



KSL-421-BR

# Natural, Tinted Sunscreen with IR Protection



%	INGREDIENT	INCI NAME	SUPPLIER
<b>Part 1</b>			
19.87	Deionized Water	Water	
1.50	Glicerina Bi-Destilada U.S.P.	Glycerin	Synth
0.50	Cloreto de Sódio	Sodium Chloride	CAAL
<b>Part 2</b>			
22.00	<b>GC70MZCSG</b>	Zinc Oxide (And) Caprylic/Capric Triglyceride (And) Stearoyl Glutamic Acid (And) Glyceryl Behenate/Eicosadioate	<b>Kobo Products</b>
15.50	Tegosoft® CT	Caprylic/Capric Triglyceride	Evonik
15.00	<b>JOSP50TJE</b>	Simmondsia Chinensis (Jojoba) Seed Oil (And) Titanium Dioxide (And) Aluminum Hydroxide (And) Jojoba Esters (And) Polyhydroxystearic Acid	<b>Kobo Products</b>
5.22	<b>JOH45YJE</b>	Iron Oxides (CI 77492) (And) Simmondsia Chinensis (Jojoba) Seed Oil (And) Jojoba Esters (And) Polyglyceryl-6 Polyricinoleate (And) Silica	<b>Kobo Products</b>
5.00	<b>TiO2-IR300-ASG3</b>	Titanium Dioxide (And) Stearoyl Glutamic Acid	<b>Kobo Products</b>
3.50	Emulium® Illustro	Polyglyceryl-6 Polyhydroxystearate (And) Polyglyceryl-6 Polyricinoleate (And) Polyglycerin-6	Gattefosse
2.71	<b>JOH65UJE</b>	Titanium Dioxide (And) Simmondsia Chinensis (Jojoba) Seed Oil (And) Jojoba Esters (And) Polyglyceryl-6 Polyricinoleate (And) Silica	<b>Kobo Products</b>
2.00	<b>SunBoost ATB Natural</b>	Argania Spinosa Kernel Oil (And) Tocopheryl Acetate (And) Bisabolol	<b>Kobo Products</b>
1.50	Olivem® 900	Sorbitan Oliviate	Hallstar/Quantiq
1.13	<b>JOH55RJE</b>	Iron Oxides (CI 77491) (And) Simmondsia Chinensis (Jojoba) Seed Oil (And) Jojoba Esters (And) Polyglyceryl-6 Polyricinoleate (And) Silica	<b>Kobo Products</b>
0.50	Tecwax Abelha	Beeswax	Cosmotec
0.47	<b>JOH55BJE</b>	Iron Oxides (CI 77499) (And) Simmondsia Chinensis (Jojoba) Seed Oil (And) Jojoba Esters (And) Polyglyceryl-6 Polyricinoleate (And) Silica	<b>Kobo Products</b>
0.10	<b>SALACOS® HS-6C</b>	Polyhydroxystearic Acid	<b>Ikeda/Kobo Products</b>
<b>Part 3</b>			
1.00	Lexgard® Natural	Glyceryl Caprylate (and) Glyceryl Undecylenate	Inolex
<b>Part 4</b>			
1.70	<b>MSS-500/3H</b>	Silica	<b>Kobo Products</b>
0.80	<b>FLORITE PS-10</b>	Calcium Silicate	<b>Kobo Products</b>
<b>100.00</b>			

## Description:

This Natural Tinted Sunscreen, composed of only mineral filters, was developed to protect skin from UVA, UVB and IR radiation. It features natural dispersions JOSP50TJE, TiO2 in Jojoba Oil, and GC70MZCSG, ZnO in Caprylic/Capric Triglyceride to provide UVB and UVA protection. SunBoost ATB Natural is a proprietary ratio of antioxidant, anti-irritant and anti-inflammatory agents, that boosts SPF and PFA. TiO2-IR300-ASG3, Titanium Dioxide treated with amino acid, provides IR protection. Kobo's JOH Pigmentary Dispersions based on natural oils and dispersants, provide full color development and ease of use. SALACOS® HS-6C, helps in sunscreen dispersion. Calcium silicate microsphere FLORITE PS-10 and silica microsphere MSS-500/3H contribute to a non-oily after feel while MSS-500/3H also imparts creaminess.

## Manufacturing Procedure:

1. Combine Part 1 and heat to 75°C.
2. Combine Part 2. Mix until homogeneous and heat to 75°C.
3. Add Part 1 slowly under stirring to Part 2 and mix until homogeneous.
4. Cool to 50°C and add Parts 3 and 4. Mix until homogeneous.
5. Cool to 25°C under stirring.

## Active Inaredient(s):

Titanium Dioxide	5.85%
Zinc Oxide	14.96%

## Testing:

SPF: in vivo on 3 subjects  
UVA-PF: in vivo on 3 subjects

## Notes:

CW: 381nm; tested using ISO 24443:2012 methodology



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www.koboproducts.com

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