

## SUGAR-MODIFIED SILICONE SURFACTANT IN 100% NATURAL CARRIER

Silicone emulsifiers demonstrate versatile emulsification and pigment dispersing properties in cosmetics and are additionally recognized for providing premium sensorial attributes. Silube® Sustain-S offers these traditional premium silicone emulsifier benefits, with the added benefit of improving formulation sustainability!



The reaction of glucose with an aminoalkyl functionalized silicone backbone inserts both naturality and functionality. RSPO MB grade vegetable derived isoamyl laurate acts as carrier for the system, further augmenting sustainability.

- ✦ Excellent emulsifier & dispersant for makeup & sunscreen
- ✦ Suitable for regular (O/W), invert (W/O) & SWOP systems
- ✦ Exceptional sensorial and after-feel across multiple applications
- ✦ Non-toxic, non-irritating, fully biodegradable carrier

## SUSTAINABLE SENSORIAL MOISTURIZING CREAM

Phase	Material (Supplier)	INCI	Wt. (%)
A	D.I. Water	Aqua	58.95
	Glycerin	Glycerin	5.00
	Cosmedia SP (BASF)	Sodium Polyacrylate	1.10
B	<b>Silube Sustain-S (Siltech)</b>	Gluconamido Lauryl Dimethicone (and) Isoamyl Laurate	3.35
	C8/C10 Triglyceride (Jeen)	Caprylic/Capric Triglyceride	8.60
	<b>Siltech CE-2000 (Siltech)</b>	Trioctyldodecyl Citrate	15.80
	Jarcane -12 (Jarchem)	Dodecane	2.00
	<b>Siltech F-10 (Siltech)</b>	Dimethicone	3.20
	Argan Oil	Argania Spinosa Kernel Oil	2.00
<b>Total</b>			100.00

**Sustainable Sensorial** skin cream provides moisturization with premium spreadability and after-feel. Silube® Sustain-S emulsifies the included oils and imparts a soft, light feel during application, provided in part by the sugar-modified moiety and an all-natural diluent. The incorporation of glucose and isoamyl laurate dramatically improve sustainability. Siltech® CE-2000, a citrate ester, imparts exceptional emolliency and cushion during application. Premium performance in sustainable fashion!

CHEMISTRY	INCI	PHYSICAL FORM, VISCOSITY
Glucose-modified aminoalkyl silicone	Gluconamido Lauryl Dimethicone (and) Isoamyl Laurate	Liquid, 7,500 cps

**INNOVATION INSPIRED BY VERIFIED SUSTAINABILITY & PERFORMANCE**

Siltech continues to innovate more sustainable silicone offerings and excels at partnering with industry leaders in the design of sustainable formulations, all made possible by our specialty silicone offerings. Siltech is the market leader at organomodification of the silicone backbone and Silube® Sustain-S is a prime example of that leadership. Siltech has added the benefits of alkyl, amino, and glucose functionality to a silicone backbone, and dispersed the moiety in a 100% natural and biodegradable carrier. The result is a premium performing, more sustainable specialty silicone that exhibits a wide range of emulsification benefits, offering both stable Water-in-Oil (W/O) and Oil-in-Water (O/W) emulsions. Versatility is the signature of this emulsifier, with functionality limits redefined daily!



**SUSTAINABLE HYDRATION MOISTURIZING CREAM**

Phase	Material (Supplier)	INCI	Wt. (%)
A	D.I. Water	Aqua	52.00
	Zemea Propanediol (Dupont)	Propanediol	5.00
	Euxyl PE 9010 (Schulke)	Phenoxyethanol and Ethylhexylglycerin	0.40
	Zeastat (Inolex)	Caprylhydroxamic Acid (and) Propanediol	0.60
	MgSO4.7H2O	Magnesium Sulfate	2.00
B	<b>Silube® Sustain-S (Siltech)</b>	Gluconamido Lauryl Dimethicone (and) Isoamyl Laurate	5.00
	<b>Silmer® Sustain-H (Siltech)</b>	C13-15 Alkane (and) Dimethicone/Vinyl Dimethicone Crosspolymer	20.00
	Jacane -12 (Jarchem)	Dodecane	15.00
<b>Total</b>			<b>100.00</b>

This invert (Water-in-Oil) emulsion moisturizing cream spreads easily on the skin, imparts ultra-hydration and features largely renewable ingredients. Silmer® Sustain-H is a silicone elastomer gel diluted in a sustainable biobased hemisqualane carrier, featuring a biobased carbon content greater than 90%. Silmer® Sustain-H imparts cushion, provides a lengthy playtime on the skin and finishes with a silky smooth after-feel. Silube® Sustain-S is a newly innovated sugar-modified silicone emulsifier from Siltech. The entire formulation features ingredients that are mostly derived from renewable sources resulting in a total biobased carbon content of 90%! The results were confirmed by an independent lab using ASTM D6866. Enjoy pleasing sensorial and hydration with an added assurance of sustainability!

\*Additional product and lab study information is available from your Siltech representative. [www.siltech.com](http://www.siltech.com) (416) 424-4567