



# 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

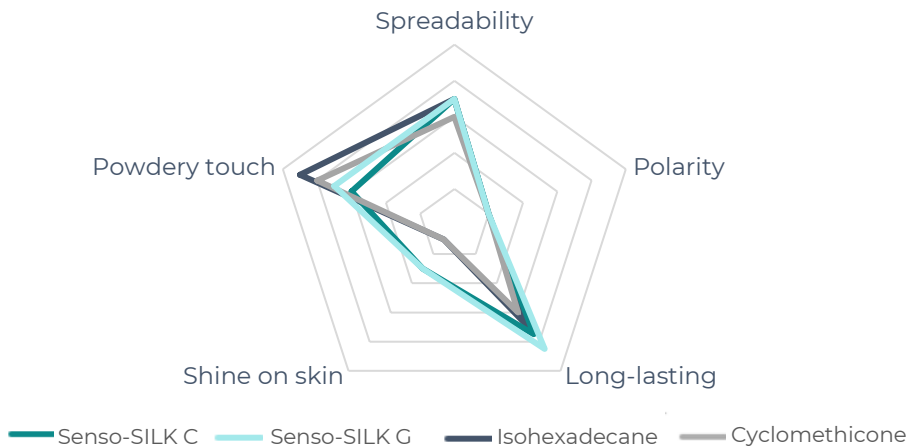
- Improve spreadability
- Reduce tackiness
- Disperse pigments
- Usable with UV-filters
- Low viscosity

### 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
	<b>Senso-SILK G / Polyglyceryl-4 oleate, Glyceryl olivate, Hydrogenated rapeseed alcohol<sup>1</sup></b>	4.5
	<b>Zinc ricinoleate<sup>1</sup></b>	2.8
	<b>Triethyl citrate<sup>1</sup></b>	3.2
B	<b>Lipo-QUEST BG / Butylene glycol, Lauric acid, Lauryl alcohol diphosphonic acid<sup>1</sup></b>	0.5
	<b>Citropol® F / Polycitronellol<sup>2</sup></b>	0.8
	<b>Allantoin<sup>1</sup></b>	1.0
	Mint essential oil	1.0

Suppliers:

<sup>1</sup> Connect Chemicals

<sup>2</sup> 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

