



KSL-518A-EU

# Prime'n Glow Fluid Sunscreen SPF 50+



%	INGREDIENT	INCI NAME	SUPPLIER
<b>Part 1</b>			
23.00	<b>ZNO XZ-11S3L</b>	Zinc Oxide (And) Triethoxycaprylylsilane	<b>Kobo Products</b>
11.61	Purolan IDD	Isododecane	Lanxess
11.00	BRB DM 2	Dimethicone	BRB International BV
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>			
8.00	<b>INP60T7</b>	Titanium Dioxide (And) Isononyl Isononanoate (And) Alumina (And) Hydrogen Dimethicone (And) Polyhydroxystearic Acid	<b>Kobo Products</b>
4.00	<b>KOBOGUARD® MQ60DM</b>	Trimethylsiloxysilicate (And) Dimethicone	<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>			
5.00	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>			
13.50	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>100.00</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 TiO<sub>2</sub> in Isononyl Isononanoate, INP60T7 have been used to achieve SPF 50 and broad spectrum protection. Sunboost ATB Natural is also used to boost sun protection and provide anti-oxidant protection to the skin. KOBOGUARD® MQ60DM is a film former based on Trimethylsiloxysilicate, 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-500W 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 Inaredient(s):

Titanium Dioxide	3.84%
Zinc Oxide	22.31%

## Testing:

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



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