



Senso-SILK

Plant-based silicone alternatives

Silicones are undoubtedly versatile ingredients and cannot be easily substituted. In today's market, many brands are trying to replace these substances, either for regulatory reasons or because of biodegradability issues.

Senso-SILK C and Senso-SILK G are green alternatives to volatile silicone oil, 100% plant derived with an elegant, dry and silky touch.

Advantages at a glance

Formulation features

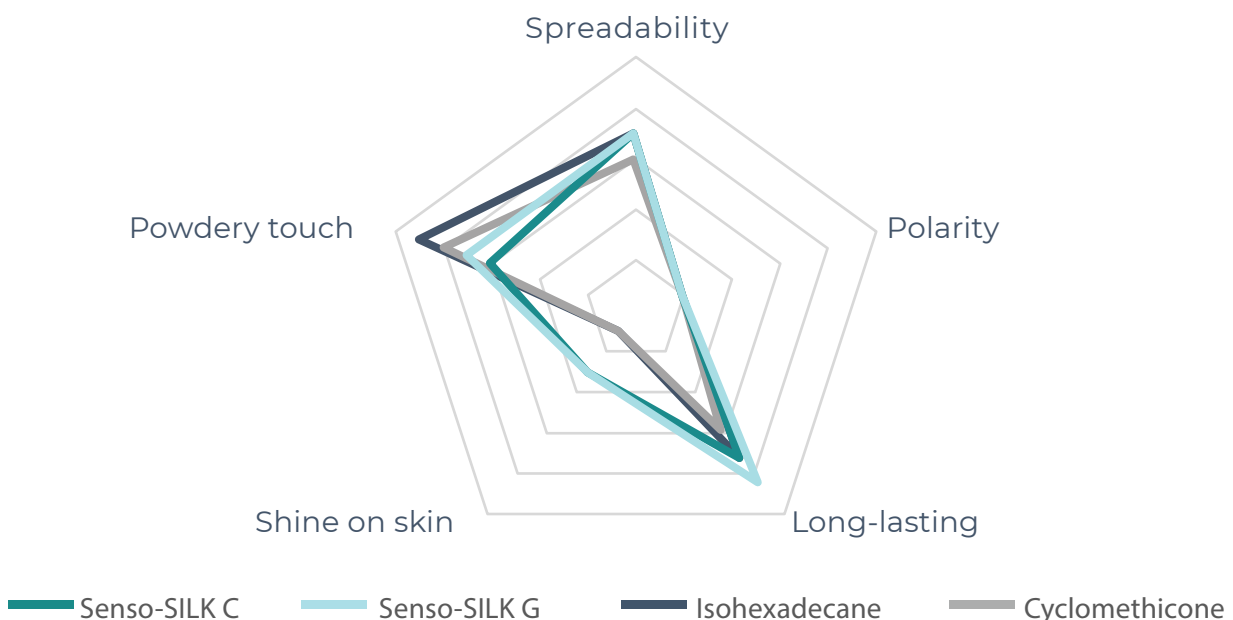
- Improve spreadability
- Reduce tackiness
- Disperse pigments
- Usable with UV-filters
- Low viscosity

Regulatory assets

- ISO 16128 = 1
- Readily biodegradable
- Vegan
- COSMOS compliant
- Safe for skin, no CMR

Performances on skin

To formulate without silicone but also without compromise on the touch on the skin it is possible thanks to Senso-SILK. The sensoriality is here below compared between the 4 following ingredients: Senso-SILK C, Senso-SILK G, Isohexadecane and Cyclomethicone.



INCI Name

Senso-SILK C : C13-15 alkane, Polyglyceryl-6 oleate

Senso-SILK G : Polyglyceryl-4 oleate, Glyceryl olivate, Hydrogenated rapeseed alcohol



Senso-SILK C vs Senso-SILK G

Senso-SILK are also suitable for dispersing pigments and chemical UV-Filters. Therefore they are widely used in the make-up and sun care industries.

Senso-SILK C is mainly used to mimic the touch on skin of volatile silicone. Formulation mainly in sensitive skin-care and foundation.

Senso-SILK G will provide a “cushion-like” touch, especially suitable when you are looking for dry and soft touch, for example in deodorants as replacement of silicones or for non-greasy sun care products.

Formulation example

Natural fresh deodorant (internal ref: DNM-225A-FO)

Phase	Product / INCI Name	% (w/w)
A	Polyglyceryl-3-beeswax	29.0
	Stearic acid	8.0
	Cetearyl alcohol	4.5
	Cocos nucifera oil	44.7
	Senso-SILK G / Polyglyceryl-4 oleate, Glyceryl olivate, Hydrogenated rapeseed alcohol ¹	4.5
	Zinc ricinoleate ¹	2.8
	Triethyl citrate ¹	3.2
B	Lipo-QUEST BG / Butylene glycol, Lauric acid, Lauryl alcohol diphosphonic acid ¹	0.5
	Citropol® F / Polycitronello ²	0.8
	Allantoin ¹	1.0
	Mint essential oil	1.0

Suppliers: ¹ Connect Chemicals
² P2 Science distributed by Connect Chemicals

Use of the ingredient:

3- 30% depending on formulation

Oil soluble
Possible to solubilize in Ethanol, and low or high polarity lipids

Application

- Skin care
- Sun care
- Make up

