

Bulletin 9 SILTECH SILICONE



Siltech develops, manufactures and markets a full line of **ORGANO FUNCTIONAL SILICONE** compounds and related specialties for the personal care. Siltech has been working in the field of cosmetic and personal care since its inception in 1989 and had also created many products that are unique and exclusive.



Product Information

What is Silicone? Silicones are unique compounds both in terms of their chemistry and in their wide range of useful applications where silicon and oxygen atoms alternating with various organic radicals attached to the silicon.

The length of the Si-O and Si-C bonds also allows an unusual freedom of rotation. This enables the molecules to adopt the lowest energy configuration at interfaces and provide a surface tension that is substantially lower than organic-based products. The strength of the silicon-oxygen (siloxane) bond not only gives it its thermal stability, but also a chemical inertia, making it highly resistant to oxidizing and to ultraviolet radiation, ozone and electrical discharges.



SILQUAT - Silicone Polyether Fatty Quats

Adding a cationic group onto the silicone backbone results in improved skin and hair substantivity, this thereby improves wet and dry comb properties and conditioning. The presence of the silicone and fatty group on a cationic silicone results in outstanding skin feel, making these materials additives for body washes.

Products	INCI Name	Features & Benefits	Applications	% Use
Silquat AD	Silicone Quaternium-8	• Compatible with anionic systems • Conditioning and antistatic for 2 in 1 shampoo • Does not adversely affect foam • Water and alcohol soluble • Mild conditioning and low irritation • Non greasy softening & no build up • Improve wet comb & gloss	• 2 in 1 shampoo • Clear shampoo • Body wash • Facial soaps 	0.5 – 2.0 wt%

SILTECH

Products	INCI Name	Features & Benefits	Applications	% Use
Siltech CE 2000 (non-silicone)	Trioctyldodecyl citrate	• High molecular weight & high viscosity oil • Light colour & low odour • Substantive • Emollient • wetting	• Lipstick • Pressed powder • Pigment dispersing agent • Excellent cushion & supplement for lipstick	1.0 – 5.0 wt%

SILPLEX J2S

Products	INCI Name	Features & Benefits	Applications	% Use
Silplex J2S	Silicone Quaternium-20	• Water soluble • Compatible with anionic surfactant • Substantive • Low irritancy • Softening, conditioning, and antistatic • Improved wet and dry combing in hair • Good shine, clear product, no residual build-up	• Shampoo • Conditional • Body wash • Shave products • Baby products 	0.5 – 3.0 wt%

SILSURF - Silicone Polyethers

Silicone Polyethers, also known as **dimethicone copolyols** in the personal care industry. It contains both water-insoluble silicone backbone and a number of water-soluble polyether pendant groups. These products exist as multi-pendant and linear-difunctional polymers.

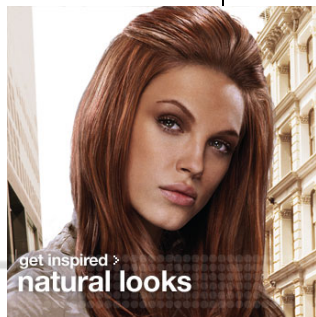
Products	INCI Name	Features & Benefits	Applications	% Use
Silsurf J208	PEG-8 Dimethicone	• Water & alcohol soluble • Reduce aqueous surface tension • Mild lubricant • May reduce organic surfactant irritation • Substantive • Conditioning on skin & hair • Provide a stable foam to shampoo • High molecular Weight	• Cleanser • Shave preparations • Shampoo conditional • Lotion • Gel • Cream	0.05-1.00 wt%



SILWAX - Alkylated Silicones

Silwax alkylated silicones are based on alkyl pendant groups ranging from C2 to C32. The ratio of silicone to alkyls and the chain length of the alkyl determine the melting point and liquidity of the final product. These products can range from liquids to soft pastes to hard waxes. They are excellent lubricants in textile, metalworking and automotive applications. They impart water and solvent repellency to textiles, and flow, leveling, slip and mar resistance to ink and coating. They also provide gloss, emollience and softness in personal care applications. The Silwax alkylated silicones are represented by both alkyl and alkyl aryl silicones.

Products	INCI Name	Features & Benefits	Applications	% Use
Silwax WS-L	Dimethicone PEG-8 Laurate	• 100% SPE laureate • Water soluble • Emulsifier • Lubrication & spreadability • Good conditional • Reduce tacky / stacky feel	• Sun care • Hand & body lotions • Feel modification for cleanser • Deodorant stick	1.0 – 3.0 wt%
Silwax F	Dimethiconol fluoroalcohol dilinoleic acid	 • Water insoluble • Low surface tension & spreadability • Hydrophobic • Film forming without build-up • Substantive • Silky/smooth feel • Barrier properties • Detackifier • Alkyl & fluoro containing silicones • Excellent lubricants • Non-tacky	Skin care • Detackifier for cream and lotion • Water repellents • Skin feel modifier Cosmetic • Lip glosses • Lipstick • Pigment dispersant • Mascara for spreadability	0.5 – 5.0 wt%

Silwax DO-MS	Isopropyl phenyl dimethicone	• Excellent gloss • Low viscosity • No sticky build-up • Very high refractive index • Soluble in mineral oil & cyclosiloxane	• Skin cream • Hair gloss additives 	0.5 – 3.0 wt%
Silwax H416	Cetyl dimethicone	• Substantive • Lubricity • Moisturizer • Detackifier • Aesthetic & non-waxy feel • Liquid at ambient temperature	• Moisturizer • Creams • Lotions • Antiperspirants • Colour cosmetics	1.0 – 3.0 wt%

SILUBE - Alkylated Silicone Polyethers

Alkylated silicones co-reacted with polyethers which is fully or partially soluble in water.



Products	INCI Name	Features & Benefits	Applications	% Use
Silube CS-1	PEG-7 dimethicone succinate	• Reduce tacky and soapy feel • Excellent lubricant and conditional	• Deodorant sticks • Creams • Lotions	1 wt%

Silube J208-812	Lauryl dimethicone	PEG-8	• Prodedced very stable O/W, W/O, W/Si emulsions • Soft silicone feel • Less sticky and more cosmetically elegant emulsion • Stable products during storage	• Emulsifier for W/O, O/W, S/W, W/Si, O/Si, Si/O • Suncare • skincare	1.5 - 5.0 wt%
-----------------	--------------------	-------	--	---	---------------

Formulation



Hair Conditioner



Hair Wax



Moisturizing Hair Shampoo



Intensive Conditioner



Shampoo with Improved Wet Comb



Conditional Formula



2 in 1 shampoo with Silplex J2S



2 in 1 shampoo with Silsulf J208



Silicone lipstick



Moisturizing lipstick



Moisture cream



Sunscreen



Please try our formulas and feel the difference for yourself or simply call us for even more formulas!

Contact Us Today!

Whether it is a sales enquiry or a sample request kindly contact us right away:

Our sales office Tel: 603-6157 5412

Our Sales Team:

Meisan, Yuen (H/P : 016-2025412), email: msyuen@alliance2u.com

Eunice Tan (H/P : 016-2335412), email: eunicetan@alliance2u.com

Jenson Khor (H/P : 016-2635412), email: jensonkhor@alliance2u.com

Nicholas Mun (H/P : 012-283 5412), email : nickmun@alliance2u.com

Alternatively you can log on to our official website for more info

<http://www.alliance2u.com>