



KSL-518C-EU

## Prime'n Glow Fluid Sunscreen SPF 30



%	INGREDIENT	INCI NAME	SUPPLIER
<b>Part 1</b>			
15.00	<b>ZNO XZ-11S3L</b>	Zinc Oxide (And) Triethoxycaprylylsilane	<b>Kobo Products</b>
12.61	BRB DM 2	Dimethicone	BRB International BV
12.00	Purolan IDD	Isododecane	Lanxess
3.00	Hallbrite BHB	Butyloctyl Salicylate	Hallstar
2.00	<b>Sunboost ATB Natural</b>	Argania Spinosa Kernel Oil (And) Tocopheryl Acetate (And) Bisabolol	<b>Kobo Products</b>
<b>Part 2</b>			
6.00	<b>INP60T7</b>	Titanium Dioxide (And) Isononyl Isononanoate (And) Alumina (And) Hydrogen Dimethicone (And) Polyhydroxystearic Acid	<b>Kobo Products</b>
2.86	<b>KOBOGUARD® NATURAL 3000-CCT70</b>	Glyceryl Hydrogenated Rosinate (And) Caprylic/Capric Triglyceride	<b>Kobo Products</b>
<b>Part 3</b>			
0.40	<b>DIM2F45TRY</b>	Dimethicone (And) Iron Oxides (CI 77492) (And) PEG-9 Polydimethylsiloxylethyl Dimethicone (And) Hydrogen Dimethicone (And) Polyglyceryl-4 Isostearate (And) Cetyl PEG/PPG-10/1 Dimethicone (And) Hexyl Laurate	<b>Kobo Products</b>
0.14	<b>DIM2F50TRR</b>	Dimethicone (And) Iron Oxides (CI 77491) (And) PEG-9 Polydimethylsiloxylethyl Dimethicone (And) Hydrogen Dimethicone (And) Polyglyceryl-4 Isostearate (And) Cetyl PEG/PPG-10/1 Dimethicone (And) Hexyl Laurate	<b>Kobo Products</b>
0.05	<b>KTZ® EBONY</b>	Iron Oxides (CI 77499) (And) Mica	<b>Kobo Products</b>
<b>Part 4</b>			
10.00	Gransil DM 5	Dimethicone (And) Polysilicone-11	Grant Industries
3.00	KF-6038	Lauryl PEG-9 Polydimethylsiloxylethyl Dimethicone	Shin-Etsu
2.00	KSG-320	Isododecane (And) PEG-15 Lauryl Dimethicone Crosspolymer	Shin-Etsu
<b>Part 5</b>			
16.50	P. water	Deionized Water	x
5.00	Butylene Glycol	Butylene Glycol	Univar
1.00	Mg Sulfate Hept	Magnesium Sulfate Heptahydrate	Fisher Scientific
0.80	Symdiol 68	1,2-Hexanediol (And) Caprylyl Glycol	Symrise
0.50	Symsave H	Hydroxyacetophenone	Symrise
<b>Part 6</b>			
3.00	<b>CARESS® BN12</b>	Boron Nitride	<b>Kobo Products</b>
2.00	<b>MSS-500W</b>	Silica	<b>Kobo Products</b>
1.00	<b>KTZ® CELANDON GOLD-11S2</b>	Titanium Dioxide (And) Mica (And) Iron Oxides (CI 77491) (And) Triethoxycaprylylsilane	<b>Kobo Products</b>
<b>98.86</b>			

## Description:

A tinted mineral sunscreen formula that is super lightweight when applied to the skin. Due to its fluid nature, it can be also filled in a dropper bottle and be used as a serum SPF skin tint. A 20 nm PPS, transparent, silane treated Zinc Oxide, ZnO XZ-11S3L, and 47% active dispersion of 15 nm PPS TiO2 in Isononyl Isononanoate, INP60T7 have been used to achieve SPF 30 and broad spectrum protection. Sunboost ATB Natural is also used to boost sun protection and provide anti-oxidant protection to the skin. KOBOGUARD® NATURAL 3000-CCT70 is a natural film former based on Glyceryl Hydrogenated Rosinate, helping the even deposition of the mineral filters on the skin. DIM2F50TRR and DIM2F45TRY are dispersions of transparent iron oxides that give the formula a tint without imparting any coverage to the formula. KTZ® EBONY, a black colored pearl helps to achieve the skin color tone. MSS-500/W improves the spreadability of the formula and CARESS® BN12 imparts a lovely silky finish. Lastly, KTZ® CELANDON GOLD-11S2 gives the product a subtle glowy effect.

## Manufacturing Procedure:

1. Prepare Part 1 and disperse ZnO at 8000 RPM for 10 minutes.
2. Add Part 2 and mix, add part 3 and homogenise at 3000 RPM for 2 minutes. Add part 4 and homogenise at 3500 RPM until smooth.
3. Prepare Part 5. Add Part 5 to Part 1 under propeller stirrer at 1000 RPM.
4. Add Part 6 under propeller stirrer.

## Active Inredient(s):

Zinc Oxide	14.55%
Titanium Dioxide	2.88%

## Testing:

SPF: in vivo on 5 subjects  
 UVA-PF: in vitro method  
 CW: FDA method



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