



PERFORMANCE INSPIRED INGENUITY

# Innovating the future of personal care

Precision performance for personal care formulators



# Helping formulators create what's next in personal care

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Privately held and family-owned, Siltech is the only Canadian producer of silicone surfactants and polymers specifically created to enhance personal care products.

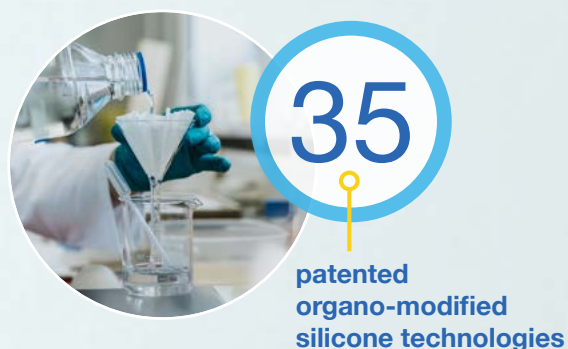
Our experienced and versatile sales and technical teams match advanced silicone chemistries with the benefits you—and your customers—require. We are committed to helping you achieve your goals: meeting regulations, replacing commodity shortages, improving existing product lines, and expanding your portfolio to meet the evolving needs and desires of consumers.

Our expert chemists and applications specialists offer collaborative technical support to solve formulation challenges, create novel molecules that deliver new levels of performance, and accelerate the path from concept through commercialization.

With three state-of-the-art manufacturing facilities strategically located in southeastern Canada and a global sales and distribution network, we have the robust capacity and advanced capabilities to help you stay at the forefront of the latest trends and technologies—and succeed in the growing personal care market.

**Since 1990, we have partnered with formulators to drive innovation for a broad range of applications, including:**

Skin care  
Sun care  
Colour cosmetics  
Hair care  
Body wash  
Hand sanitizer



## Looking for a custom ingredient not listed here?

We can help you develop unique formulations that deliver the right combination of properties to make your vision a reality—whether you want to enhance an existing product or create new ones. Talk to our sales team to explore the endless possibilities.

# Proven scale, proven capabilities

Siltech owns and operates three world-class manufacturing facilities in Ontario, Canada. Each are strategically located for easy access to the US and international shipping routes and feature advanced manufacturing equipment.

From initial lab samples to full-scale commercial runs of 20,000 kg, our production capabilities ensure we can support your projects from concept through commercialization.



## SILTECH CORPORATE HEADQUARTERS TORONTO

225 Wicksteed Ave., Toronto, ON M4H 1G5, Canada

- 5,110 m<sup>2</sup>
- High- and low-temp reactors up to 22,000 liters
- Glass-lined reactors up to 15,000 liters
- Thin-film evaporator, pilot reactors, colloid mills
- High-viscosity reactors



## MISSISSAUGA

3265 Wolfedale Rd., Mississauga, ON L5C 1V8, Canada

- 12,800 m<sup>2</sup>
- High- and low-temp reactors up to 30,000 liters
- Bulk loading: truck and rail
- Short-path thin-film evaporator
- Pilot reactors



## FORT ERIE

1700 Pettit Rd., Fort Erie, ON L2A 5M4, Canada

- 16,700 m<sup>2</sup>
- High- and low-temp reactor capacity up to 22,000 liters
- 5 high-temp stainless steel reactors, 1 with high-viscosity mixing capability (up to 100,000 cP)
- 6 low-temp stainless steel reactors
- GMP-certified wing

# Personal care, personal service

At Siltech, our customers are our highest priority. We're dedicated to understanding your goals and helping you achieve them in the most effective and efficient way possible—with a nimble organizational structure that enables rapid customer support.

We offer tailored solutions that enhance consumer experiences and elevate your brand. We've helped many of our customers expand their offerings, break into new categories and markets, and grow their business by sharing our extensive knowledge of industry and consumer trends, applications, regulatory requirements, and more.

When you partner with Siltech, we will closely collaborate with you to create personal care products consumers prefer. Rely on us to respond quickly to your needs with the right ingredients, personalized service, and accessible expertise.

“We work very closely with our customers to understand exactly what they want to achieve.”

- Dag Enhorning  
President, Siltech Corporation



## AT SILTECH, INNOVATION AND SUSTAINABILITY GO HAND IN HAND

We invest heavily in R&D to create groundbreaking silicone technologies while prioritizing eco-friendly practices across all our operations.

And with innovations like our biobased Sustain series of specialty silicone ingredients, we can help you meet your sustainability goals while satisfying consumer preferences for natural and renewable ingredients.

- ISO 14001 & ISO 9001 certified processes
- Manufacturing facilities feature clean energy & solvent recycling

Looking for a **custom product**? Contact our sales team today.

# Modern chemistry, timeless beauty

Siltech continuously monitors changing consumer preferences, attitudes, and behaviors, so we can help you create high-performing, highly marketable personal care formulations that will set your brand apart.

Here are a few examples of the trends shaping the beauty and personal care landscape, and how Siltech can help you stay in step with them.

### Modern takes on the “no makeup” look

Many consumers are embracing their natural beauty, favoring lightweight products over heavy coverage. Siltech chemists can provide highly effective chemistries that enhance their beauty routines while maintaining a fresh, effortless appearance.

### Celebrating natural hair textures

For individuals with curly, coily, or kinky hair, the trend is to focus on nourishing, moisturizing, and treating hair gently to enhance its overall health. Our team can help you develop specialized products formulated for a broad range of hair types, promoting customized and authentic personal care.

### A new era of self-care

Consumers are increasingly incorporating products that enhance their well-being into their everyday personal care routines. Siltech can help you meet their needs with personalized skin care, hair care, and cosmetic formulations with substantiated, effective results.

### Sensory beauty: a more mindful approach

Sensory beauty has transformed the personal care industry with multidimensional experiences that captivate the senses. Siltech can help you formulate products with pleasing scents and textures designed to alleviate stress, support relaxation, and promote mindfulness during self-care routines.

## Beauty is boundless—and so are your possibilities

In the personal care industry, diversity and inclusivity now extend beyond ranges of shades, textures, and fragrances to empower self-expression and self-care—with brands striving to meet the unique requirements of each consumer.

Consumers are seeking skin and hair products that not only make them look good, but also reflect and reinforce healthy attitudes, lifestyle choices, and even nutrition—while seamlessly integrating into their daily personal care regimens.

Siltech can help you embrace this holistic approach. With your goals and markets in mind, we’ll combine our expert knowledge and advanced technologies to bring your customers’ individual visions of beauty to life.



### MULTIPLE BENEFITS, MAXIMUM PERFORMANCE

We can deliver the combination of physical and sensory properties you require to match the dynamic needs of the personal care market, including:

|                             |
|-----------------------------|
| CONDITIONING                |
| EXTENDED WEAR               |
| DISPERSION                  |
| WETTING                     |
| SHINE                       |
| ESSENTIAL OIL INCORPORATION |
| EMULSIFICATION              |
| SOFTNESS                    |
| AMAZING AFTER-FEEL          |

| SILTECH PRODUCT BENEFITS GUIDE |                                                                 | Conditioning | Wet Comb | Dry Comb | Wetting | Shine/Gloss | Foaming | Spreadability | Emulsification | Softness | Moisturization | Lubricity | Cushion | Volatile D4/ D5 Replacement | SPF-Boosting Potential | Extended Wear | Pigment Dispersion |
|--------------------------------|-----------------------------------------------------------------|--------------|----------|----------|---------|-------------|---------|---------------|----------------|----------|----------------|-----------|---------|-----------------------------|------------------------|---------------|--------------------|
| PRODUCT                        | INCI NAME                                                       |              |          |          |         |             |         |               |                |          |                |           |         |                             |                        |               |                    |
| Silamine MUE-2                 | Amodimethicone                                                  | •••          | ••       | ••       |         |             |         |               |                | •        |                |           |         |                             |                        |               |                    |
| Siltech E-2148                 | Amodimethicone (and) Trideceth-12 (and) Cetrimonium Chloride    | •••          | ••       | ••       | •       |             |         |               |                | •        |                |           |         |                             |                        |               |                    |
| Silamine 2972                  | BIS-Aminopropyl Dimethicone                                     | •••          | ••       | ••       |         |             |         |               |                |          |                |           |         |                             |                        |               |                    |
| Silmer UR-5050                 | BIS-Hydroxypropyl Dimethicone/ SMDI Copolymer                   | •            |          |          |         | •           |         |               |                | ••       |                |           | •       |                             |                        | •••           |                    |
| Silsurf Di-T108                | BIS-PEG-8 PEG-8 Dimethicone                                     | ••           | •        | •        |         |             | •••     |               |                | •        |                | •         |         |                             |                        |               |                    |
| Silsurf Di-2012                | BIS-PEG-12 Dimethicone                                          |              |          |          | •••     |             | •••     |               |                | ••       |                | •         |         |                             |                        |               |                    |
| Silsurf Di-5018-F              | BIS-PEG/PPG-18/6 Dimethicone                                    | •••          |          |          | ••      |             | ••      |               |                | •••      |                | ••        |         |                             |                        |               |                    |
| Silmer Sustain-H               | C13-15 Alkane (and) Dimethicone/ Vinyl Dimethicone Crosspolymer |              |          |          |         |             |         | •••           |                | •••      | •••            | •         | •••     |                             |                        |               |                    |
| Silwax J1032                   | C32 Alkyl Dimethicone                                           |              |          |          |         |             |         |               |                |          |                |           |         |                             | •••                    |               | •••                |
| Siltech 108                    | Caprylyl Methicone (and) Dimethiconol                           | •••          |          |          |         | •           |         | ••            |                | •        |                |           |         |                             |                        |               |                    |
| Silwax B116                    | Cetyl Dimethicone                                               |              |          |          |         | ••          |         | •••           |                | •        | •              |           | ••      |                             | ••                     |               |                    |
| Silube T308-16-CG              | Cetyl PEG/PPG-10/1 Dimethicone                                  |              | ••       |          |         |             |         |               | •••            |          |                | •         |         |                             |                        |               |                    |
| Silmer G-165-F5                | Dimethicone (and) Dimethicone Crosspolymer                      |              |          |          |         |             |         | •••           |                | •••      |                |           | ••      |                             |                        |               |                    |
| Silmer G-162-F5                | Dimethicone (and) Dimethicone/ Vinyl Dimethicone Crosspolymer   |              |          |          |         | •••         |         | •••           |                | ••       |                |           | ••      |                             |                        |               |                    |
| Silmer G-162-F5-M              | Dimethicone (and) Dimethicone/ Vinyl Dimethicone Crosspolymer   |              |          |          |         |             |         | •••           |                | ••       |                |           | ••      |                             |                        |               |                    |
| Siltech 1050                   | Dimethicone (and) Dimethiconol                                  | •••          |          |          |         | •           |         | •••           |                | ••       | •              | •••       |         |                             |                        |               |                    |
| Siltech 132                    | Dimethicone (and) Ethyl Trisiloxane (and) Dimethiconol          | •••          |          |          |         | ••          |         | •••           |                | ••       |                | •••       |         |                             |                        |               |                    |
| Silwax D02                     | Ethyl Methicone                                                 |              |          |          | •       |             |         | ••            |                |          |                | •         |         | •••                         |                        |               |                    |

••• MAIN BENEFIT •• SECONDARY BENEFIT • ADDITIONAL BENEFIT

| SILTECH PRODUCT BENEFITS GUIDE |                                                                                      | Conditioning | Wet Comb | Dry Comb | Wetting | Shine/Gloss | Foaming | Spreadability | Emulsification | Softness | Moisturization | Lubricity | Cushion | Volatile D4/ D5 Replacement | SPF-Boosting Potential | Extended Wear | Pigment Dispersion |
|--------------------------------|--------------------------------------------------------------------------------------|--------------|----------|----------|---------|-------------|---------|---------------|----------------|----------|----------------|-----------|---------|-----------------------------|------------------------|---------------|--------------------|
| PRODUCT                        | INCI NAME                                                                            |              |          |          |         |             |         |               |                |          |                |           |         |                             |                        |               |                    |
| Silwax A02                     | Ethyl Trisiloxane                                                                    |              |          |          | •       |             |         | •••           |                |          |                | ••        |         | •••                         |                        |               |                    |
| Silmer Q7-IDD                  | Isododecane (and) Trimethylsiloxysilicate                                            |              |          |          |         | •           |         |               |                |          |                |           |         | ••                          |                        | •••           |                    |
| Silmer Q7-G10                  | Isododecane (and) Trimethylsiloxysilicate/ Dimethiconol Crosspolymer                 |              |          |          | •       |             |         | ••            |                |          |                | •         |         |                             |                        | •••           |                    |
| Silube J208-812-CG             | Lauryl PEG-8 Dimethicone                                                             |              |          |          |         |             |         |               | •••            |          |                | ••        |         |                             |                        |               | •                  |
| Silsurf J208                   | PEG-8 Dimethicone                                                                    |              |          |          | •••     |             |         |               | ••             | •        |                |           |         |                             |                        |               |                    |
| Silsurf Di-1010                | PEG-10 Dimethicone                                                                   |              |          |          |         |             | ••      |               | •              |          |                | •         |         |                             |                        |               |                    |
| Silsurf D212-CG                | PEG-12 Dimethicone                                                                   |              |          |          | ••      |             | •••     |               | •              | •        |                |           |         |                             |                        |               |                    |
| Siltech PTM                    | Phenyl Trimethicone                                                                  |              |          |          |         | •••         |         | ••            |                |          | ••             |           |         |                             | •                      |               |                    |
| Silgloss 3H-MS                 | Phenylisopropyl Dimethicone                                                          |              |          |          |         | •••         |         | ••            |                |          |                | •         | •       |                             | •                      |               |                    |
| Silgloss D0-MS                 | Phenylisopropyl Dimethicone                                                          |              |          |          |         | •••         |         | ••            |                |          |                | •         | •       |                             | •                      |               |                    |
| Silube PCH2                    | Polyglyceryl-4 Isostearate (and) Cetyl PEG/ PPG-10/1 Dimethicone (and) Hexyl Laurate |              |          |          |         |             |         |               | •••            |          |                |           |         |                             |                        |               | •••                |
| Silmer QT9-30-CG               | Polymethylsilsesquioxane (and) Isododecane                                           |              |          |          | ••      |             |         |               |                |          |                |           |         |                             |                        | •••           |                    |
| Silquat Di-30-F4D              | Quaternium-80                                                                        | •••          | •••      | •••      |         |             |         |               |                | ••       |                |           |         |                             |                        |               |                    |
| SilPlex J2-S-PG                | Silicone Quaternium-20 (and) Propylene Glycol                                        | •••          | ••       | •        | •       | •           |         |               |                | •        |                |           |         |                             |                        | •••           |                    |
| Silwax G118                    | Stearyl Dimethicone                                                                  |              |          |          |         | •           |         | •••           |                | ••       |                | •         |         |                             |                        |               |                    |
| Silube 316                     | TMP Lauryl Dimethicone                                                               |              |          |          |         |             |         | •             | •••            |          |                |           |         |                             |                        |               | •••                |
| Silmer Q25                     | Trimethylsiloxysilicate                                                              | •••          | •        | •        | •       |             |         | •             |                | •        | •              | ••        |         |                             |                        |               |                    |
| Siltech Sustain CE-2000        | Trioctyldodecyl Citrate                                                              |              |          |          | •       |             |         | ••            |                |          | •              | •         | •       |                             |                        |               | •••                |

• ADDITIONAL BENEFIT

• SECONDARY BENEFIT

•• MAIN BENEFIT

## SUSTAIN SERIES | Biobased silicones for enhanced sustainability

| PRODUCT                        | INCI NAME                                                       | CHEMICAL DESCRIPTION                 | PHYSICAL FORM & VISCOSITY OR MELT POINT | BIOBASED CARBON CONTENT | TYPICAL APPLICATIONS                  | BENEFITS                                                                                                                                                                                                 |
|--------------------------------|-----------------------------------------------------------------|--------------------------------------|-----------------------------------------|-------------------------|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Silmer Sustain-H</b>        | C13-15 Alkane (and) Dimethicone/ Vinyl Dimethicone Crosspolymer | Silicone Elastomer Gel               | Clear gel, 550,000 cP                   | 90%                     | Makeup<br>Sun Care<br>Hair Care       | Silicone elastomer gel dispersed in a renewable, sustainable hemisqualane carrier. Pigment and powder dispersant that adds cushion and provides a long playtime on skin.                                 |
| <b>Silwax Sustain 5116</b>     | Cetyl Dimethicone                                               | Alkyl Polydimethylsiloxane           | Clear liquid, 25 cP                     | 82%                     | Sun Care<br>Lipstick                  | Low viscosity, aids in white-cast reduction, and helps boost SPF. A more sustainable version of the standard Silwax B116.                                                                                |
| <b>Silube Sustain 4316</b>     | Cetyl PEG/PPG-10/1 Dimethicone                                  | Silicone Alkyl Polyether             | Clear liquid, 1,800 cP                  | 73%                     | Makeup<br>Sun Care<br>Cream<br>Lotion | A (W/O) emulsifier with an approximate HLB of 3. A more sustainable version of the standard Silube T308-16-CG.                                                                                           |
| <b>Silube Sustain-S</b>        | Gluconamido Lauryl Dimethicone (and) Isoamyl Laurate            | Glucose-Modified Aminoalkyl Silicone | Hazy orange liquid, 7,500 cP            | (N/A)                   | Makeup<br>Cream<br>Lotion             | Versatile emulsifier suitable for (W/O) and (O/W) emulsions. Ideal for pigment dispersion in makeup and sunscreen.                                                                                       |
| <b>Silsurf Sustain Di-1010</b> | PEG-10 Dimethicone                                              | Silicone Polyether                   | Hazy liquid, 225 cP                     | 66%                     | Hydro-alcoholic<br>Hand<br>Sanitizer  | Improved sustainability PEG-10 dimethicone surfactant suitable for (O/W) emulsions and foaming hydro-alcoholic hand sanitizers.                                                                          |
| <b>Siltech Sustain CE-2000</b> | Trioctyldodecyl Citrate                                         | Guerbet Ester                        | Clear liquid, 200 cP                    | 100%                    | Lipstick<br>Skin Care<br>Sun Care     | Noncomedogenic citrate ester that excels as an inorganic UV filter dispersant and SPF booster. Excellent oil-soluble pigment dispersant that adds cushion and emolliency with unique wetting properties. |



## SILICONE POLYETHERS | Silicone compounds with enhanced water solubility

| PRODUCT                  | INCI NAME                           | CHEMICAL DESCRIPTION               | PHYSICAL FORM & VISCOSITY OR MELT POINT | TYPICAL APPLICATIONS                                   | BENEFITS                                                                                                                                                                                                                                                                                    |
|--------------------------|-------------------------------------|------------------------------------|-----------------------------------------|--------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Silsurf Di-T108</b>   | BIS-PEG-8<br>PEG-8<br>Dimethicone   | Silicone<br>Polyether<br>Copolymer | Clear liquid,<br>1,700 cP               | Shampoo<br>Body Wash                                   | Mild surfactant rendering excellent cleansing and luxurious foam. Cleansing properties are similar to sodium laureth sulfate (SLES). Considered mild and non-irritating to the skin when used in personal care applications such as hair care and body wash.                                |
| <b>Silsurf Di-2012</b>   | BIS-PEG-12<br>Dimethicone           | Silicone<br>Polyether<br>Copolymer | Clear to hazy<br>liquid, 350 cP         | Hand<br>Sanitizers                                     | Effective in foaming various alcohols such as ethanol and isopropanol. Often incorporated into alcohol-based foaming hand sanitizers.                                                                                                                                                       |
| <b>Silsurf Di 5018-F</b> | BIS-PEG/PPG-<br>18/6 Dimethicone    | Polyether<br>Siloxane<br>Copolymer | Clear liquid,<br>3,100 cP               | Shampoo<br>Body Wash                                   | Mild surfactant provides lubricity, foam and softness to cleansing applications.                                                                                                                                                                                                            |
| <b>Silwax WD-IS</b>      | Dimethicone<br>PEG-7<br>Isostearate | Silicone<br>Isostearate            | Clear liquid,<br>200 cP                 | Shampoo<br>Conditioner<br>Body Wash                    | Water-dispersible silicone ester. Provides lubricity, improved wet comb, and conditioning. Recommended for hair care and body wash applications.                                                                                                                                            |
| <b>Silwax WS-L</b>       | Dimethicone<br>PEG-8 Laurate        | Silicone<br>Laurate                | Clear liquid,<br>200 cP                 | Shampoo<br>Conditioner<br>Body Wash<br>Cream<br>Lotion | Water-soluble silicone ester. Provides good conditioning and gloss to hair without the traditional buildup of oily conditioners. Compatible with a wide range of surfactants. Reduces tack and soapy feel of deodorant sticks. Helps in reducing tack and stickiness in creams and lotions. |
| <b>Silsurf J208</b>      | PEG-8<br>Dimethicone                | Silicone<br>Polyether              | Clear liquid,<br>600 cP                 | Shampoo<br>Conditioner<br>Body Wash                    | High-molecular-weight, water-soluble silicone. Provides good conditioning and skin feel. Recommended for body wash applications.                                                                                                                                                            |
| <b>Silsurf I108</b>      | PEG-8<br>Dimethicone                | Silicone<br>Polyether<br>Copolymer | Clear liquid,<br>1,700 cP               | Makeup                                                 | Highly water-soluble surfactant and pigment dispersant. Unique vs other PEG-8 dimethicones because of a high degree of incorporation of polyether chains.                                                                                                                                   |
| <b>Silsurf B2010</b>     | PEG-10<br>Dimethicone               | Silicone<br>Polyether              | Clear to hazy<br>liquid, 800 cP         | Hair Care<br>Lotion                                    | PEG-10 dimethicone surfactant used for (W/O) and silicone-in-water (Si/W) emulsions with an approximate HLB of 4.                                                                                                                                                                           |
| <b>Silsurf D212-CG</b>   | PEG-12<br>Dimethicone               | Silicone<br>Polyether              | Clear liquid,<br>320 cP                 | Shampoo<br>Conditioner<br>Body Wash                    | Low-odour, water-soluble silicone. Provides transient conditioning while reducing skin irritation of surfactants.                                                                                                                                                                           |
| <b>Silsurf CR 1115</b>   | PEG/PPG-18/18<br>Dimethicone        | Silicone<br>Polyether              | Clear liquid,<br>5,000 cP               | Shampoo<br>Conditioner<br>Body Wash                    | High-molecular-weight silicone polyether. Excellent (O/W) emulsifier for makeup and sunscreens. Used as a hair detangler. Reduces tackiness in various formulas.                                                                                                                            |



Looking for a **custom product**? Contact our sales team today.

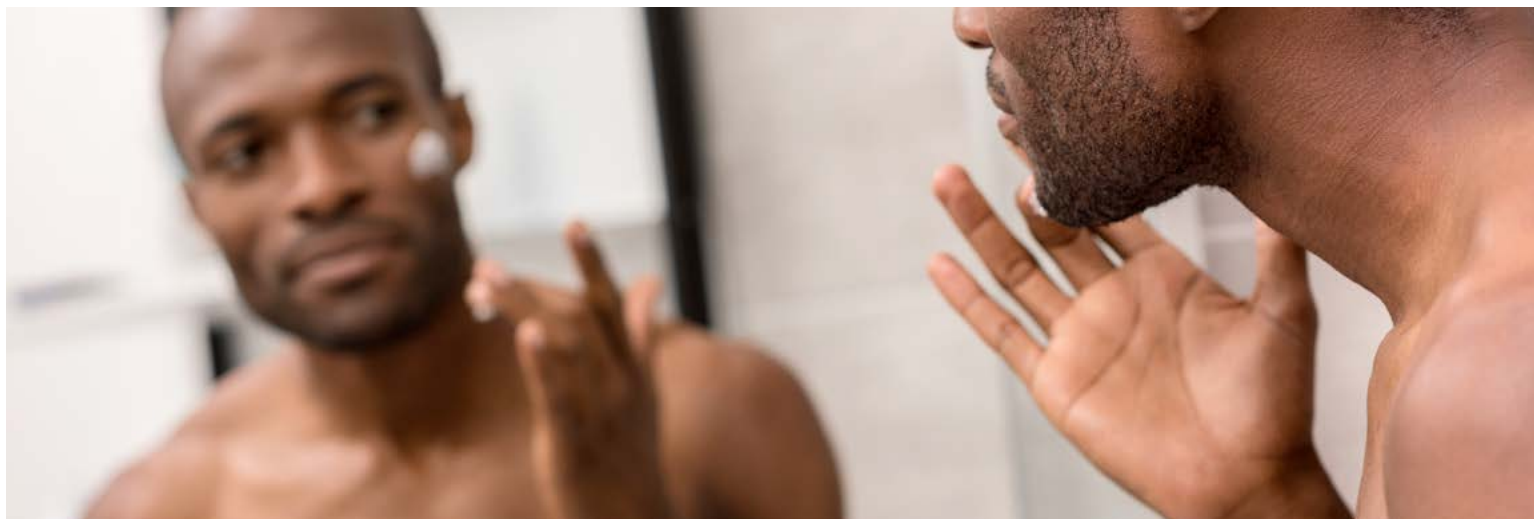
## SILICONE WETTING AGENTS | Improve spreadability & aesthetics

| PRODUCT             | INCI NAME         | CHEMICAL DESCRIPTION | PHYSICAL FORM & VISCOSITY OR MELT POINT | TYPICAL APPLICATIONS   | BENEFITS                                                                                                       |
|---------------------|-------------------|----------------------|-----------------------------------------|------------------------|----------------------------------------------------------------------------------------------------------------|
| <b>Silsurf B208</b> | PEG-8 Dimethicone | Silicone Polyether   | Clear liquid, 150 cP                    | Skin Care<br>Hair Care | These PEG-8 dimethicone compounds are designed to provide outstanding wetting for skin and hair care products. |
| <b>Silsurf C208</b> | PEG-8 Dimethicone | Silicone Polyether   | Clear liquid, 200 cP                    | Skin Care<br>Hair Care |                                                                                                                |

## GUM BLENDS | Provide enhanced sensory experience, easy to incorporate & highly versatile

| PRODUCT             | INCI NAME                                              | CHEMICAL DESCRIPTION                         | PHYSICAL FORM & VISCOSITY OR MELT POINT       | TYPICAL APPLICATIONS   | BENEFITS                                                                                                                                                                                                                                                   |
|---------------------|--------------------------------------------------------|----------------------------------------------|-----------------------------------------------|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Siltech 108</b>  | Caprylyl Methicone (and) Dimethiconol                  | High-viscosity Silanol in Caprylyl Methicone | Clear to slightly hazy liquid, 5,000-8,000 cP | Hair Care<br>Skin Care | Can be used in hair care formulations to provide excellent shine, smoothness, and lightness. Also useful in skin care, sun care, and colour cosmetics formulations to provide a dry feel, reduce tackiness, and modify the rheology.                       |
| <b>Siltech 110</b>  | Dimethicone (and) Dimethiconol                         | Silicone Gum in Dimethicone                  | Clear liquid, 2,500 cP                        | Cream<br>Lotion        | Non-occlusive and highly lubricious when applied to hair and skin. Provides a dry feel for antiperspirants. Recommended for use in hand lotions and other applications where a soft, smooth feel is desired. Excellent detangler for ethnic hair products. |
| <b>Siltech 1050</b> | Dimethicone (and) Dimethiconol                         | Silicone Gum in Dimethicone                  | Clear liquid, 6,000 cP                        | Cream<br>Lotion        | Non-occlusive and highly lubricious when applied to hair and skin. Provides a dry feel for antiperspirants. Recommended for use in hand lotions and other applications where a soft, smooth feel is desired. Excellent detangler for ethnic hair products. |
| <b>Siltech 132</b>  | Dimethicone (and) Ethyl Trisiloxane (and) Dimethiconol | High-viscosity Silanol in Dimethicone        | Clear to slightly hazy liquid, 200 cP         | Hair Care<br>Skin Care | Designed to replace blends of dimethiconol in cyclopentasiloxane in hair care formulations, providing excellent shine, smoothness, and lightness. Can also be used in skin care, sun care, and colour cosmetics formulations.                              |

**Please note:** All gum blends are available in IDD.



Looking for a **custom product**? Contact our sales team today.

## SILICONE ELASTOMER GELS | Moisturization, cushion & barrier properties

| PRODUCT                  | INCI NAME                                                                                           | CHEMICAL DESCRIPTION                                    | PHYSICAL FORM & VISCOSITY OR MELT POINT             | TYPICAL APPLICATIONS                                         | BENEFITS                                                                                                                                             |
|--------------------------|-----------------------------------------------------------------------------------------------------|---------------------------------------------------------|-----------------------------------------------------|--------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Silmer G-162Q</b>     | Cyclopentasiloxane (and) Dimethicone/ Vinyl Dimethicone Crosspolymer (and) Trimethylsiloxy silicate | Silicone Elastomer Gel with Resin in Cyclopentasiloxane | Clear to translucent smooth gel, 650,000 cP         | Cream<br>Lotion<br>Sun Care<br>Makeup                        | Modified version of Silmer G-162 with a softer, powdery, and silky feel. Provides transfer resistance to lipsticks and other pigmented products.     |
| <b>Silmer G-165-F5</b>   | Dimethicone (and) Dimethicone Crosspolymer                                                          | Silicone Elastomer Gel in Dimethicone                   | Clear to translucent smooth gel, 200,000-300,000 cP | Lipstick<br>Eye Shadow<br>Cream<br>Foundation<br>Body Lotion | Used across many personal care formulations to create a dry, soft, powdery, silky skin feel.                                                         |
| <b>Silmer G-162-F5</b>   | Dimethicone (and) Dimethicone/ Vinyl Dimethicone Crosspolymer                                       | Silicone Elastomer Gel in Dimethicone                   | Clear to translucent smooth gel, 700,000 cP         | Makeup<br>Cream<br>Lotion<br>Sun Care                        | Modified version of Silmer G-162 in a low-viscosity dimethicone fluid. Ideal for delivering a radiant shine in a finished formulation.               |
| <b>Silmer G-162-F5-M</b> | Dimethicone (and) Dimethicone/ Vinyl Dimethicone Crosspolymer                                       | Silicone Elastomer Gel in Dimethicone                   | Clear to translucent smooth gel, 400,000 cP         | Makeup<br>Cream<br>Lotion<br>Sun Care                        | Matte (M) version of Silmer G-162-F5. Provides a blurring effect in the finished formulation.                                                        |
| <b>Silmer G-11-F5</b>    | Dimethicone (and) Polysilicone 11                                                                   | Silicone Gel in Dimethicone                             | Clear to translucent liquid                         | Lipstick<br>Lip Gloss<br>Cream<br>Concealer                  | Silicone elastomer gel dispersed in dimethicone. Used in formulating many types of personal care products to provide a dry, soft, powdery skin feel. |

**Please note:** All elastomer gels are available in IDD.



## CATIONIC SILICONES | Improve skin & hair substantivity

| PRODUCT                   | INCI NAME                                                                                 | CHEMICAL DESCRIPTION      | PHYSICAL FORM & VISCOSITY OR MELT POINT | TYPICAL APPLICATIONS                | BENEFITS                                                                                                                                                                                              |
|---------------------------|-------------------------------------------------------------------------------------------|---------------------------|-----------------------------------------|-------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Silamine MUE-2</b>     | Amodimethicone                                                                            | Silicone Amine            | Hazy liquid, 4,000 cP                   | Hair Care                           | Provides conditioning, silky-soft feel on hair and skin, and substantivity in hair. Level of clarity lends to suitability for clear 2-in-1 shampoos.                                                  |
| <b>Silamine 2972</b>      | BIS-Aminopropyl Dimethicone                                                               | Silicone Amine            | Clear liquid, 3,000 cP                  | Shampoo<br>Conditioner<br>Body Wash | Provides durable softness to hair care products.                                                                                                                                                      |
| <b>Silquat CR 4000-PD</b> | Dimethicone PG-Diethylmonium Chloride (and) Propanediol                                   | Quaternary Silicone       | Clear yellow liquid, 50,000 cP          | Shampoo<br>Conditioner              | Excellent hair conditioner for both clear and opaque 2-in-1 shampoos. Does not decrease the viscosity of shampoos and provides excellent wet comb, dry comb, gloss, and softness.                     |
| <b>Silquat Di-30-F4D</b>  | Quaternium-80                                                                             | Quaternary Silicone       | Clear liquid, 750 cP                    | Hair Care                           | Provides conditioning and soft, silky feel on hair and skin and substantivity in hair. Compatible with anionic surfactants.                                                                           |
| <b>Silquat AD</b>         | Silicone Quaternium-8                                                                     | Silicone Dimeramido Quat  | Clear liquid, 30 cP                     | Shampoo<br>Conditioner<br>Body Wash | Extremely effective wet and dry comb conditioner. Water-soluble, anionic compatible. Very low eye and skin irritation.                                                                                |
| <b>Silquat 4016</b>       | Water, Dimethicone-PG Diethylammonium Chloride, Cetrimonium Chloride, and 1,3-Propanediol | Quaternary Silicone Blend | Clear liquid, 150 cP                    | Shampoo<br>Conditioner              | Provides excellent wet and dry comb for conditioners and clear and opaque shampoos. Reduces flyaway and gives hair extreme softness, better manageability, and substantivity. Minimal eye irritation. |

## ANIONIC SILICONE | Surfactant with ultra-mild detergency

| PRODUCT            | INCI NAME                   | CHEMICAL DESCRIPTION           | PHYSICAL FORM & VISCOSITY OR MELT POINT | TYPICAL APPLICATIONS | BENEFITS                                                                                                        |
|--------------------|-----------------------------|--------------------------------|-----------------------------------------|----------------------|-----------------------------------------------------------------------------------------------------------------|
| <b>Silube CS-1</b> | Dimethicone PEG-8 Succinate | Polymethyldisiloxane Succinate | Clear liquid, 3,000 cP                  | Body Wash            | Anionic silicone surfactant for low-irritation skin cleansers. Can also be complexed with cationic surfactants. |

## CATIONIC/ANIONIC COMPLEXES | Compounds with increased deposition on hair & skin

| PRODUCT                | INCI NAME              | CHEMICAL DESCRIPTION              | PHYSICAL FORM & VISCOSITY OR MELT POINT | TYPICAL APPLICATIONS                | BENEFITS                                                                                                               |
|------------------------|------------------------|-----------------------------------|-----------------------------------------|-------------------------------------|------------------------------------------------------------------------------------------------------------------------|
| <b>SilPlex J2-S</b>    | Silicone Quaternium-20 | Cationic/Anionic Silicone Complex | Clear liquid, 700 cP                    | Shampoo<br>Conditioner<br>Body Wash | Extremely effective wet and dry comb conditioner. Water-soluble, anionic compatible. Very low eye and skin irritation. |
| <b>SilPlex J2-S-PG</b> | Silicone Quaternium-20 | Cationic/Anionic Silicone Complex | Clear liquid, 900 cP                    | Conditioner                         | Reformulated in propylene glycol.                                                                                      |

## INVERT PEG/PPG-FREE SILICONE EMULSIFIER | Flexibility for cold & hot processing

| PRODUCT           | INCI NAME              | CHEMICAL DESCRIPTION | PHYSICAL FORM & VISCOSITY OR MELT POINT | TYPICAL APPLICATIONS                  | BENEFITS                                                                                 |
|-------------------|------------------------|----------------------|-----------------------------------------|---------------------------------------|------------------------------------------------------------------------------------------|
| <b>Silube 316</b> | TMP Lauryl Dimethicone | Polyhydroxy Silicone | Clear liquid, 700 cP                    | Sun Care<br>Makeup<br>Cream<br>Lotion | Unique PEG/PPG-free multi-hydroxyl functional silicone. Acts as a medium HLB emulsifier. |

## CATIONIC SILICONE EMULSIFIER | Novel cationic (O/W) emulsifier & conditioner

| PRODUCT              | INCI NAME                                               | CHEMICAL DESCRIPTION | PHYSICAL FORM & VISCOSITY OR MELT POINT | TYPICAL APPLICATIONS                      | BENEFITS                                                                                                       |
|----------------------|---------------------------------------------------------|----------------------|-----------------------------------------|-------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| <b>Silquat J2-8B</b> | Distearmonium/<br>Diethonium Chloride<br>PG Dimethicone | Quaternary Silicone  | Clear liquid, 8,000 cP                  | Shampoo<br>Conditioner<br>Cream<br>Lotion | Imparts excellent sensory properties such as rich, non-greasy, luxurious, and very soft, smooth, powdery feel. |



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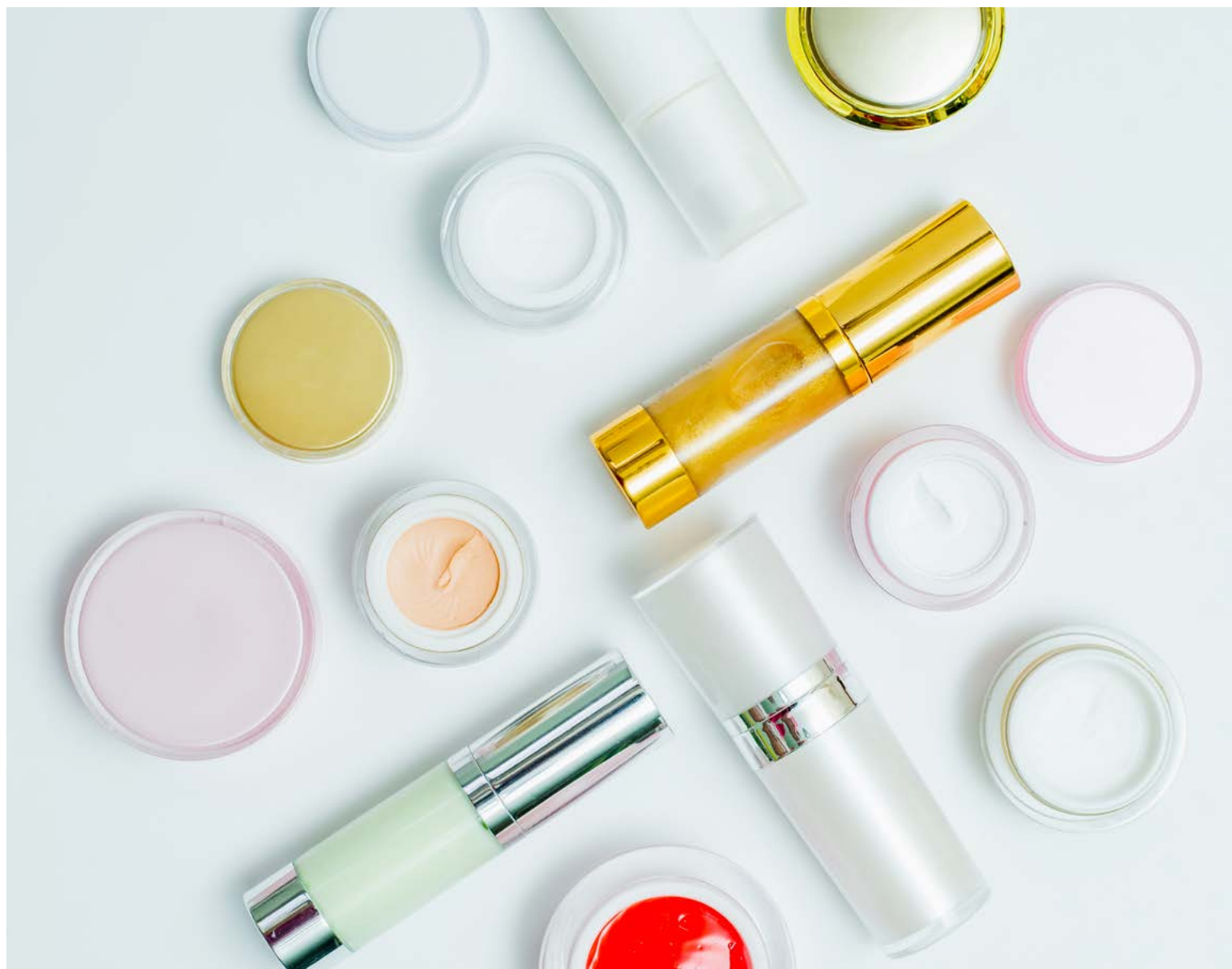
## EMULSIFIERS | Alkyl dimethicone copolyol compounds

| PRODUCT                   | INCI NAME                                                                           | CHEMICAL DESCRIPTION     | PHYSICAL FORM & VISCOSITY OR MELT POINT | TYPICAL APPLICATIONS                  | BENEFITS                                                                                                                                                                                                                            |
|---------------------------|-------------------------------------------------------------------------------------|--------------------------|-----------------------------------------|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Silube T308-16-CG</b>  | Cetyl PEG/PPG-10/1 Dimethicone                                                      | Silicone Alkyl Polyether | Clear liquid, 1,400 cP                  | Makeup<br>Sun Care<br>Cream<br>Lotion | A (W/O) emulsifier with an approximate HLB of 3.                                                                                                                                                                                    |
| <b>Silube T310-A-16</b>   | Cetyl PEG/PPG-10/1 Dimethicone                                                      | Silicone Alkyl Polyether | Clear liquid, 1,500 cP                  | Sun Care                              | A high-molecular-weight (W/O) emulsifier with an approximate HLB of 2. Provides thick emulsions for creams, lotions, foundations, and sunscreens.                                                                                   |
| <b>Silsurf 400R</b>       | Cyclopentasiloxane (and) PEG/PPG-18/18 Dimethicone                                  | Silicone Polyether       | Slightly hazy liquid, 500 cP            | Cream<br>Lotion                       | Silicone delivery system for emollients, moisturizers, sunscreens, and pigmented products. 10% active in cyclopentasiloxane. Contains an approximate HLB of 1.                                                                      |
| <b>Silube J208-212-CG</b> | Lauryl PEG-8 Dimethicone                                                            | Silicone Alkyl Polyether | Clear liquid, 1,000 cP                  | Sun Care<br>Makeup                    | Water-soluble silicone emulsifier with an approximate HLB of 9. For (O/W) emulsions.                                                                                                                                                |
| <b>Silube J208-612</b>    | Lauryl PEG-8 Dimethicone                                                            | Silicone Alkyl Polyether | Clear liquid, 600 cP                    | Sun Care                              | Water-dispersible silicone polyether with an approximate HLB of 5. For (W/O) emulsions.                                                                                                                                             |
| <b>Silube J208-812-CG</b> | Lauryl PEG-8 Dimethicone                                                            | Silicone Alkyl Polyether | Clear liquid, 500 cP                    | Makeup<br>Sun Care<br>Cream<br>Lotion | Water-insoluble silicone polyether with an approximate HLB of 3. For (W/O) emulsions.                                                                                                                                               |
| <b>Silube J1015-O-212</b> | Lauryl PEG/PPG-18/18 Methicone                                                      | Silicone Alkyl Polyether | Clear liquid, 3,200 cP                  | Sun Care<br>Makeup                    | An emulsifier for (O/W) emulsion systems. Provides very small micelles and very stable emulsions. Especially designed for creams, lotions, foundations, and sunscreens. Contains an approximate HLB of 7-9.                         |
| <b>Silube J1015-O-812</b> | Lauryl PEG/PPG-18/18 Methicone                                                      | Silicone Alkyl Polyether | Clear liquid, 5,000 cP                  | Sun Care<br>Makeup                    | An emulsifier for (W/O) emulsion systems. Provides very small micelles and very stable emulsions. Especially designed for creams, lotions, foundations, and sunscreens. Contains an approximate HLB of 2.                           |
| <b>Silube J208-2I</b>     | PEG-8, PPG-8 Dimethicone                                                            | Silicone Polyether       | Clear liquid, 600 cP                    | Sun Care<br>Makeup                    | An excellent (O/W) emulsifier with an approximate HLB of 8. The improved lubricity makes emulsions easy to apply. Provides a silky skin feel.                                                                                       |
| <b>Silube J208-8I</b>     | PEG-8, PPG-8 Dimethicone                                                            | Silicone Polyether       | Clear liquid, 400 cP                    | Sun Care<br>Makeup<br>Cream           | An excellent (W/O) emulsifier that gives skin a silky feel, especially for creams, foundations, sunscreen products, and pigmented products. Contains an approximate HLB of 2. The improved lubricity makes emulsions easy to apply. |
| <b>Silube PCH2</b>        | Polyglyceryl-4 Isostearate (and) Cetyl PEG/PPG-10/1 Dimethicone (and) Hexyl Laurate | Silicone Polyether       | Clear to yellowish liquid, 475 cP       | Makeup<br>Cream<br>Lotion<br>Sun Care | Nonionic (W/O) emulsifier with an approximate HLB of 5. Excellent pigment dispersant.                                                                                                                                               |

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## REGULAR PEG/PPG-FREE SILICONE EMULSIFIERS | Provide unique feel properties

| PRODUCT                 | INCI NAME                                 | CHEMICAL DESCRIPTION         | PHYSICAL FORM & VISCOSITY OR MELT POINT | TYPICAL APPLICATIONS                  | BENEFITS                                                                                                                                                                                                                                        |
|-------------------------|-------------------------------------------|------------------------------|-----------------------------------------|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Silube CSO Di-25</b> | BIS-Octenylsuccinoyloxypropyl Dimethicone | Alkyl Dimethicone Copolyol   | Clear liquid, 250 cP                    | Makeup<br>Sun Care<br>Cream<br>Lotion | Anionic water-dispersible PEG-free (O/W) emulsifier ideal for emulsifying natural oils in water. Also suitable for creams and body lotions as well as chemical sunscreens due to its increased oil compatibility. Suitable for cold processing. |
| <b>Silube CS Di-25</b>  | Dimethicone Succinate (proposed)          | Anionic Silicone Carboxylate | Clear to cloudy liquid, 175 cP          | Makeup<br>Sun Care<br>Cream<br>Lotion | Anionic functional silicone surfactant providing excellent softness, lubricity, surface tension reduction, and wetting. Can be used as a PEG-free invert emulsifier for (O/W) emulsions.                                                        |



## ALKYL SILICONES | Designed for enhanced oil solubility

| PRODUCT               | INCI NAME                                                                      | CHEMICAL DESCRIPTION       | PHYSICAL FORM & VISCOSITY OR MELT POINT | TYPICAL APPLICATIONS                               | BENEFITS                                                                                                                                                                                                                                                           |
|-----------------------|--------------------------------------------------------------------------------|----------------------------|-----------------------------------------|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Silwax D222</b>    | Behenyl Dimethicone                                                            | Alkyl Polydimethylsiloxane | Soft wax, 37°C                          | Lipstick                                           | Used to minimize syneresis and to modify the melt point of pigmented products. Provides an elegant feel.                                                                                                                                                           |
| <b>Silwax CR-5022</b> | Behenyl Dimethicone/<br>BIS-Vinyldimethicone<br>Crosspolymer                   | Alkyl Polydimethylsiloxane | Soft wax, 27°C–31°C                     | Makeup<br>Cream<br>Lotion<br>Hair Care             | As a cross-linked alkyl dimethicone, imparts a unique tactile experience by lowering the surface tension of various natural oils, improving slip, distribution, and product aesthetics.                                                                            |
| <b>Silwax J1032</b>   | C32 Alkyl Dimethicone                                                          | Alkyl Polydimethylsiloxane | Hard wax, 60°C                          | Lipstick                                           | Used to control syneresis and fine-tune melting characteristics in colour products. Also imparts a smooth, sophisticated texture on application.                                                                                                                   |
| <b>Silwax A08-UP</b>  | Caprylyl Methicone                                                             | Alkyl Polydimethylsiloxane | Clear liquid, 3 cP                      | Sun Care                                           | Branched trisiloxane polymer offering excellent skin conditioner benefits. Compatible with various organic ingredients. Provides a light, silky-smooth sensorial feel on skin.                                                                                     |
| <b>Silwax B116</b>    | Cetyl Dimethicone                                                              | Alkyl Polydimethylsiloxane | Clear liquid, 25 cP                     | Sun Care<br>Skin Care<br>Lipstick                  | Low-viscosity product used in pigment grinds and to boost SPF in sun care products.                                                                                                                                                                                |
| <b>Silwax CR-5016</b> | Cetyl Dimethicone/<br>BIS-Vinyldimethicone<br>Crosspolymer                     | Alkyl Polydimethylsiloxane | Clear liquid, 500 cP                    | Makeup<br>Cream<br>Lotion<br>Hair Care             | Cross-linked alkyl dimethicone. Provides unique feel for skin care products by significantly lowering the surface tensions of various natural oils.                                                                                                                |
| <b>Silwax Di-5026</b> | Ceretyl Dimethicone                                                            | Alkyl Polydimethylsiloxane | Soft wax, 30°C                          | Makeup<br>Cream<br>Lotion<br>Sun Care              | Provides improved cushion, barrier properties, long-lasting moisturization, and reduced trans-epidermal water loss in skin care products. Improves pigment dispersion in colour cosmetic products.                                                                 |
| <b>Silwax D02</b>     | Ethyl Methicone                                                                | Alkyl Polydimethylsiloxane | Clear liquid, 10 cP                     | Makeup<br>Cream<br>Lotion<br>Hair Care             | Low-carbon-content alkyl methicone designed to have the dry feel of cyclomethicone. Excellent replacement for D4 and D5. Significantly reduces the surface tension of polar oils, such as triglycerides and esters, making them feel more like volatile silicones. |
| <b>Silwax A02</b>     | Ethyl Trisiloxane                                                              | Alkyl Polydimethylsiloxane | Clear liquid, 3 cP                      | Makeup<br>Sun Care<br>Cream<br>Lotion<br>Hair Care | Volatile, low-carbon-content alkyl methicone ideal for replacing cyclomethicones. Excellent solvent for many formulations and provides the often desired dry after-feel.                                                                                           |
| <b>Silube CR-1</b>    | Polydecene (and)<br>Cetyl Dimethicone/<br>BIS-Vinyldimethicone<br>Crosspolymer | Alkyl Polydimethylsiloxane | Clear liquid, 30 cP                     | Cream<br>Lotion<br>Hair Care                       | Significantly reduces the surface tension of non-polar oils such as hydrocarbons, making them feel more like volatile silicones.                                                                                                                                   |
| <b>Silwax G118</b>    | Stearyl Dimethicone                                                            | Alkyl Polydimethylsiloxane | Paste solid, 30°C                       | Makeup<br>Sun Care                                 | High refractive index provides gloss. Excellent emollient.                                                                                                                                                                                                         |

## MULTI-DOMAIN ALKYL SILICONES | For spreadability, cushion & long-lasting feel

| PRODUCT             | INCI NAME                   | CHEMICAL DESCRIPTION       | PHYSICAL FORM & VISCOSITY OR MELT POINT            | TYPICAL APPLICATIONS | BENEFITS                                                                                                                                                                                                                                                                                                                                                                               |
|---------------------|-----------------------------|----------------------------|----------------------------------------------------|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Silwax D221M</b> | Cetyl Hexacosyl Dimethicone | Alkyl Polydimethylsiloxane | Soft white to amber paste, melt point of 34°C–36°C | Lipstick<br>Sun Care | Cosmetically elegant products across a wide melting point range that provide a soft, glossy feel on the skin. The feel and cushion of petrolatum with minimal play time and rapid rub-in, leaving a high gloss and no tackiness. Key applications include sun care products to increase SPF, lipsticks, moisturizers, lotions, antiperspirants and deodorants, and pigmented products. |
| <b>Silwax J219M</b> | Cetyl Hexacosyl Dimethicone | Alkyl Polydimethylsiloxane | Soft white to amber paste, melt point of 28°C–33°C | Lipstick<br>Makeup   |                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Silwax J221M</b> | Cetyl Hexacosyl Dimethicone | Alkyl Polydimethylsiloxane | Soft white to amber paste, melt point of 30°C–34°C | Lipstick<br>Sun Care |                                                                                                                                                                                                                                                                                                                                                                                        |

## FILM FORMER MQ RESINS & SILSESQUIOXANES | From liquid pourable resins to film formers

| PRODUCT                 | INCI NAME                                                                  | CHEMICAL DESCRIPTION    | PHYSICAL FORM & VISCOSITY OR MELT POINT | TYPICAL APPLICATIONS                                   | BENEFITS                                                                                                                                                                                                                                                              |
|-------------------------|----------------------------------------------------------------------------|-------------------------|-----------------------------------------|--------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Silmer UR-5050</b>   | BIS-Hydroxypropyl Dimethicone/<br>SMDI Copolymer                           | Silicone Resin          | Clear liquid,<br>6,000 cP               | Makeup<br>Shampoo<br>Conditioner                       | High-molecular-weight, silicone-urethane resin that is diluted in isododecane. 45% active. Used as a silicone barrier and film former to impart water repellency and softness in transfer-resistant lipsticks, creams, shampoos, and conditioners.                    |
| <b>Siltech CA Plus</b>  | Dimethiconol/<br>Caprylsilsesquioxane/<br>Silicate Crosspolymer            | Branched Resin          | Clear to light yellow liquid,<br>80 cP  | Makeup<br>Cream<br>Lotion<br>Sun Care                  | Super-hydrophobic Q-resin-modified silane that delivers exceptional pigment and sunscreen-filter dispersion. Ideally suited for makeup and sunscreen formulations, it imparts strong water repellency, a soft emollient feel, and a smooth, elegant sensorial finish. |
| <b>Silmer Q7-IDD</b>    | Isododecane (and)<br>Trimethylsiloxysilicate                               | Trimethylsiloxysilicate | Clear liquid,<br>60-200 cP              | Lip applications<br>& long-wear<br>colour<br>cosmetics | Delivers enhanced sensoriality while providing strong film formation, water resistance, and stability—especially valuable in applications like sunscreens. Silmer Q materials consistently improve colour payoff, pigment dispersion, and overall wear performance.   |
| <b>Silmer Q7-G10</b>    | Isododecane (and)<br>Trimethylsiloxysilicate/<br>Dimethiconol Crosspolymer | Silicone Resin Gum      | Clear liquid,<br>100-1,000 cP           | Lip applications<br>& long-wear<br>colour<br>cosmetics | Forms maximum transfer-resistant films and leaves a pleasant, non-brittle skin feel. Ideal for use in long-wear colour cosmetics, especially lip applications.                                                                                                        |
| <b>Silmer QT9-30-CG</b> | Polymethylsilsesquioxane<br>(and) Isododecane                              | Silsesquioxane          | Clear pale yellow liquid,<br>25 cP      | Makeup<br>Skin Care                                    | Provides superior transfer resistance without the worry of a cyclomethicone carrier. Provides a soft, silky after-feel to colour cosmetics and skin care products.                                                                                                    |
| <b>Silmer Q20</b>       | Trimethylsiloxysilicate                                                    | Trimethylsiloxysilicate | Clear liquid,<br>250 cP                 | Makeup<br>Cream<br>Lotion<br>Sun Care                  | Replaces colour dispersion solvents with pure liquid resin in (W/O) or (W/Si) emulsions and in anhydrous colour cosmetics. Gives these products better colour intensity and stability. Excellent compatibility with various personal care raw materials.              |
| <b>Silmer Q25</b>       | Trimethylsiloxysilicate                                                    | Trimethylsiloxysilicate | Clear liquid,<br>160 cP                 | Cream<br>Lotion<br>Sun Care                            | Versatile pure liquid resin for use in many personal care products to provide a silky, smooth, powdery skin feel. Excellent compatibility with various personal care raw materials.                                                                                   |

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## POLYETHER FUNCTIONAL MQ RESIN | Increased solubility & surface-tension-reducing properties

| PRODUCT                 | INCI NAME                            | CHEMICAL DESCRIPTION                                | PHYSICAL FORM & VISCOSITY OR MELT POINT | TYPICAL APPLICATIONS  | BENEFITS                                                                                                                                                              |
|-------------------------|--------------------------------------|-----------------------------------------------------|-----------------------------------------|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Silsurf Q25315-O</b> | PEG/PPG-12/12 Dimethylsiloxysilicate | Branched Silicone Polyether Trimethylsiloxysilicate | Clear liquid, 550 cP                    | Cream Lotion Sun Care | Cyclomethicone-free (O/W) emulsifier with a unique powdery, silky after-feel. Excellent alternative to emulsifiers containing D4/D5/D6. Suitable for cold processing. |

## NON-SILICONE PRODUCTS | Unique wetting properties for pigments

| PRODUCT                          | INCI NAME               | CHEMICAL DESCRIPTION                         | PHYSICAL FORM & VISCOSITY OR MELT POINT | TYPICAL APPLICATIONS                  | BENEFITS                                                                                                                                                                                                                |
|----------------------------------|-------------------------|----------------------------------------------|-----------------------------------------|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Silmuls NS PEG-10 Olivite</b> | Olive Oil PEG-10 Ester  | Organic Surfactant from Olive Oil and PEG-10 | Clear oily liquid                       | Makeup Sun Care Skin Care             | Excellent organic (O/W) emulsifier for pigmentation formulations such as foundations and sunscreens. Provides excellent emollience.                                                                                     |
| <b>Siltech CE-2000</b>           | Trioctyldodecyl Citrate | Guerbet Alcohol Citrate Ester                | Clear liquid, 200 cP                    | Cream Lotion Makeup Lipstick Sun Care | The branching and high molecular weight of this structure lends well to pigment dispersion in lipsticks. This ester also imparts excellent cushion to most formulations and is a good emollient for skin care products. |

## SILICONE EMULSIONS | Silicones emulsified in water

| PRODUCT                  | INCI NAME                                                                  | CHEMICAL DESCRIPTION                          | PHYSICAL FORM & VISCOSITY OR MELT POINT | TYPICAL APPLICATIONS | BENEFITS                                                                                                                                                                                                                                                                                                  |
|--------------------------|----------------------------------------------------------------------------|-----------------------------------------------|-----------------------------------------|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Siltech E-2148</b>    | Amodimethicone (and) Trideceth-12 (and) Cetrimonium Chloride               | Silicone Amine                                | Milky liquid, 30% active                | Conditioner          | Specially formulated to provide superior conditioning to hair and skin products. The amino functionality and the cationic emulsifier force the polymer from the emulsion onto these surfaces providing efficacy of use and a soft, long-lasting feel.                                                     |
| <b>Siltech E-2149</b>    | Amodimethicone (and) Cetrimonium Chloride (and) Trideceth-12               | Silicone Amine                                | Milky liquid, 30% active                | Conditioner          | Specially formulated to condition hair and skin products. The amino functionality and the cationic emulsifier force the polymer from the emulsion onto these surfaces providing efficacy of use and a soft, long-lasting feel.                                                                            |
| <b>Siltech E-2145-35</b> | Dimethicone (and) Amodimethicone (and) Isolaureth-10 (and) C11-15 Pareth-3 | Silicone Amine                                | Milky liquid, 35% active                | Conditioner          | A 35% active amino silicone emulsified with non-ionic emulsifiers. Provides durable shine and conditioning to hair care and other products. Can be used as is or at diluted concentrations.                                                                                                               |
| <b>Siltech E-5118</b>    | Water (and) Polysilicone-40 (and) Isolaureth-6 (and) Trideceth-12          | Quarternized silicone polyether microemulsion | Clear translucent liquid, 30 cP         | Conditioner          | This specialty ingredient is designed to deliver exceptional conditioning benefits in hair and skin formulations. Its amino functionality combined with a cationic emulsifier helps the polymer deposit efficiently onto surfaces, creating a soft, long-lasting, and highly effective conditioning feel. |

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## GLOSS ADDITIVES | Provide gloss, shine & lubricity

| PRODUCT               | INCI NAME                   | CHEMICAL DESCRIPTION       | PHYSICAL FORM & VISCOSITY OR MELT POINT | TYPICAL APPLICATIONS                  | BENEFITS                                                                               |
|-----------------------|-----------------------------|----------------------------|-----------------------------------------|---------------------------------------|----------------------------------------------------------------------------------------|
| <b>Silgloss 3H-MS</b> | Phenylisopropyl Dimethicone | Alkyl Polydimethylsiloxane | Clear liquid, 8,000 cP                  | Sun Care Lipstick                     | Provides the highest gloss and lubricity to hair and skin.                             |
| <b>Silgloss D0-MS</b> | Phenylisopropyl Dimethicone | Alkyl Polydimethylsiloxane | Clear liquid, 100 cP                    | Sun Care Lipstick                     | Provides gloss and lubricity to hair and skin.                                         |
| <b>Siltech PTM</b>    | Phenyl Trimethicone         | Alkyl Polydimethylsiloxane | Clear liquid, 30 cP                     | Hair Care Cream<br>Lotion<br>Sun Care | Exceptional compatibilizer. High refractive index provides gloss. Excellent emollient. |

## D5 REPLACEMENT PRODUCTS | Dry after-feel free of cyclic silicones

| PRODUCT              | INCI NAME          | CHEMICAL DESCRIPTION       | PHYSICAL FORM & VISCOSITY OR MELT POINT | VOLATILITY AT 37°C | TYPICAL APPLICATIONS                            | BENEFITS                                                                                                                                                                            |
|----------------------|--------------------|----------------------------|-----------------------------------------|--------------------|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Silwax A08-UP</b> | Caprylyl Methicone | Alkyl Polydimethylsiloxane | Clear liquid, 3 cP                      | Very slow          | Sun Care                                        | Branched trisiloxane polymer offering excellent skin conditioner benefits. Compatible with various organic ingredients. Provides a light, silky, smooth sensorial feel on the skin. |
| <b>Silwax D02</b>    | Ethyl Methicone    | Alkyl Polydimethylsiloxane | Clear liquid, 10 cP                     | Slow               | Makeup Cream<br>Lotion<br>Hair Care             | Low-carbon-content alkyl methicone designed to have the dry feel of cyclomethicone. Excellent replacement for D4 and D5.                                                            |
| <b>Silwax A02</b>    | Ethyl Trisiloxane  | Alkyl Polydimethylsiloxane | Clear liquid, 3 cP                      | Very high          | Makeup Cream<br>Lotion<br>Sun Care<br>Hair Care | Volatile, low-carbon-content alkyl methicone ideal for replacing cyclomethicones. Excellent solvent for many formulations and provides the often desired dry after-feel.            |





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