

# WISOL SPF BOOSTER

Transforming Sun Protection Technology by improving SPF performance

## SYNTHETIC POLYMER REPLACER

Improve sun protection, with natural ingredients. **WISOL SPF Booster** is a pioneering bio-based polymer proven to boost SPF strength by improving filter effectiveness by 3x.\*

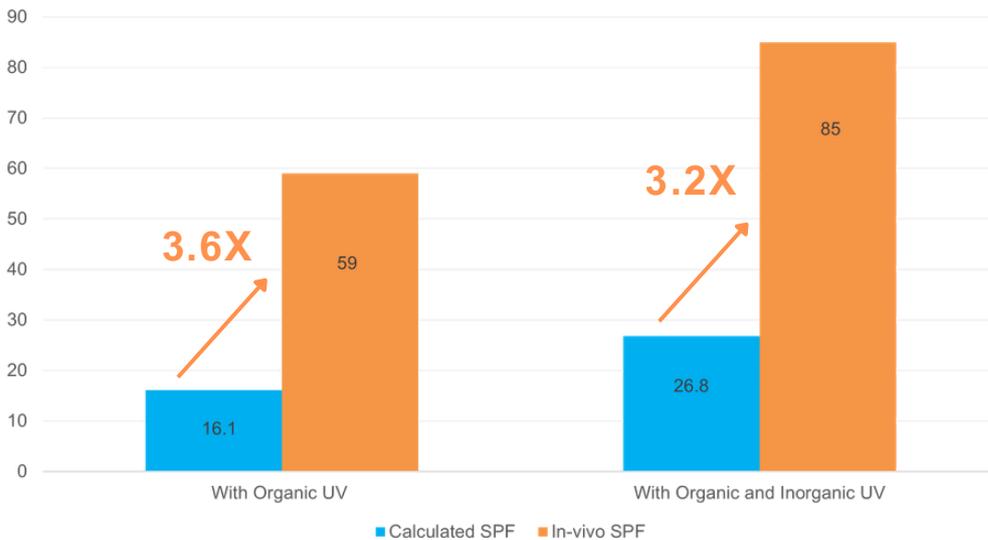
## GREEN TECHNOLOGY

Our sustainable polymer is made with metathesis, a **Nobel Prize winning technology** that creates plant-based multi-functional polymers for personal care applications.

## 3X SPF BOOST

Thanks to its SPF boost, **achieve higher sun protection with lower UV filter content** while optimising formulation costs.

4% WISOL SPF BOOSTER



\* Over calculated SPF value. In-vivo studies indicate that WISOL SPF Booster can provide an increase up to 3x-4x over calculated SPF value, enabling higher SPF with lower UV filter dosage. Recommended for SPF Boosting: 3-4% (as supplied)

## INCI NAME

Hydrogenated Soy Polyglycerides (and) C15-23 Alkanes

## FEATURES



**BIODEGRADABLE**



**PLANT-BASED**



**NATURAL ORIGIN INDEX 1**  
ISO 16128



**HALAL, KOSHER & VEGAN**



**OFF-WHITE TO BEIGE COLOUR**



**LOW MELTING**  
118-140°F | 47-60°C



**BUILDS VISCOSITY**  
In Oil-Based Formula



# Feel Good on Skin

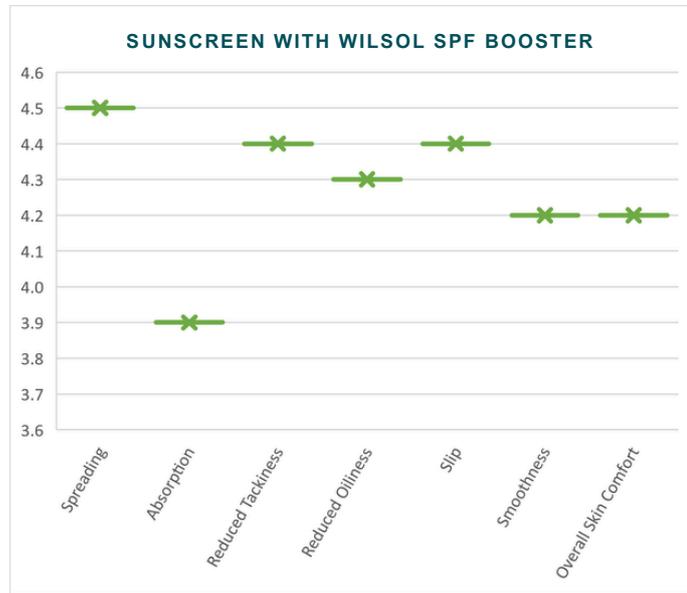
A green polymer that is smooth, dry, and feather light on skin.  
 No tacky, waxy, sticky feeling.

## BREATHABLE, LIGHT FEELING

Superior performance in spreading, slip and smoothness.

Compared to synthetic polymers, **WISOL SPF Booster** is less oily and tacky, offering a light, comfortable texture for all day sunscreen protection.

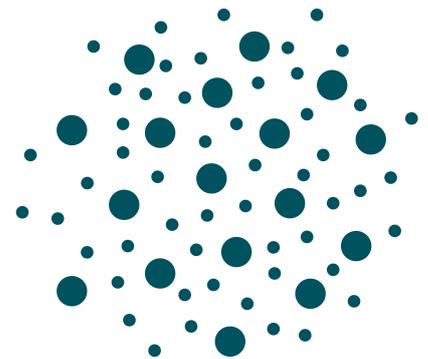
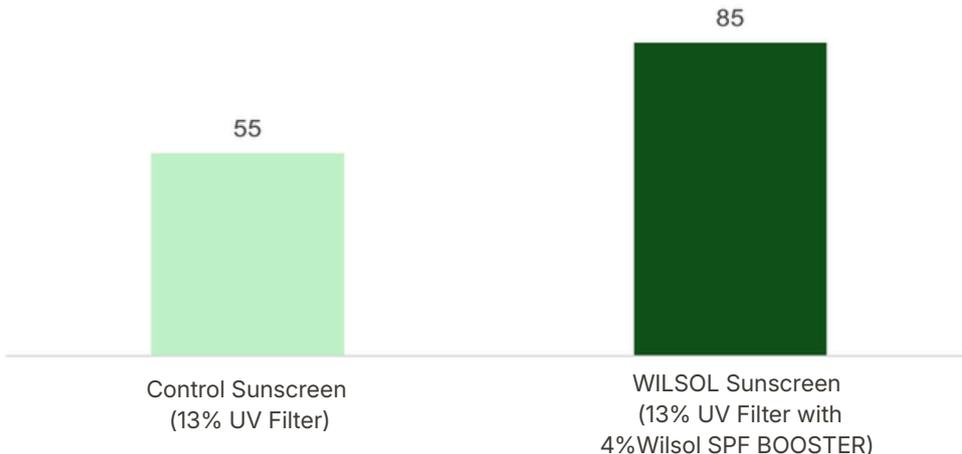
- Reduced Tackiness: 4.4**
- Overall Comfort: 4.2**
- Spreading: 4.5**
- Slip: 4.4**
- Reduced Oiliness: 4.3**
- Smoothness: 4.2**
- Absorption: 3.9**



## MORE SPF, LESS FILTER

With equal dosage of UV filters, our SPF Booster **increases in-vivo SPF** by +54%, boosting SPF **while saving filter usage**.

WISOL SPF Booster  
 In-Vivo SPF



As a plant-based polymer, it helps create uniform UV dispersal, enhancing SPF effectiveness in O/W systems.

# FORMULATION BAR



## SUNSCREEN

### WILSOL UV GUARD DAILY LOTION SPF 50+

All day sun protection, with a light weight, smooth texture like invisible skin, thanks to **WILSOL SPF Booster** and **ERCAREL DOE V**.

**LIGHTNESS** ★★★★★  
**ECO** ★★★★★  
**LONGEVITY** ★★★★★  
**OPACITY** ★★★★★

#### Appearance:

White, opaque viscous liquid

**pH:** 7.0-7.20

#### Viscosity:

30000-35000 mPa·s  
(10rpm, RV-7)

### BEAUTY RECIPE

1. Beaker A: Add Part A.

2. Beaker B: Add Part B.

Heat both beaker A and B until everything has dissolved.

3. Pour contents of beaker B slowly into A under high-speed stirring once everything has dissolved.

Turn off heat, stir to cool and add part C.

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

#### INGREDIENTS

<b>A.</b>	
Deionised Water	qs
<b>WILFARIN USP-997</b> <i>Glycerine</i>	<b>3.0</b>
<b>B.</b>	
Eusolex® 2292 Ethylhexyl Methoxycinnamate	10.0
Eusolex® OS Ethylhexyl Salicylate	10.0
<b>ERCAREL CAP V</b> <i>Coco Caprylate/Caprates</i>	<b>4.0</b>
<b>ERCAREL DOE V</b> <i>Dicaprylyl Ether</i>	<b>6.0</b>
<b>WILSOL SPF Booster</b> <i>Hydrogenated Soy Polyglycerides (and) C15-23 Alkane</i>	<b>4.0</b>
Eusolex® 9020 Butyl Methoxydibenzoylmethane	4.0
<b>ERCAMULS LF 65 V F/D</b> <i>Glyceryl Stearate (and) PEG-100 Stearate</i>	<b>3.0</b>
<b>WILFAROL 1618</b> <i>Cetearyl Alcohol</i>	<b>1.5</b>
Titanium Dioxide powder	4.0
<b>C.</b>	
Acrylates/Beheneth-25 Methacrylate Copolymer	1.0
20% Sodium Hydroxide Solution	qs
Phenoxyethanol (and) Decylene Glycol (and) 1,2-Hexanediol	1.4
Fragrance	0.2

# Foundation

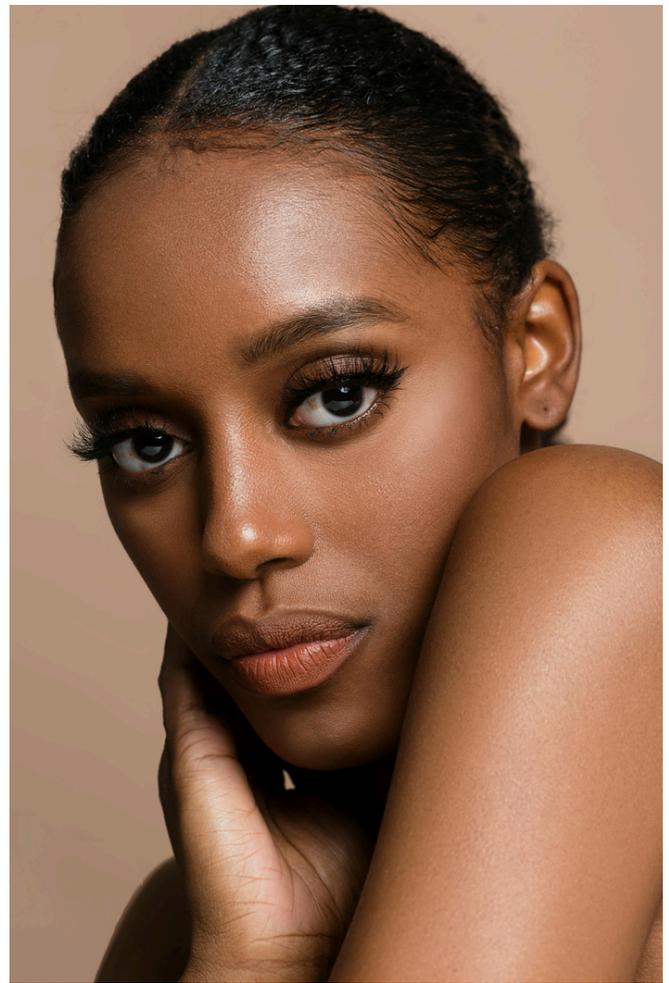
## VELVET GLOW SPF 50+

A luxurious SPF 50+ foundation with smooth coverage and velvet feel, thanks to **WILSILK ULTRA** and **WILSOL SPF BOOSTER**.

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

### INGREDIENTS

A.	
Deionised Water	q.s.
<b>WILFARIN USP-997</b> Glycerin	<b>3</b>
Succinoglycan, Rheozan® SH	0.4
B.	
Ethylhexyl Methoxycinnamate, Eusolex® 2292	6
Ethylhexyl Salicylate, Eusolex® OS	4
<b>WILSILK ULTRA</b> Dodecane (and) Pentadecane (and) Octadecane	<b>5</b>
Titanium dioxide (CI 77891)	6
Butyl Methoxydibenzoylmethane, Eusolex® 9020	3
<b>ERCAREL DOE V</b> Dicaprylyl Ether	<b>5</b>
<b>WILSOL SPF Booster</b> Hydrogenated Soy Polyglycerides (and) C15-23 Alkane	<b>2.5</b>
<b>ERCAREL CAP V</b> Coco Caprylate/Caprates	<b>3</b>
<b>ERCAWAX CE V MB</b> Glyceryl Stearate Citrate	<b>2</b>
<b>WILFAROL 1618</b> Cetearyl Alcohol	<b>1</b>
<b>ERCAGREEN 3S MB</b> Polyglyceryl-3 Stearate	<b>1</b>
<b>ERCASORB TO V</b> Sorbitan Trioleate, Span® 85	<b>1</b>
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.

For samples and inquiries, contact:  
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