

WILSILK SMOOTH

Plant-Based, Biodegradable Silicone Alternative

Light and Smooth like Cyclomethicone



**READILY
BIODEGRADABLE**



PLANT-BASED



**NATURAL ORIGIN
INDEX 0.75**
ISO 16128



HALAL & KOSHER

INCI NAME

C9-12 Alkane
(and) Tridecane¹

FEATURES



FAST SPREADING
1672 mm²



**CLEAR, ODOUR &
COLOUR FREE**



VOLATILE



LOW VISCOSITY
11 cP at 20°C



**COSMETIC
COMPLIANT**
US, EU REACH,
and China IECIC

CYCLOMETHICONE REPLACER

WILSILK Smooth is a biodegradable, plant-derived alternative to Cyclomethicone (D5), delivering comparable volatility, spreadability, and a smooth, elegant skin feel.

NOBEL PRIZE GREEN TECHNOLOGY

Made of volatile hydrocarbons uniquely derived from plant oils, **WILSILK Smooth** is created through Metathesis, our patented **Nobel Prize-winning technology**.

SMOOTH LIKE D5

Offering volatility and spreadability similar to D5, **WILSILK Smooth** is a lightweight emollient offering a soft, and smooth afterfeel, making it particularly well-suited for hair care, styling products, skincare, and deodorant sprays.

WILSILK SMOOTH Sensory Comparison²



¹ In EU and USA, INCI name: Dodecane

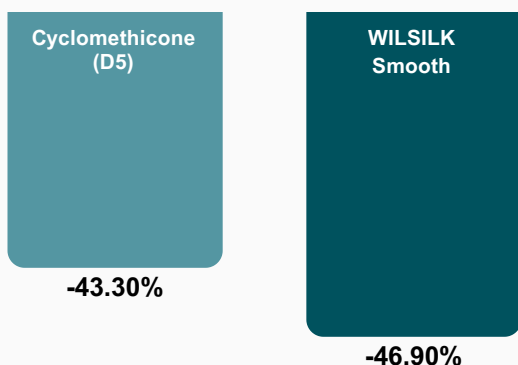
² Based on a sensory panel of 16 people



BETTER SHINE, CONDITIONING, AND COMBING EASE

Enriched with softening and nourishing benefits, **WILSILK Smooth** delivers superior hair conditioning, frizz control, and easy detangling compared to Cyclomethicone.

Dry Combing Force Reduction,
4 Hours After Product Application



A. Dry combing comparison on dry Caucasian hair tresses between WILSILK Smooth and D5, using a Dia-Stron Combing Machine



B. Comparison of WILSILK Smooth vs D5 in equivalent hair oil formulation, applied onto dry Caucasian hair tresses

HOLDS CURLS, TAMES FRIZZ FOR ALL HAIR TYPES

From curly to damaged hair, **WILSILK Smooth** outperforms D5 in curl definition, frizz taming, and sleek hold, both before and after blow dry.



C. Comparison between D5 and WILSILK in hair oil, on curly and damaged hair, applied prior blow dry

LIGHT AS A FEATHER

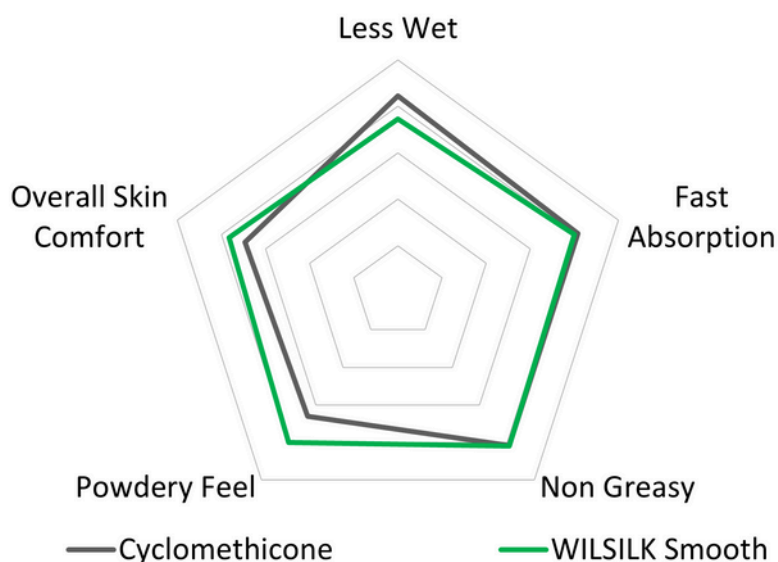
With WILSILK Smooth, enjoy a feather-light feel like D5, with an added touch of care.

As an emollient oil, **WILSILK Smooth** offers a layer of care, without tack or grease.

Thanks to its excellent spreading properties and volatility, **WILSILK Smooth** helps prolong active ingredients, enhancing the overall sensory experience and afterfeel.

In deodorant sprays, **WILSILK Smooth** extends the desirable powdery, dry feel, outperforming an equivalent D5 formulation.

SENSORY COMPARISON IN DEODORANT SPRAY



Sensory comparison of WILSILK Smooth vs D5 in equivalent deodorant spray formulation

HIGH DISPERSAL FOR SKINCARE AND MAKE UP

With excellent dispersing ability for pigments and titanium dioxide, **WILSILK Smooth** ensures even coverage and delivers an ideal soft, skin-smoothing feel.

Applications:

-  Moisturizer, Butter, Cream
-  Deodorant Spray
-  Hair Oil, Mask, Conditioner
-  Dry Shampoo
-  Makeup
-  Sunscreen

FORMULATION BAR

Hair Oil

BOTANICAL SLEEK

A silicone-free, vegan botanical hair oil that gives all day shine, softness, sleekness, and curl definition, thanks to **WILSILK SMOOTH** and **ERCAREL DIC V**.

FRIZZ CONTORL ★★★★★

SOFTNESS ★★★★★

CURL DEFINITION ★★★★★

SHINE ★★★★★

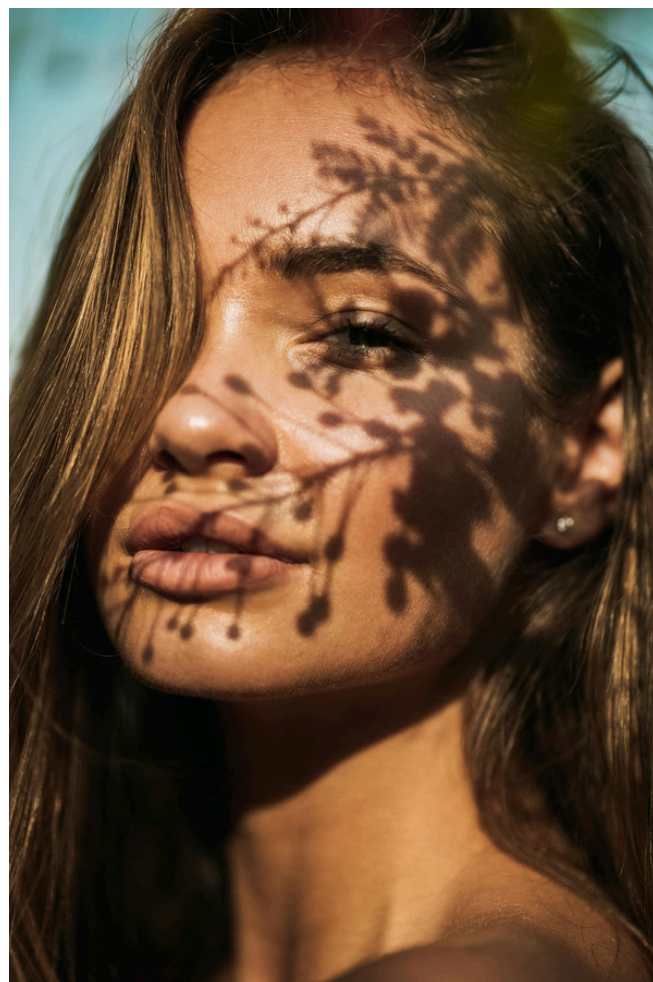
INGREDIENTS

A.	
WILSILK SMOOTH <i>C9-12 Alkane</i>	91
Alcohol	5
ERCAREL DIC V MB <i>Dicaprylyl Carbonate</i>	2
WILMAR Camelia Oil	1
Argan Oil	1

BEAUTY RECIPE

Combine all ingredients in a beaker, stir till consistent, using a spatula.

For samples and inquiries, contact:
OleoMarketing@wilmar.com.sg



Appearance:

Clear, colourless oil

FEATURED PRODUCTS

WILSILK SMOOTH **C9-12 Alkane**

Bio-based alternative to cyclomethicone, made from natural plant oils.

ERCAREL DIC V MB **Dicaprylyl Carbonate**

Vegan, biodegradable emollient, with high spreading and light feel.

WILMAR **Camelia Oil**

Moisturising, antioxidative emollient, derived from seeds of luxurious Camelia flowers. Used in moisturizers and hair products.