



PRODUCT GUIDE

For the first time, skin care companies have access to medical-quality silicone to create breakthrough moisturization, anti-aging, sun care, skin repair serums and anti-wrinkle formulations.

The CareSil™ portfolio includes novel encapsulation technology, silicone gels, phenyl silicones, low volatility silicones, custom silicone formulations and the delivery of actives for use in next-generation skin care products. Available in a variety of concentrations in various diluents, viscosities and refractive indices, the CareSil™ silicone product line is innovative and diverse to match your specific needs and requirements.

Visit www.nusil.com/caresil to learn more about our product offering and future innovations.

KEY PRODUCTS

Encapsulation Technology

CareSil™ Encapsulation Technology allows silicone and water to coexist without the use of irritating surfactants. The separation of these two mediums, enabled by encapsulation, allows for transformative textures when applied to the skin.

Unprecedented Levels of Purity

CareSil™ incorporates controls to remove impurities at every step of the manufacturing process. We carefully select our raw materials and our proprietary purification technology produces the most refined intermediates and the purest silicones with the lowest volatility levels in the industry.

Product Details

For more detailed information on the products in this guide please visit:

www.nusil.com/caresilproducts

	Encapsulation Technology		Suspension Technology	Gum Blend	Elastomer Gels			Specialty Fluids		Volatiles
CareSil™ Nomenclature	CARESIL™ - CES CES - 1104	CARESIL™ - CES CES - 3401	CARESIL™ - CSG CSG - 1001	CARESIL™ - F CSF - 3504	CARESIL™ - XG CXG - 1101	CARESIL™ - XG CXG - 1103	CARESIL™ - XG CXG - 1104	CARESIL™ - PF CPF - 3300	CARESIL™ - FF CFF - 3401	CARESIL™ - V CSV - 3002
Product Description	Encapsulated Silicone with 12% CXG-1104	Encapsulated Silicone with 40% CFF-3401	Suspended Silicone with 30% CXG-1104 and 7% CSF-3504	50% High Purity Dimethiconol Dispersed in Low Viscosity Dimethicone Fluid	12% Solids Elastomer Gel Dispersed in D5	8% Solids Elastomer Gel Dispersed in D5 and D6	12% Solids Elastomer Gel Dispersed in Low Viscosity Dimethicone Fluid	High Refractive Index Silicone Fluid	60 Mol% Fluorosilicone	Pure Volatile Silicone Gas Chromatography: (D4): <0.05% (D5): <0.05% (D6): >99.5%
INCI Nomenclature	Dimethicone (and) Aqua (and) Glycerin (and) Pentylene Glycol (and) Dimethicone/Vinyl Dimethicone Crosspolymer (and) Phenoxyethanol (and) Carbomer (and) Amodimethicone (and) Sodium Hydroxide (and) Disodium EDTA	Trifluoropropyl Dimethicone (and) Aqua (and) Glycerin (and) Pentylene Glycol (and) Phenoxyethanol (and) Carbomer (and) Amodimethicone (and) Sodium Hydroxide (and) Disodium EDTA	Aqua (and) Dimethicone (and) Dimethicone/Vinyl Dimethicone Crosspolymer (and) Dimethiconol (and) Butylene Glycol (and) Carbomer (and) Phenoxyethanol (and) Sodium Hydroxide	Dimethicone (and) Dimethiconol	Cyclopentasiloxane (and) Dimethicone/Vinyl Dimethicone Crosspolymer	Cyclopentasiloxane (and) Cyclohexasiloxane (and) Dimethicone/Vinyl Dimethicone Crosspolymer	Dimethicone (and) Dimethicone/Vinyl Dimethicone Crosspolymer	Phenyl Trimethicone	Trifluoropropyl Dimethicone	Cyclohexasiloxane
D4 Content	<0.05%	<0.05%	<0.05%	<0.05%	<0.05%	<0.05%	<0.05%	-	<0.05%	<0.05%
Viscosity	60,000 cP	60,000 cP	165,000 cP	1,140,000 cP	550,000 cP	60,000 cP	635,000 cP	10 cSt	Available in: 350, 1,000 and 12,500 cP	7 cSt
Appearance	Translucent to Opaque, Colorless to Yellow Tint, Gel	Translucent to Opaque, Colorless to Yellow Tint, Gel	Translucent to Opaque, Colorless to White, Gel	Clear to Translucent, Colorless to Light Yellow, Paste	Clear, Colorless to Light Yellow, Gel	Clear, Colorless, Gel	Clear, Colorless to Light Yellow, Gel	Clear, Colorless, Liquid	Clear, Colorless, Liquid	Clear, Colorless, Liquid
Refractive Index	1.40	1.38	1.40	1.40	1.40	1.40	1.40	1.46	1.38	1.40
Specific Gravity	1.03	1.01	0.98	0.94	0.96	0.95	0.92	0.98	1.21	0.97

This document is a general guideline for product selection. Typical properties shown in this document should not be used as a basis for preparing specifications. Please contact NuSil Technology LLC for assistance and recommendations in establishing particular specifications. NuSil Technology LLC makes no claim or warrant that this product is intended to affect the structure or any function of the human body.



Headquarters

Avantor Performance Materials, LLC
3477 Corporate Parkway
Center Valley, PA 18034 USA
Toll Free: +1-855-AVANTOR (1-855-282-6867)
Outside of US Tel: +1-610-573-2600
www.avantorinc.com

North & South America

1050 Cindy Lane
Carpinteria, CA 93013 USA
+1 805/684-8780
silicone@nusil.com
www.nusil.com

Europe

Parc d'Activités de Sophia Antipolis
Le Natura Bt2
1198, avenue Maurice Donat
06250 MOUGINS France
+33 (0) 4 92 96 93 31
nusil.sophia@nusil.com
www.nusil.com

Asia

10 Anson Road
#32-15 International Plaza
Singapore 079903
+65 64306694
nusilasia@nusil.com
www.nusil.com