methicone (and) dimethiconol | | ● | ● | ● | ●● | ● | ● | | | | ●● | |
| BeauSil GUM 8503 | Dimethicone (and) dimethiconol | | | ● | ● | ●● | ● | ● | | | | ●● | |
| Silicone glycols | | | | | | | | | | | | | |
| BeauSil PEG 205 | PEG-12 dimethicone | ● | ● | ● | ● | ● | ● | | | | ● | | |
| Emulsifiers | | | | | | | | | | | | | |
| BeauSil WAX 055 | Cetyl PEG/PPG-10/1 dimethicone | | ● | | ● | ● | ● | | | | | | |
| BeauSil PEG 023 | PEG-10 dimethicone | | ● | | ● | | ● | | | | | | |

● Good
●● Better
●●● Best

● Bueno
●● Mejor
●●● Lo mejor

SKIN CARE

CUIDADO DE LA PIEL

Silicones have a lower surface tension than organic lipids. This property makes silicone-based additives ideal for enhancing the spreadability of skin care or color cosmetic formulations. CHT silicone waxes solve the ease of silicone solubility in the oil phase. CHT silicone waxes are alkyl-modified polydimethylsiloxanes. Their alkyl modification results in unique physical and chemical properties as well as outstanding performance in combination with organic lipids.

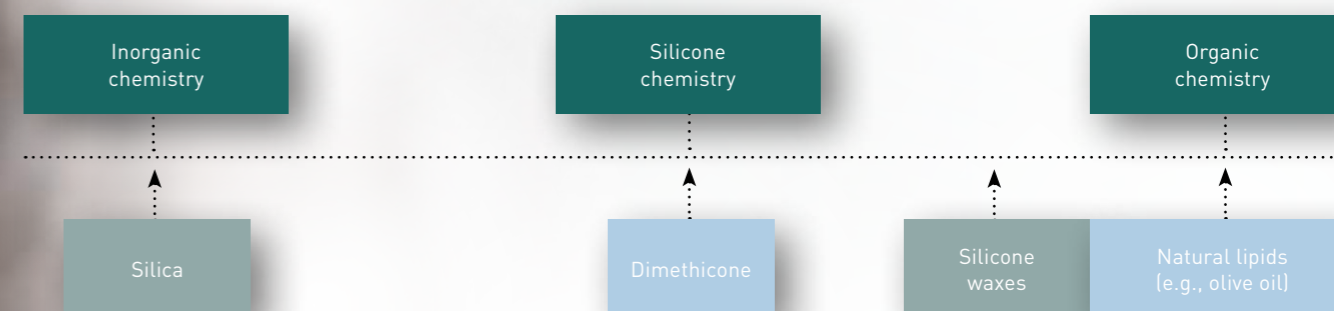
Las siliconas tienen una tensión superficial más baja que los lípidos orgánicos. Gracias a esta propiedad, los aditivos a base de silicona son ideales para mejorar el poder de esparcimiento de las formulaciones para el cuidado de la piel o para formulaciones de maquillaje. Las ceras de silicona de la CHT mejoran la solubilidad de la silicona en la fase oleosa. Las ceras de silicona de la CHT son polidimetil siloxanos modificados con grupos alquilo. Su modificación alquílica genera propiedades físicas y químicas únicas, así como un rendimiento excepcional en combinación con lípidos orgánicos.

ALKYL MODIFICATION

Classic dimethicones are not compatible with natural lipids. Alkyl modification improves the compatibility of silicone polymers with natural lipids like olive oil, enabling both components to form a stable solution.

MODIFICACIÓN ALQUÍLICA

Las dimeticonas clásicas no son compatibles con los lípidos naturales. La modificación alquílica mejora la compatibilidad de los polímeros de silicona con lípidos naturales como el aceite de oliva, permitiendo que ambos componentes formen una solución estable.

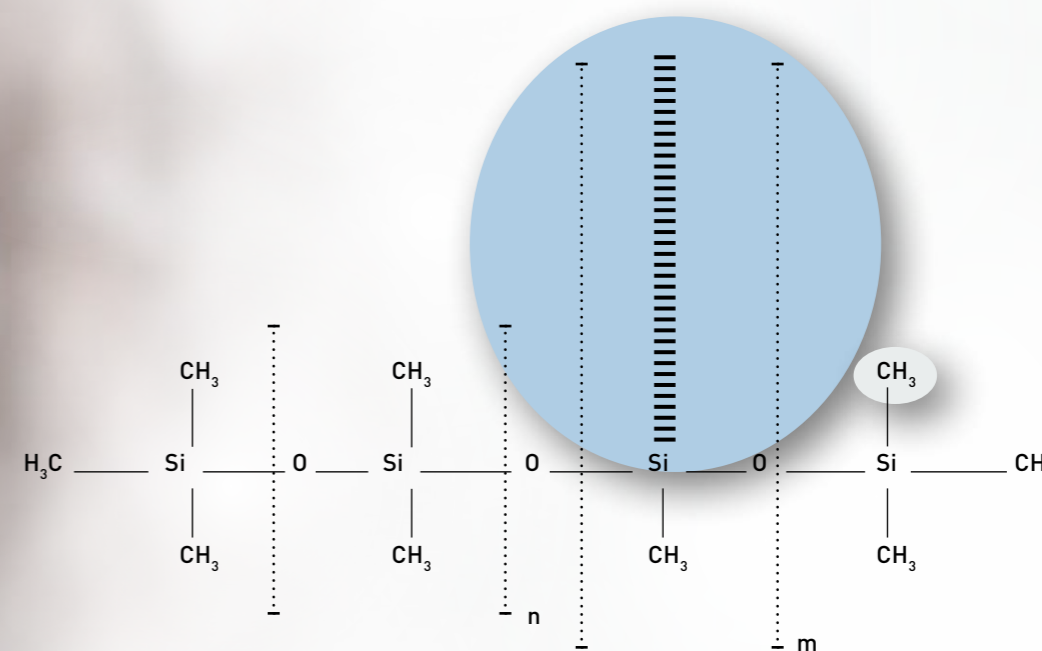


CETYL DIMETHICONE

Cetyl modification improves the solubility of polymers with organic substances such as natural lipids. The cetyl group is more effective than the smaller methyl group of standard dimethicones.

CETIL DIMETICONA

La modificación cetílica mejora la solubilidad de los polímeros con sustancias orgánicas como los lípidos naturales. El grupo cetilo es más eficaz que el grupo metilo más pequeño de las dimeticonas estándar.



Cetyl dimethicone: silicone polymer modified with C16-alkyl chains | Cetil dimeticona: polímero de silicona modificado con cadenas alquílicas C16

Additionally, in emulsions with a high content of liquid lipids, solid silicone waxes can increase the viscosity of oil droplets, enhancing the overall stability of the emulsion.

Además, en emulsiones con un alto contenido de lípidos líquidos, las ceras de silicona sólidas pueden aumentar la viscosidad de las gotas de aceite, mejorando la estabilidad total de la emulsión.

SKIN CARE | CUIDADO DE LA PIEL

YOUR EXPERT TIP: IF YOU ARE LOOKING FOR ECO-FRIENDLY SKIN CARE ADDITIVES, OUR TEAM WILL GLADLY RECOMMEND SUITABLE OPTIONS.

SU RECOMENDACIÓN DE EXPERTO: SI ESTÁ BUSCANDO ADITIVOS PARA EL CUIDADO DE LA PIEL RESPETUOSOS CON EL MEDIO AMBIENTE, NUESTRO EQUIPO ESTARÁ A SU DISPOSICIÓN PARA CUALQUIER RECOMENDACIÓN ESPECÍFICA.

| Product | INCI | Application | | | | Benefits | | | | | | | |
|----------------------------|---|-------------|-----------|----------|---------|----------------|------------------|---------------------|-------------------|-------------------|----------------|--------------------------------|-----------|
| | | Skin care | Cleansing | Sun care | Shaving | Emulsification | Water repellency | Softness/smoothness | Texture/structure | Enhance spreading | Less tackiness | Solubilizing of natural lipids | Cleansing |
| Silicone glycols | | | | | | | | | | | | | |
| BeauSil PEG 205 | PEG-12 dimethicone | ● | ● | | ● | ●● | | ● | | ● | | ● | ●● |
| BeauSil PEG 010 | PEG/PPG-15/5 dimethicone | ● | ● | | ● | ●● | | ● | | ● | | | ●●● |
| Silicone emulsifier | | | | | | | | | | | | | |
| BeauSil WAX 055 | Cetyl PEG/PPG-10/1 dimethicone | ● | | ● | | ●●● | | ●● | ● | ● | ● | ● | |
| BeauSil PEG 023 | PEG-10 dimethicone | ● | | ● | | ●●● | | | | ● | | | ● |
| Silicone waxes | | | | | | | | | | | | | |
| BeauSil WAX 020 | Cetyl dimethicone | ● | | | | | ● | ●● | | | | ● | |
| BeauSil WAX 040 | Caprylyl methicone | ● | ● | ● | ● | | | ● | | ●●● | ●●● | ●●● | ●● |
| BeauSil WAX 046 | C20-24 alkyl dimethicone (and) caprylyl methicone | ● | | ● | ● | | ●● | ●● | ●● | ● | ● | ●●● | |
| BeauSil WAX 060 | C20-24 alkyl dimethicone | ● | | ● | | | ●●● | ●● | ●●● | | | ●● | |
| BeauSil WAX 070 | Cetyl dimethicone | ● | | ● | | | ● | ● | | ●● | ●● | ●●● | |
| BeauSil WAX 069 | Stearyl dimethicone | ● | | ● | | | ●● | ●●● | ●●● | | ● | ●● | |
| Crosspolymers/gel | | | | | | | | | | | | | |
| BeauSil GEL 8014 | Dimethicone (and) dimethicone crosspolymer | ● | | ● | | | ● | ●●● | ●● | | ● | | |
| BeauSil GEL 8039 | Cyclopentasiloxane (and) dimethicone crosspolymer | ● | | ● | | | ● | ●●● | ●● | | ● | | |
| BeauSil GEL 8003 | Cyclopentasiloxane (and) dimethicone/vinyl dimethicone crosspolymer | ● | | ● | | | ● | ●●● | ●● | | ● | | |
| BeauSil GEL 8094 | Isododecane (and) dimethicone/vinyl dimethicone crosspolymer | ● | | ● | | | ● | ●●● | ●● | | ● | | |
| BeauSil GEL 8017 | C13-15 alkane (and) isododecane (and) caprylyl methicone (and) dimethicone/vinyl dimethicone crosspolymer | ● | | ● | | | ● | ●●● | ●● | | ● | | |
| BeauSil GEL 8085 | Cyclopentasiloxane (and) polysilicone-11 | ● | | ● | | | ● | ●●● | ●● | | ● | | |
| Smoothing beads | | | | | | | | | | | | | |
| BeauSil BEAD 2600 | Dimethicone (and) dimethicone/vinyl dimethicone crosspolymer | ● | | | | | | ●●● | ●●● | | | | |
| BeauSil BEAD 8100 EM | Dimethicone/vinyl dimethicone crosspolymer (and) C12-14 pareth-12 | ● | ● | ● | | | ● | ●●● | ●● | | ● | | |
| Non-ionic silicones | | | | | | | | | | | | | |
| BeauSil FLUID 8301 | C13-15 alkane (and) isododecane (and) caprylyl methicone | ● | ● | ● | ● | | | ● | | ●●● | ●●● | ● | ●●● |
| BeauSil FLUID 8199 EM | Dimethicone (and) ceteth-10 (and) laureth-4 | ● | | | | | ●● | ● | ●●● | ●● | ● | ● | |

● Good
●● Better
●●● Best

● Bueno
●● Mejor
●●● Lo mejor

COLOR COSMETICS | MAQUILLAJE

YOUR EXPERT TIP: TO IMPROVE STORABILITY IN LIPSTICKS CONTAINING NATURAL LIPIDS, ADD A SMALL AMOUNT OF DIMETHICONE-BASED WAX TO YOUR FORMULATION.

LA RECOMENDACIÓN DEL EXPERTO: PARA AUMENTAR LA VIDA ÚTIL DE LOS LABIALES QUE CONTIENEN LÍPIDOS NATURALES, AÑADIR A SU FORMULACIÓN UNA PEQUEÑA CANTIDAD DE CERA A BASE DE DIMETICONA.

| Product | INCI | Application | | | | Benefits | | | | | | |
|----------------------------|---|-------------|----------|-------------------|-------------|----------------|-------------------------|---------------------|----------------|-------------------|------------------|-----------|
| | | Powder | Emulsion | Anhydrous formula | Nail polish | Emulsification | Dispersing/solubilizing | Softness/smoothness | Less tackiness | Texture/structure | Water repellency | Spreading |
| Silicone glycols | | | | | | | | | | | | |
| BeauSil PEG 205 | PEG-12 dimethicone | ● | ● | | ● | ●●● | ●● | ● | ● | | | ● |
| Silicone emulsifier | | | | | | | | | | | | |
| BeauSil WAX 055 | Cetyl PEG/PPG-10/1 dimethicone | | ● | ● | | ●●● | ● | ●● | ● | ● | | ● |
| BeauSil PEG 023 | PEG-10 dimethicone | | ● | | ● | ●●● | ●●● | | | | | ● |
| Silicone waxes | | | | | | | | | | | | |
| BeauSil WAX 020 | Cetyl dimethicone | | ● | ● | | | | ●● | ● | | ● | |
| BeauSil WAX 040 | Caprylyl methicone | ● | ● | ● | ● | | ●● | ● | ●●● | | | ●●● |
| BeauSil WAX 046 | C20-24 alkyl dimethicone (and) caprylyl methicone | ● | ● | ● | | | ● | ●● | ●● | ●● | ●● | ● |
| BeauSil WAX 060 | C20-24 alkyl dimethicone | ● | ● | ● | | | | ●●● | ● | ●●● | ●●● | |
| BeauSil WAX 070 | Cetyl dimethicone | ● | ● | ● | ● | | ●● | ● | ●● | | | ●● |
| BeauSil WAX 069 | Stearyl dimethicone | ● | ● | ● | | | ● | ● | ●● | ●● | ●●● | ● |
| Crosspolymers/gel | | | | | | | | | | | | |
| BeauSil GEL 8014 | Dimethicone (and) dimethicone crosspolymer | ● | ● | ● | | | ● | ●●● | ●●● | ●● | ● | |
| BeauSil GEL 8039 | Cyclopentasiloxane (and) dimethicone crosspolymer | ● | ● | ● | | | ● | ●●● | ●●● | ●● | ● | |
| BeauSil GEL 8003 | Cyclopentasiloxane (and) dimethicone/vinyl dimethicone crosspolymer | ● | ● | ● | | | ● | ●●● | ●●● | ●● | ● | |
| BeauSil GEL 8094 | Isododecane (and) dimethicone/vinyl dimethicone crosspolymer | ● | ● | ● | | | ● | ●●● | ●●● | ●● | ● | |
| BeauSil GEL 8017 | C13-15 alkane (and) isododecane (and) caprylyl methicone (and) dimethicone/vinyl dimethicone crosspolymer | ● | ● | ● | | | ● | ●●● | ●●● | ●● | ● | |
| BeauSil GEL 8085 | Cyclopentasiloxane (and) polysilicone-11 | ● | ● | ● | | | ● | ●●● | ●●● | ●● | ● | |
| Smoothing beads | | | | | | | | | | | | |
| BeauSil BEAD 2600 | Dimethicone (and) dimethicone/vinyl dimethicone crosspolymer | ● | ● | ● | | | | ●●● | ● | ●●● | | |
| BeauSil BEAD 8100 EM | Dimethicone/vinyl dimethicone crosspolymer (and) C12-14 pareth-12 | ● | ● | ● | | | | ●●● | ● | ●● | ● | |
| Non-ionic silicones | | | | | | | | | | | | |
| BeauSil FLUID 8301 | C13-15 alkane (and) isododecane (and) caprylyl methicone | ● | ● | ● | ● | | ●●● | ● | ●●● | | | ●●● |

SUSTAINABLE SOLUTIONS

SOLUCIONES SOSTENIBLES

Sustainability is an important part of the CHT Group's commitment and promise to always deliver Smart Chemistry with Character. As in all business fields, our silicone experts work hard on finding sustainable solutions.

La sostenibilidad forma parte del empeño y el compromiso del grupo CHT de siempre brindar «Smart Chemistry with Character». Al igual que en todas las áreas de negocio, nuestros expertos en siliconas trabajan duro para encontrar soluciones sostenibles.

SILICONE: THE SWEET SUSTAINABLE SOLUTION FOR PERSONAL CARE

The sweet silicone product line by CHT is based on sugar modification technology. The sugar compounds are sourced from natural products like sugarcane. The sweet cyclopentasiloxane alternative BeauSil FLUID 8301 is an ideal raw material for many personal care formulations. It also provides the base for other products like BeauSil GUM 8501 or BeauSil GEL 8017. The cationic silicones BeauSil AMO 902 and BeauSil AMO 918 are products of a sugar and amodimethicone reaction that is patented by CHT. BeauSil QUAT 211 is a special microemulsion using sugar surfactants to create a unique product for unique performance. All products are free from cyclic silicones (below 0.1%), MIT/BIT, and BPA, and are already meeting tomorrow's sustainability expectations.

SILICONA: LA DULCE SOLUCIÓN SOSTENIBLE PARA EL CUIDADO PERSONAL

La línea dulce de productos de silicona de la CHT se basa en la tecnología de modificación de azúcar. Los compuestos de azúcar se basan en productos naturales como la caña de azúcar. La alternativa dulce al ciclopentasiloxano, el BeauSil FLUID 8301, es una materia prima ideal para muchas formulaciones del cuidado personal. También es la base para otros productos como el BeauSil GUM 8501 o el BeauSil GEL 8017. Las siliconas catiónicas BeauSil AMO 902 y BeauSil AMO 918 son productos de una reacción de azúcar y amodimeticona patentada por la CHT. El BeauSil QUAT 211 es una microemulsión especial que utiliza tensioactivos de azúcar para crear un producto único en su género para un rendimiento igualmente único. Todos los productos están libres de siliconas cíclicas (por debajo del 0,1%), MIT/BIT, BPA y ya cumplen con las expectativas sostenibles del mañana.

| Product | INCI |
|--------------------|--|
| BeauSil FLUID 8301 | C13-15 alkane [and] isododecane [and] caprylyl methicone |
| BeauSil GUM 8501 | C13-15 alkane [and] isododecane [and] dimethiconol [and] caprylyl methicone |
| BeauSil GEL 017 | C13-15 alkane [and] isododecane [and] dimethicone/vinyl dimethicone crosspolymer [and] caprylyl methicone |
| BeauSil AMO 902 | Gluconamidopropyl amino propyl dimethicone |
| BeauSil AMO 918 | Gluconamido amodimethicone [and] trideceth-7 [and] trideceth-8 |
| BeauSil QUAT 211 | Silicone quaternium-17 [and] PEG-7 glyceryl cocoate [and] caprylyl/capryl glucoside [and] lauryl glucoside |



| INCI | Product |
|--|-----------------------|
| Amodimethicone | BeauSil AMO 804 |
| Amodimethicone | BeauSil AMO 808 |
| Gluconamidopropyl aminopropyl dimethicone | BeauSil AMO 902 |
| Gluconamido amodimethicone (and) trideceth-7 (and) trideceth-8 | BeauSil AMO 918 |
| Amodimethicone (and) trideceth-12 (and) cetrimonium chloride | BeauSil AMO 8950 EM |
| Dimethicone (and) laureth-4 (and) laureth-23 | BeauSil FLUID 8169 EM |
| Dimethicone (and) trideceth-6 (and) trideceth-12 | BeauSil FLUID 8178 EM |
| Dimethicone (and) ceteth-10 (and) laureth-4 | BeauSil FLUID 8199 EM |
| C13-15 alkane (and) isododecane (and) caprylyl methicone | BeauSil FLUID 8301 |
| Cyclopentasiloxane (and) dimethicone/vinyl dimethicone crosspolymer | BeauSil FLUID 8003 |
| Dimethicone (and) dimethicone crosspolymer | BeauSil GEL 8014 |
| C13-15 alkane (and) isododecane (and) caprylyl methicone (and) dimethicone/vinyl dimethicone crosspolymer | BeauSil GEL 8017 |
| Cyclopentasiloxane (and) dimethicone crosspolymer | BeauSil GEL 8039 |
| Cyclopentasiloxane (and) polysilicone-11 | BeauSil GEL 8085 |
| Isododecane (and) dimethicone/vinyl dimethicone crosspolymer | BeauSil GEL 8094 |
| Dimethicone/vinyl dimethicone crosspolymer (and) C12-14 pareth-12 | BeauSil BEAD 8100 EM |
| Dimethicone (and) dimethicone/vinyl dimethicone crosspolymer | BeauSil BEAD 2600 |
| Dimethiconol (and) TEA-dodecylbenzenesulfonate | BeauSil GUM 8178 EM |
| C13-15 alkane (and) isododecane (and) caprylyl methicone (and) dimethiconol | BeauSil GUM 8501 |
| Dimethicone (and) dimethiconol | BeauSil GUM 8503 |
| Dimethicone (and) dimethiconol | BeauSil GUM 8547 |
| Cyclopentasiloxane (and) dimethiconol | BeauSil GUM 8548 |
| PEG/PPG-15/5 dimethicone | BeauSil PEG 010 |
| PEG-10 dimethicone | BeauSil PEG 023 |
| PEG-12 dimethicone | BeauSil PEG 205 |
| Quaternium-80 | BeauSil QUAT 255 |
| Silicone quaternium-17 (and) PEG-7 glyceryl cocoate (and) caprylyl/capryl glucoside (and) lauryl glucoside | BeauSil QUAT 211 |
| Cetyl dimethicone | BeauSil WAX 020 |
| Caprylyl methicone | BeauSil WAX 040 |
| C20-24 alkyl dimethicone (and) caprylyl methicone | BeauSil WAX 046 |
| Cetyl PEG/PPG-10/1 dimethicone | BeauSil WAX 055 |
| C20-24 alkyl dimethicone | BeauSil WAX 060 |
| Stearyl dimethicone | BeauSil WAX 069 |
| Cetyl dimethicone | BeauSil WAX 070 |

ACTIVATE YOUR SILICONE EXPERTS TODAY

Contact us to assist you in finding the best solution. No job is too small and no task too complex for our experts.
Challenge us!

Contáctenos para ayudarle a encontrar la mejor solución. Ningún trabajo es demasiado pequeño y ninguna tarea es demasiado compleja para nuestros expertos.
Challenge us!

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DIRÍGETE A TUS EXPERTOS EN SILICONA HOY MISMO

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**NO.
IMPERSONAL SERVICE.****YES.
YOUR PERSONAL EXPERTS.****Alexander Selig**
CHT Germany,
Technical Service**Michelle Armstrong**
CHT USA, Business
Development/
Marketing Manager

CHT offers you an international team of highly skilled experts in the field of specialty silicones for personal care products. We are the first choice when it comes to expertise, performance, product range, and sustainability. But what really sets us apart is our responsibility, and our dedication to every single customer. We cater to large enterprises as well as small niche producers with the same diligence. Our experts will personally take on every challenge when it comes to finding the solution that is best for you.

La CHT ofrece un equipo internacional de profesionales altamente calificados en el campo de las siliconas especiales para productos para el cuidado personal. Somos la primera opción en términos de experiencia, rendimiento, gama de productos y sostenibilidad. Pero lo que realmente nos distingue es nuestra responsabilidad y dedicación a todos nuestros clientes. Atendemos tanto a grandes empresas como a pequeños productores de nicho con el mismo esmero. Nuestros expertos se encargarán personalmente de cada desafío cuando se trate de encontrar la mejor solución para usted.

HAIR CARE CUIDADO DEL CABELLO

Silicones are a key ingredient in hair care products due to their wide range of positive effects. Silicones ensure easy combing, an attractive silky shine, create softness, and offer protection against heat, the environment, and frizz. They can be added to shampoos, rinse-off conditioners, as well as leave-in products.

Las siliconas son un componente clave de los productos para el cuidado del cabello para lograr una amplia variedad de efectos positivos. Las siliconas facilitan el peinado y garantizan un atractivo brillo sedoso, suavidad y protección contra el calor, el medio ambiente y el frizz. Se pueden añadir a champús, acondicionadores con enjuague y productos sin enjuague.

SI-QUATS AND SUGAR-MODIFIED AMODIMETHICONES

Si-quats, cationic modified silicones, improve wet and dry combing without leaving the hair feeling heavy. Si-quats are the best choice for all products aiming to strengthen the hair without weighing it down. Also, Si-quats can be used as a booster for other ingredients like PQ-10 or cationic modified polymers, transporting them more efficiently to the hair's surface.

Sugar-modified amodimethicones are the modern touch for conditioners, shampoos, and leave-on products. They offer unique technology with many benefits, such as:

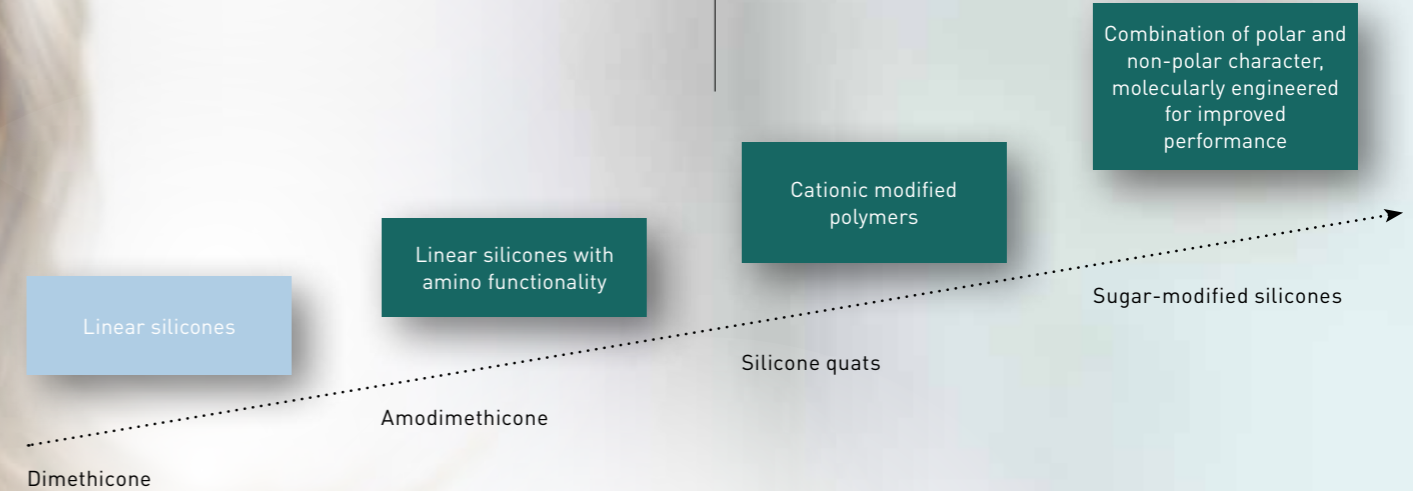
- ▶ Attractive silky shine
- ▶ Smooth and soft feeling
- ▶ Significant reduction of dry and wet comb force
- ▶ Heat protection
- ▶ Less buildup
- ▶ Supports moisturization

SI-QUATS Y AMODIMETJCONAS MODIFICADAS CON AZÚCAR

Los Si-quats, siliconas catiónicas modificadas, mejoran el peinado en húmedo y en seco sin dejar el cabello pesado. Los Si-quats son la mejor opción para todos los productos que buscan fortalecer el cabello sin dejarlo pesado. Además, los Si-quats se pueden utilizar como activadores de otros ingredientes como el PQ-10 o los polímeros catiónicos modificados, transportándolos de forma más eficiente a la superficie del cabello.

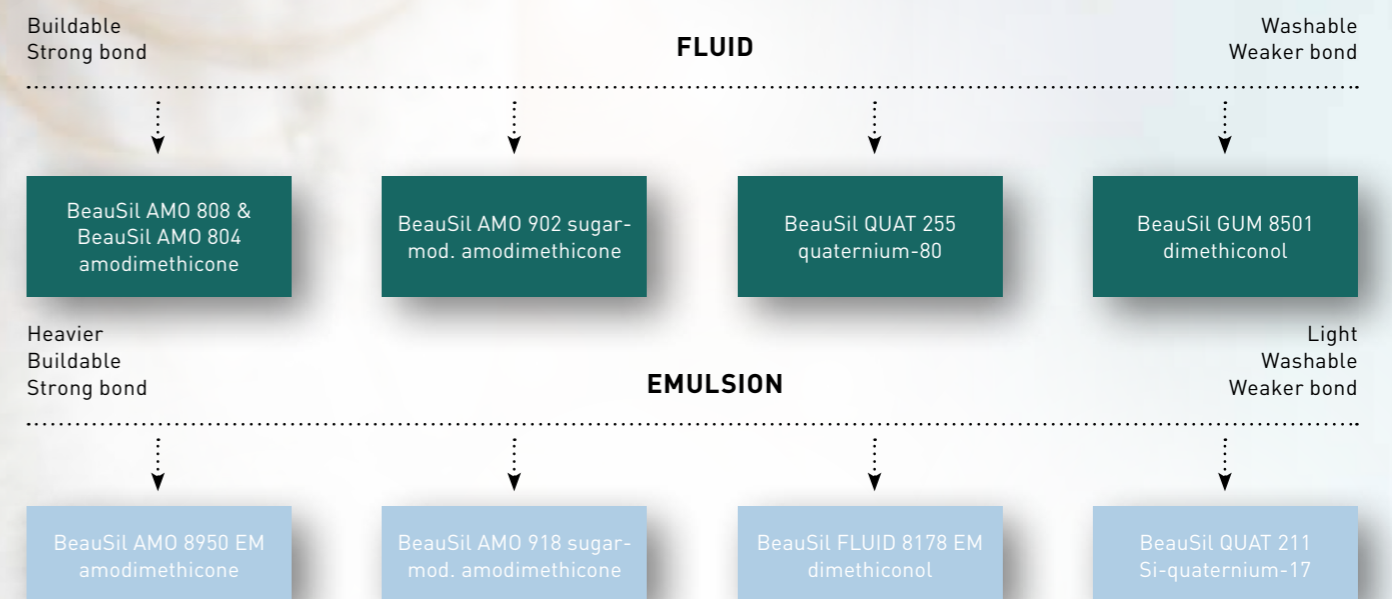
Las amodimeticonas modificadas con azúcar aportan un toque moderno para acondicionadores, champús y productos sin enjuague. Esta tecnología única en su género destaca por muchas ventajas.

- ▶ Atractivo brillo sedoso
- ▶ Sensación de suavidad
- ▶ Reducción significativa de la fuerza necesaria de peinado en seco y en húmedo
- ▶ Protección contra el calor
- ▶ Menos acumulación de residuos
- ▶ Favorece la hidratación



Si-quat technology and the new generation of sugar-modified amodimethicones.

La tecnología de Si-quat y la nueva generación de amodimeticonas modificadas con azúcar.



HAIR CARE | CUIDADO DEL CABELLO

YOUR EXPERT TIP: OUR NEW SUGAR-MODIFIED SILICONES COMBINE BOTH POLAR AND NON-POLAR CHARACTERISTICS FOR EXCEPTIONAL PERFORMANCE.

SU RECOMENDACIÓN DE EXPERTO: NUESTRAS NUEVAS SILICONAS MODIFICADAS CON AZÚCAR COMBINAN CARACTERÍSTICAS POLARES Y NO POLARES PARA UN RENDIMIENTO EXCEPCIONAL.

| Product | INCI | Application | | | | Benefits | | | | | | | |
|----------------------------|--|-------------|-------------|------------|---------|-------------|-------------|------------|-------|-----------|--------|-----------------|------------------|
| | | Shampoo | Conditioner | Treatments | Styling | Dry combing | Wet combing | Smoothness | Shine | Repairing | Volume | Heat protection | Color protection |
| Silicone waxes/gel | | | | | | | | | | | | | |
| BeauSil WAX 060 | C20-24 alkyl dimethicone | | ● | | ● | ● | | ●● | | | | ● | |
| BeauSil WAX 040 | Caprylyl methicone | | ● | ● | ● | | ● | | | | ● | | |
| BeauSil GEL 8014 | Dimethicone (and) dimethicone crosspolymer | | | ● | ● | | | ● | | | | ● | |
| Cationic silicones | | | | | | | | | | | | | |
| BeauSil QUAT 255 | Quaternium-80 | ● | ● | ● | ● | ●● | ● | ●●● | ● | ●● | | ● | |
| BeauSil AMO 8950 EM | Amodimethicone (and) trideceth-12 (and) cetrimonium chloride | ● | ● | | | ●● | ●●● | ●●● | ●● | ●●● | | ●● | ●● |
| BeauSil AMO 804 | Amodimethicone | | ● | ● | | ●● | ●● | ●● | ●● | ● | | ● | ● |
| BeauSil AMO 808 | Amodimethicone | | ● | ● | | ●● | ●●● | ●● | ●● | ●● | | ● | ● |
| BeauSil AMO 902 | Gluconamidopropyl amino propyl dimethicone | | ● | ● | | ●●● | ●● | ●●● | ●●● | ● | ● | ● | ● |
| BeauSil AMO 918 | Gluconamido amodimethicone (and) trideceth-7 (and) trideceth-8 | ● | | ● | | ●●● | ● | ●●● | ● | | ● | ● | |
| BeauSil QUAT 211 | Silicone quaternium-17 (and) PEG-7 glyceryl cocoate (and) caprylyl/capryl glucoside (and) lauryl glucoside | ● | ● | ● | | ●● | ●● | ●● | ● | ● | | ● | |
| Non-ionic silicones | | | | | | | | | | | | | |
| BeauSil FLUID 8178 EM | Dimethiconol (and) TEA-dodecylbenzene-sulfonate | ● | ● | ● | ● | ●● | ●● | ●● | ●●● | | | | |
| BeauSil FLUID 8169 EM | Dimethicone (and) laureth-4 (and) laureth-23 | ● | ● | | ● | ● | ● | ● | | | | | |
| BeauSil FLUID 8170 EM | Dimethicone (and) trideceth-6 (and) trideceth-12 | ● | ● | | | ● | ● | ● | | | | | |
| BeauSil FLUID 8301 | C13-15 alkane (and) isododecane (and) caprylyl methicone | | ● | ● | ● | | ● | | | | ● | | |
| Silicone gums | | | | | | | | | | | | | |
| BeauSil GUM 8548 | Cyclopentasiloxane (and) dimethiconol | | | ● | | ●● | ● | | | | | ●● | |
| BeauSil GUM 8547 | Dimethicone (and) dimethiconol | | ● | ● | | ●● | ● | ● | | | | ●● | |
| BeauSil GUM 8501 | C13-15 alkane (and) isododecane (and) caprylyl methicone (and) dimethiconol | | ● | ● | ● | ●● | ● | ● | | | | ●● | |
| BeauSil GUM 8503 | Dimethicone (and) dimethiconol | | | ● | ● | ●● | ● | ● | | | | ●● | |
| Silicone glycols | | | | | | | | | | | | | |
| BeauSil PEG 205 | PEG-12 dimethicone | ● | ● | ● | ● | ● | ● | | | | ● | | |
| Emulsifiers | | | | | | | | | | | | | |
| BeauSil WAX 055 | Cetyl PEG/PPG-10/1 dimethicone | | ● | | ● | ● | ● | | | | | | |
| BeauSil PEG 023 | PEG-10 dimethicone | | ● | | ● | | ● | | | | | | |

● Good
●● Better
●●● Best

● Bueno
●● Mejor
●●● Lo mejor

SKIN CARE

CUIDADO DE LA PIEL

Silicones have a lower surface tension than organic lipids. This property makes silicone-based additives ideal for enhancing the spreadability of skin care or color cosmetic formulations. CHT silicone waxes solve the ease of silicone solubility in the oil phase. CHT silicone waxes are alkyl-modified polydimethylsiloxanes. Their alkyl modification results in unique physical and chemical properties as well as outstanding performance in combination with organic lipids.

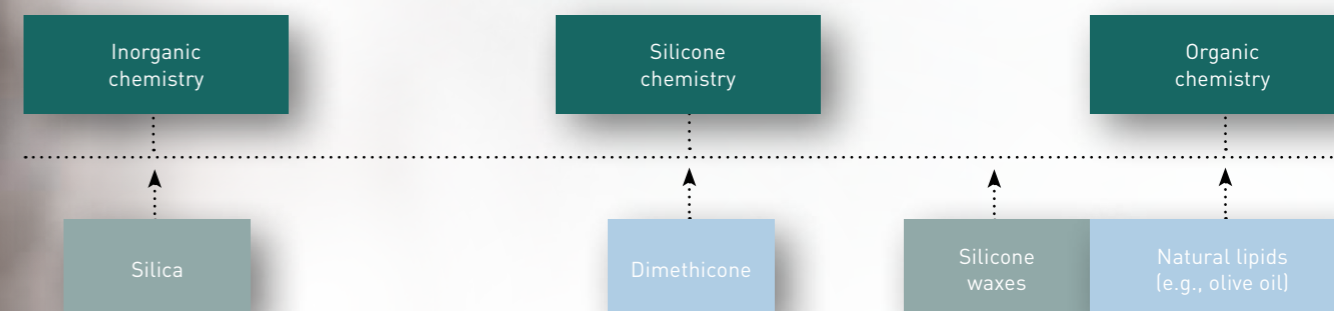
Las siliconas tienen una tensión superficial más baja que los lípidos orgánicos. Gracias a esta propiedad, los aditivos a base de silicona son ideales para mejorar el poder de esparcimiento de las formulaciones para el cuidado de la piel o para formulaciones de maquillaje. Las ceras de silicona de la CHT mejoran la solubilidad de la silicona en la fase oleosa. Las ceras de silicona de la CHT son polidimetil siloxanos modificados con grupos alquilo. Su modificación alquílica genera propiedades físicas y químicas únicas, así como un rendimiento excepcional en combinación con lípidos orgánicos.

ALKYL MODIFICATION

Classic dimethicones are not compatible with natural lipids. Alkyl modification improves the compatibility of silicone polymers with natural lipids like olive oil, enabling both components to form a stable solution.

MODIFICACIÓN ALQUÍLICA

Las dimeticonas clásicas no son compatibles con los lípidos naturales. La modificación alquílica mejora la compatibilidad de los polímeros de silicona con lípidos naturales como el aceite de oliva, permitiendo que ambos componentes formen una solución estable.

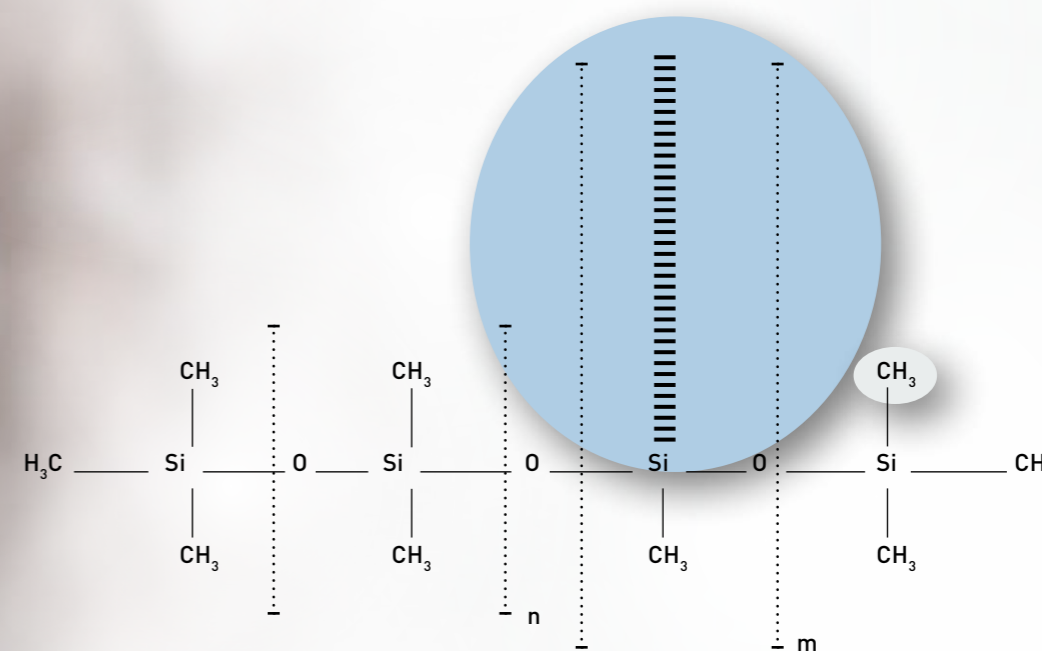


CETYL DIMETHICONE

Cetyl modification improves the solubility of polymers with organic substances such as natural lipids. The cetyl group is more effective than the smaller methyl group of standard dimethicones.

CETIL DIMETICONA

La modificación cetílica mejora la solubilidad de los polímeros con sustancias orgánicas como los lípidos naturales. El grupo cetilo es más eficaz que el grupo metilo más pequeño de las dimeticonas estándar.



Cetyl dimethicone: silicone polymer modified with C16-alkyl chains | Cetil dimeticona: polímero de silicona modificado con cadenas alquílicas C16

Additionally, in emulsions with a high content of liquid lipids, solid silicone waxes can increase the viscosity of oil droplets, enhancing the overall stability of the emulsion.

Además, en emulsiones con un alto contenido de lípidos líquidos, las ceras de silicona sólidas pueden aumentar la viscosidad de las gotas de aceite, mejorando la estabilidad total de la emulsión.

SKIN CARE | CUIDADO DE LA PIEL

YOUR EXPERT TIP: IF YOU ARE LOOKING FOR ECO-FRIENDLY SKIN CARE ADDITIVES, OUR TEAM WILL GLADLY RECOMMEND SUITABLE OPTIONS.

SU RECOMENDACIÓN DE EXPERTO: SI ESTÁ BUSCANDO ADITIVOS PARA EL CUIDADO DE LA PIEL RESPETUOSOS CON EL MEDIO AMBIENTE, NUESTRO EQUIPO ESTARÁ A SU DISPOSICIÓN PARA CUALQUIER RECOMENDACIÓN ESPECÍFICA.

| Product | INCI | Application | | | | Benefits | | | | | | | |
|----------------------------|---|-------------|-----------|----------|---------|----------------|------------------|---------------------|-------------------|-------------------|----------------|--------------------------------|-----------|
| | | Skin care | Cleansing | Sun care | Shaving | Emulsification | Water repellency | Softness/smoothness | Texture/structure | Enhance spreading | Less tackiness | Solubilizing of natural lipids | Cleansing |
| Silicone glycols | | | | | | | | | | | | | |
| BeauSil PEG 205 | PEG-12 dimethicone | ● | ● | | ● | ●● | | ● | | ● | | ● | ●● |
| BeauSil PEG 010 | PEG/PPG-15/5 dimethicone | ● | ● | | ● | ●● | | ● | | ● | | | ●●● |
| Silicone emulsifier | | | | | | | | | | | | | |
| BeauSil WAX 055 | Cetyl PEG/PPG-10/1 dimethicone | ● | | ● | | ●●● | | ●● | ● | ● | ● | ● | |
| BeauSil PEG 023 | PEG-10 dimethicone | ● | | ● | | ●●● | | | | ● | | | ● |
| Silicone waxes | | | | | | | | | | | | | |
| BeauSil WAX 020 | Cetyl dimethicone | ● | | | | | ● | ●● | | | | ● | |
| BeauSil WAX 040 | Caprylyl methicone | ● | ● | ● | ● | | | ● | | ●●● | ●●● | ●●● | ●● |
| BeauSil WAX 046 | C20-24 alkyl dimethicone (and) caprylyl methicone | ● | | ● | ● | | ●● | ●● | ●● | ● | ● | ●●● | |
| BeauSil WAX 060 | C20-24 alkyl dimethicone | ● | | ● | | | ●●● | ●● | ●●● | | | ●● | |
| BeauSil WAX 070 | Cetyl dimethicone | ● | | ● | | | ● | ● | | ●● | ●● | ●●● | |
| BeauSil WAX 069 | Stearyl dimethicone | ● | | ● | | | ●● | ●●● | ●●● | | ● | ●● | |
| Crosspolymers/gel | | | | | | | | | | | | | |
| BeauSil GEL 8014 | Dimethicone (and) dimethicone crosspolymer | ● | | ● | | | ● | ●●● | ●● | | ● | | |
| BeauSil GEL 8039 | Cyclopentasiloxane (and) dimethicone crosspolymer | ● | | ● | | | ● | ●●● | ●● | | ● | | |
| BeauSil GEL 8003 | Cyclopentasiloxane (and) dimethicone/vinyl dimethicone crosspolymer | ● | | ● | | | ● | ●●● | ●● | | ● | | |
| BeauSil GEL 8094 | Isododecane (and) dimethicone/vinyl dimethicone crosspolymer | ● | | ● | | | ● | ●●● | ●● | | ● | | |
| BeauSil GEL 8017 | C13-15 alkane (and) isododecane (and) caprylyl methicone (and) dimethicone/vinyl dimethicone crosspolymer | ● | | ● | | | ● | ●●● | ●● | | ● | | |
| BeauSil GEL 8085 | Cyclopentasiloxane (and) polysilicone-11 | ● | | ● | | | ● | ●●● | ●● | | ● | | |
| Smoothing beads | | | | | | | | | | | | | |
| BeauSil BEAD 2600 | Dimethicone (and) dimethicone/vinyl dimethicone crosspolymer | ● | | | | | | ●●● | ●●● | | | | |
| BeauSil BEAD 8100 EM | Dimethicone/vinyl dimethicone crosspolymer (and) C12-14 pareth-12 | ● | ● | ● | | | ● | ●●● | ●● | | ● | | |
| Non-ionic silicones | | | | | | | | | | | | | |
| BeauSil FLUID 8301 | C13-15 alkane (and) isododecane (and) caprylyl methicone | ● | ● | ● | ● | | | ● | | ●●● | ●●● | ● | ●●● |
| BeauSil FLUID 8199 EM | Dimethicone (and) ceteth-10 (and) laureth-4 | ● | | | | | ●● | ● | ●●● | ●● | ● | ● | |

● Good
●● Better
●●● Best

● Bueno
●● Mejor
●●● Lo mejor

COLOR COSMETICS

MAQUILLAJE

Silicone elastomer gels are an important raw material for modern high-end cosmetic products such as primers, BB creams, lip-gloss, pencils, foundations and especially skin creams.

Los geles de elastómero de silicona son una materia prima importante para los productos cosméticos modernos de alta calidad, tales como pre-maquillaje, BB creams, brillos labiales, delineadores de ojos y labios, bases de líquidas y especialmente cremas para la piel.

ADDING CROSSPOLYMERS TO A FORMULATION CAN:

- ▶ Give a cream or lotion a richer look
- ▶ Increase viscosity in the oil phase
- ▶ Improve emulsion stability
- ▶ Provide a pleasant silky feeling
- ▶ Reduce tackiness
- ▶ Provide breathability in films
- ▶ Reduce gloss on the skin into a silky matte shine
- ▶ Reduce the skin's moisture loss
- ▶ Increase water repellency
- ▶ Prolong wash-off resistance
- ▶ Boost the SPF level
- ▶ Act as a primer for makeup
- ▶ Provide a soft focus or blurring effect

SKIN FEEL

Three generations of crosspolymers, available in various solvents, allow the creation of just the right skin feel.

LA ADICIÓN DE CROSSPOLÍMEROS A UNA FORMULACIÓN PUEDE:

- ▶ Producir una crema o loción enriquecida
- ▶ Aumentar la viscosidad en la fase oleosa
- ▶ Mejorar la estabilidad de la emulsión
- ▶ Conferir una sensación sedosa y agradable
- ▶ Reducir la adhesividad
- ▶ Producir películas transpirables
- ▶ Reducir el brillo de la piel dando un matiz sedoso y mate
- ▶ Reducir la pérdida de humedad de la piel
- ▶ Aumentar la repelencia al agua
- ▶ Proporcionar una resistencia al lavado más duradera
- ▶ Aumentar el nivel de SPF
- ▶ Actuar como base de maquillaje
- ▶ Proveer un acabado más uniforme

SENSACIÓN EN LA PIEL

Tres generaciones de crosspolímeros, disponibles en varios solventes, permiten crear una perfecta sensación en la piel.

| INCI | Sensory profile | Structure |
|--|-----------------|-----------|
| Dimethicone crosspolymer | Rich | |
| Polysilicone-11 | | |
| Dimethicone/vinyl dimethicone crosspolymer | Silky | |

CHOOSING THE RIGHT SOLVENT IS IMPORTANT

The solvent of a crosspolymer determines its ultimate use and the sensory profile of the final formulation. While CHT offers tailored solvents, there are four standard options:

- ▶ Cyclopentasiloxane
- ▶ Isododecane
- ▶ Dimethicone
- ▶ C13-15 alkane, isododecane, and caprylyl methicone

ES IMPORTANTE SELECCIONAR EL SOLVENTE ADECUADO

El solvente de un crosspolímero determina su uso final y el perfil sensorial de la formulación final. La CHT ofrece solventes hechos a medida, existiendo cuatro opciones estándar:

- ▶ Ciclopentasiloxano
- ▶ Isododecano
- ▶ Dimeticona
- ▶ C13-15 alcano, isododecano y caprilil meticona

COLOR COSMETICS | MAQUILLAJE

YOUR EXPERT TIP: TO IMPROVE STORABILITY IN LIPSTICKS CONTAINING NATURAL LIPIDS, ADD A SMALL AMOUNT OF DIMETHICONE-BASED WAX TO YOUR FORMULATION.

LA RECOMENDACIÓN DEL EXPERTO: PARA AUMENTAR LA VIDA ÚTIL DE LOS LABIALES QUE CONTIENEN LÍPIDOS NATURALES, AÑADIR A SU FORMULACIÓN UNA PEQUEÑA CANTIDAD DE CERA A BASE DE DIMETICONA.

| Product | INCI | Application | | | | Benefits | | | | | | |
|----------------------------|---|-------------|----------|-------------------|-------------|----------------|-------------------------|---------------------|----------------|-------------------|------------------|-----------|
| | | Powder | Emulsion | Anhydrous formula | Nail polish | Emulsification | Dispersing/solubilizing | Softness/smoothness | Less tackiness | Texture/structure | Water repellency | Spreading |
| Silicone glycols | | | | | | | | | | | | |
| BeauSil PEG 205 | PEG-12 dimethicone | ● | ● | | ● | ●●● | ●● | ● | ● | | | ● |
| Silicone emulsifier | | | | | | | | | | | | |
| BeauSil WAX 055 | Cetyl PEG/PPG-10/1 dimethicone | | ● | ● | | ●●● | ● | ●● | ● | ● | | ● |
| BeauSil PEG 023 | PEG-10 dimethicone | | ● | | ● | ●●● | ●●● | | | | | ● |
| Silicone waxes | | | | | | | | | | | | |
| BeauSil WAX 020 | Cetyl dimethicone | | ● | ● | | | | ●● | ● | | ● | |
| BeauSil WAX 040 | Caprylyl methicone | ● | ● | ● | ● | | ●● | ● | ●●● | | | ●●● |
| BeauSil WAX 046 | C20-24 alkyl dimethicone (and) caprylyl methicone | ● | ● | ● | | | ● | ●● | ●● | ●● | ●● | ● |
| BeauSil WAX 060 | C20-24 alkyl dimethicone | ● | ● | ● | | | | ●●● | ● | ●●● | ●●● | |
| BeauSil WAX 070 | Cetyl dimethicone | ● | ● | ● | ● | | ●● | ● | ●● | | | ●● |
| BeauSil WAX 069 | Stearyl dimethicone | ● | ● | ● | | | ● | ● | ●● | ●● | ●●● | ● |
| Crosspolymers/gel | | | | | | | | | | | | |
| BeauSil GEL 8014 | Dimethicone (and) dimethicone crosspolymer | ● | ● | ● | | | ● | ●●● | ●●● | ●● | ● | |
| BeauSil GEL 8039 | Cyclopentasiloxane (and) dimethicone crosspolymer | ● | ● | ● | | | ● | ●●● | ●●● | ●● | ● | |
| BeauSil GEL 8003 | Cyclopentasiloxane (and) dimethicone/vinyl dimethicone crosspolymer | ● | ● | ● | | | ● | ●●● | ●●● | ●● | ● | |
| BeauSil GEL 8094 | Isododecane (and) dimethicone/vinyl dimethicone crosspolymer | ● | ● | ● | | | ● | ●●● | ●●● | ●● | ● | |
| BeauSil GEL 8017 | C13-15 alkane (and) isododecane (and) caprylyl methicone (and) dimethicone/vinyl dimethicone crosspolymer | ● | ● | ● | | | ● | ●●● | ●●● | ●● | ● | |
| BeauSil GEL 8085 | Cyclopentasiloxane (and) polysilicone-11 | ● | ● | ● | | | ● | ●●● | ●●● | ●● | ● | |
| Smoothing beads | | | | | | | | | | | | |
| BeauSil BEAD 2600 | Dimethicone (and) dimethicone/vinyl dimethicone crosspolymer | ● | ● | ● | | | | ●●● | ● | ●●● | | |
| BeauSil BEAD 8100 EM | Dimethicone/vinyl dimethicone crosspolymer (and) C12-14 pareth-12 | ● | ● | ● | | | | ●●● | ● | ●● | ● | |
| Non-ionic silicones | | | | | | | | | | | | |
| BeauSil FLUID 8301 | C13-15 alkane (and) isododecane (and) caprylyl methicone | ● | ● | ● | ● | | | ●●● | ● | ●●● | | ●●● |

SUSTAINABLE SOLUTIONS

SOLUCIONES SOSTENIBLES

Sustainability is an important part of the CHT Group's commitment and promise to always deliver Smart Chemistry with Character. As in all business fields, our silicone experts work hard on finding sustainable solutions.

La sostenibilidad forma parte del empeño y el compromiso del grupo CHT de siempre brindar «Smart Chemistry with Character». Al igual que en todas las áreas de negocio, nuestros expertos en siliconas trabajan duro para encontrar soluciones sostenibles.

SILICONE: THE SWEET SUSTAINABLE SOLUTION FOR PERSONAL CARE

The sweet silicone product line by CHT is based on sugar modification technology. The sugar compounds are sourced from natural products like sugarcane. The sweet cyclopentasiloxane alternative BeauSil FLUID 8301 is an ideal raw material for many personal care formulations. It also provides the base for other products like BeauSil GUM 8501 or BeauSil GEL 8017. The cationic silicones BeauSil AMO 902 and BeauSil AMO 918 are products of a sugar and amodimethicone reaction that is patented by CHT. BeauSil QUAT 211 is a special microemulsion using sugar surfactants to create a unique product for unique performance. All products are free from cyclic silicones (below 0.1%), MIT/BIT, and BPA, and are already meeting tomorrow's sustainability expectations.

SILICONA: LA DULCE SOLUCIÓN SOSTENIBLE PARA EL CUIDADO PERSONAL

La línea dulce de productos de silicona de la CHT se basa en la tecnología de modificación de azúcar. Los compuestos de azúcar se basan en productos naturales como la caña de azúcar. La alternativa dulce al ciclopentasiloxano, el BeauSil FLUID 8301, es una materia prima ideal para muchas formulaciones del cuidado personal. También es la base para otros productos como el BeauSil GUM 8501 o el BeauSil GEL 8017. Las siliconas catiónicas BeauSil AMO 902 y BeauSil AMO 918 son productos de una reacción de azúcar y amodimeticona patentada por la CHT. El BeauSil QUAT 211 es una microemulsión especial que utiliza tensioactivos de azúcar para crear un producto único en su género para un rendimiento igualmente único. Todos los productos están libres de siliconas cíclicas (por debajo del 0,1%), MIT/BIT, BPA y ya cumplen con las expectativas sostenibles del mañana.

| Product | INCI |
|--------------------|--|
| BeauSil FLUID 8301 | C13-15 alkane [and] isododecane [and] caprylyl methicone |
| BeauSil GUM 8501 | C13-15 alkane [and] isododecane [and] dimethiconol [and] caprylyl methicone |
| BeauSil GEL 017 | C13-15 alkane [and] isododecane [and] dimethicone/vinyl dimethicone crosspolymer [and] caprylyl methicone |
| BeauSil AMO 902 | Gluconamidopropyl amino propyl dimethicone |
| BeauSil AMO 918 | Gluconamido amodimethicone [and] trideceth-7 [and] trideceth-8 |
| BeauSil QUAT 211 | Silicone quaternium-17 [and] PEG-7 glyceryl cocoate [and] caprylyl/capryl glucoside [and] lauryl glucoside |



| INCI | Product |
|--|-----------------------|
| Amodimethicone | BeauSil AMO 804 |
| Amodimethicone | BeauSil AMO 808 |
| Gluconamidopropyl aminopropyl dimethicone | BeauSil AMO 902 |
| Gluconamido amodimethicone (and) trideceth-7 (and) trideceth-8 | BeauSil AMO 918 |
| Amodimethicone (and) trideceth-12 (and) cetrimonium chloride | BeauSil AMO 8950 EM |
| Dimethicone (and) laureth-4 (and) laureth-23 | BeauSil FLUID 8169 EM |
| Dimethicone (and) trideceth-6 (and) trideceth-12 | BeauSil FLUID 8178 EM |
| Dimethicone (and) ceteth-10 (and) laureth-4 | BeauSil FLUID 8199 EM |
| C13-15 alkane (and) isododecane (and) caprylyl methicone | BeauSil FLUID 8301 |
| Cyclopentasiloxane (and) dimethicone/vinyl dimethicone crosspolymer | BeauSil FLUID 8003 |
| Dimethicone (and) dimethicone crosspolymer | BeauSil GEL 8014 |
| C13-15 alkane (and) isododecane (and) caprylyl methicone (and) dimethicone/vinyl dimethicone crosspolymer | BeauSil GEL 8017 |
| Cyclopentasiloxane (and) dimethicone crosspolymer | BeauSil GEL 8039 |
| Cyclopentasiloxane (and) polysilicone-11 | BeauSil GEL 8085 |
| Isododecane (and) dimethicone/vinyl dimethicone crosspolymer | BeauSil GEL 8094 |
| Dimethicone/vinyl dimethicone crosspolymer (and) C12-14 pareth-12 | BeauSil BEAD 8100 EM |
| Dimethicone (and) dimethicone/vinyl dimethicone crosspolymer | BeauSil BEAD 2600 |
| Dimethiconol (and) TEA-dodecylbenzenesulfonate | BeauSil GUM 8178 EM |
| C13-15 alkane (and) isododecane (and) caprylyl methicone (and) dimethiconol | BeauSil GUM 8501 |
| Dimethicone (and) dimethiconol | BeauSil GUM 8503 |
| Dimethicone (and) dimethiconol | BeauSil GUM 8547 |
| Cyclopentasiloxane (and) dimethiconol | BeauSil GUM 8548 |
| PEG/PPG-15/5 dimethicone | BeauSil PEG 010 |
| PEG-10 dimethicone | BeauSil PEG 023 |
| PEG-12 dimethicone | BeauSil PEG 205 |
| Quaternium-80 | BeauSil QUAT 255 |
| Silicone quaternium-17 (and) PEG-7 glyceryl cocoate (and) caprylyl/capryl glucoside (and) lauryl glucoside | BeauSil QUAT 211 |
| Cetyl dimethicone | BeauSil WAX 020 |
| Caprylyl methicone | BeauSil WAX 040 |
| C20-24 alkyl dimethicone (and) caprylyl methicone | BeauSil WAX 046 |
| Cetyl PEG/PPG-10/1 dimethicone | BeauSil WAX 055 |
| C20-24 alkyl dimethicone | BeauSil WAX 060 |
| Stearyl dimethicone | BeauSil WAX 069 |
| Cetyl dimethicone | BeauSil WAX 070 |

**ACTIVATE
YOUR SILICONE
EXPERTS
TODAY**

Contact us to assist you in finding the best solution. No job is too small and no task too complex for our experts.
Challenge us!

Contáctenos para ayudarle a encontrar la mejor solución. Ningún trabajo es demasiado pequeño y ninguna tarea es demasiado compleja para nuestros expertos.
Challenge us!

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