

WILSILK ULTRA

Plant-based, Biodegradable Silicone Alternative

Velvet Light Touch like Cyclomethicone



**READILY
BIODEGRADABLE**



PLANT-BASED



**NATURAL ORIGIN
INDEX 0.8**
ISO 16128



HALAL & KOSHER

INCI NAME

C9-12 Alkane
(and) C15-19 Alkane¹

FEATURES



FAST SPREADING
1532 mm²



**CLEAR, ODOUR &
COLOUR FREE**



VOLATILE



LOW VISCOSITY
10 cP at 20°C



**COSMETIC
COMPLIANT**



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



CYCLOMETHICONE REPLACER

As a plant-based, biodegradable alternative to Cyclomethicone, **WILSILK Ultra** delivers similar volatility and spreadability with a light to medium, non-greasy feel.

NOBEL PRIZE GREEN TECHNOLOGY

WILSILK Ultra is made from volatile hydrocarbons derived from plant oils using Metathesis, our patented **Nobel Prize-winning technology**.

VOLATILE AND ULTRA LIGHT

With its volatile, lightweight, and highly spreadable profile, **WILSILK Ultra** imparts good slip and a satin finish that leaves skin soft and conditioned.

WILSILK ULTRA Compared to Cyclomethicone²



¹ In EU and USA, INCI name: Dodecane (and) pentadecane (and) Octadecane

² Based on a sensory panel of 16 people

SEAMLESS COMFORT

With WILSILK Ultra,
indulge in air-light
touch on skin.



Among alkane-based alternatives
to Cyclomethicone, **WILSILK Ultra**
stands out for its smoothness,
excellent spreadability, and
pleasant skin feel.

With a volatility of 99.8%,
WILSILK Ultra offers exceptional
slip and a non-tacky sensory
profile, making it ideal for smooth,
quick-drying, and lightweight
formulations.

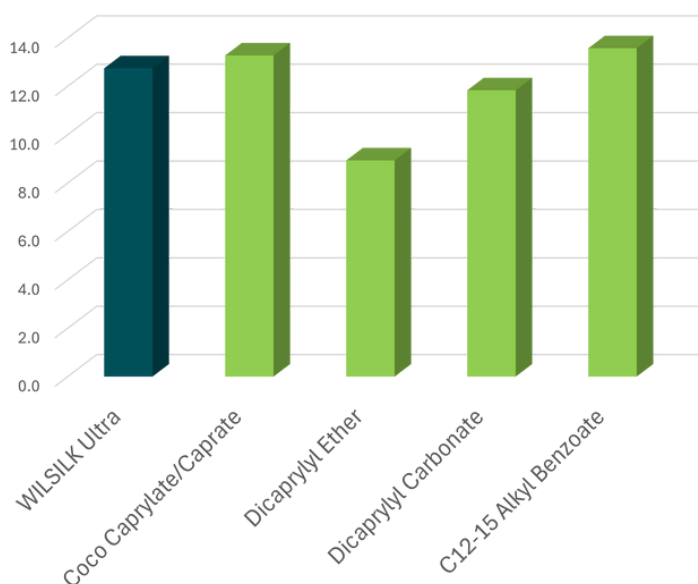
WILSILK ULTRA vs Competitor Alternatives



*Based on a sensory panel of 16 people

ENHANCED PIGMENT WETTING

Dispersability of TiO₂



In addition to its excellent emollient
properties, **WILSILK Ultra** helps
disperse pigments like titanium
dioxide, ensuring a uniform
distribution of actives within the
formulation.

Ideal as a sensory and functional
ingredient in skincare, color
cosmetics, suncare, and deodorant
formulations.

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

BB Cream

VELVET GLOW SPF 50+

A luxurious SPF 50+ BB cream offering smooth coverage and a velvet feel, thanks to **WILSILK Ultra** and **WILSOL SPF Booster**.

SMOOTHNESS ★★★★★
COVERAGE ★★★★★
COMFORT ★★★★★

INGREDIENTS

A.	
Deionised Water	q.s.
WILFARIN USP-997 Glycerin	3
Succinoglycan, Rheozan® SH	0.4
B.	
Ethylhexyl Methoxycinnamate, Eusolex® 2292	6
Ethylhexyl Salicylate, Eusolex® OS	4
WILSILK ULTRA C9-12 alkane (and) C15-19 alkane	5
Titanium dioxide (CI 77891)	6
Butyl Methoxydibenzoylmethane, Eusolex® 9020	3
ERCAREL DOE V Dicaprylyl Ether	5
WILSOL SPF Booster Hydrogenated Soy Polyglycerides (and) C15-23 Alkane	2.5
ERCAREL CAP V Coco Caprylate/Caprates	3
ERCAWAX CE V MB Glyceryl Stearate Citrate	2
WILFAROL 1618 Cetearyl Alcohol	1
ERCAGREEN 3S MB Polyglyceryl-3 Stearate	1
ERCASORB TO V Sorbitan Trioleate, Span® 85	1
CI 77492	0.6
CI 77491	0.1
C.	
Phenoxyethanol (and) Decylene Glycol (and) 1,2-Hexanediol, SymOcide® PS	1.4
Acrylates/Beheneth-25 Methacrylate Copolymer	0.3
20% Sodium Hydroxide Solution	q.s.
Fragrance	0.2



Viscosity: 32 500 mPa · s
(10rpm, RV-6)

Stability: 50°C (1 month), 40°C
(3 months)

BEAUTY RECIPE

1. Beaker A: Disperse Succinoglycan into Glycerin until well dispersed. Slowly add water and stir with spatula.
2. Beaker B: Mix all ingredients. Heat both beaker A and B until well dissolved.
3. Homogenise Beaker B for 1 minute. Pour mixture slowly into Beaker A, using homogeniser. Homogenise for 3-4 minutes.
4. Stir mixture using overhead stirrer to cool and add part C.

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*Sustainable Beauty,
 From Multi-Plant Origins*

Soft Stick

SWEAT DEFENSE ANTIPERSPIRANT STICK

A skin-soothing antiperspirant stick that delivers a fresh skin feel all day, thanks to **WILSILK Ultra** and **ERCAREL DOE V**.

SMOOTHNESS ★★★★★

FRESHNESS ★★★★★

COMFORT ★★★★★

INGREDIENTS

A.	
WILSILK ULTRA C9-12 alkane (and) C15-19 alkane	44
ERCAREL DOE V Dicaprylyl Ether	6
Tribehenin	22
Petrolatum	3
Dimethicone	3
B.	
Aluminium Chlorohydrate	19

BEAUTY RECIPE

1. Mix and stir Part A ingredients under stirring until everything dissolved. Stir at 300 rpm.
2. Cool down the batch to 50°C, then add Part B. Stir for 10 mins at 400 rpm.
3. Use a homogeniser to homogenise the mixture at 5000 rpm for 3 mins.
4. Continue mixing using an overhead stirrer to cool down.



Appearance: White Solid

Stability: 50°C (1 month), 40°C (3 months)

FEATURED PRODUCTS

WILSILK ULTRA

C9-12 alkane (and) C15-19 alkane

Bio-based alternative to silicone, made from natural oils.

ERCAREL DOE V

Dicaprylyl Ether

A plant-based emollient that forms a protective layer on the skin without any greasy feel.

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