



KSL-518A-EU

Prime'n Glow Fluid Sunscreen SPF 50+



%	INGREDIENT	INCI NAME	SUPPLIER
Part 1			
23.00	ZNO XZ-11S3L	Zinc Oxide (And) Triethoxycaprylylsilane	Kobo Products
11.61	Purotan IDD	Isododecane	Lanxess
11.00	BRB DM 2	Dimethicone	BRB International BV
3.00	Hallbrite BHB	Butyloctyl Salicylate	Hallstar
2.00	Sunboost ATB Natural	Argania Spinosa Kernel Oil (And) Tocopheryl Acetate (And) Bisabolol	Kobo Products
Part 2			
8.00	INP60T7	Titanium Dioxide (And) Isononyl Isononanoate (And) Alumina (And) Hydrogen Dimethicone (And) Polyhydroxystearic Acid	Kobo Products
4.00	KOBOGUARD® MQ60DM	Trimethylsiloxysilicate (And) Dimethicone	Kobo Products
Part 3			
0.40	DIM2F45TRY	Dimethicone (And) Iron Oxides (CI 77492) (And) PEG-9 Polydimethylsiloxyethyl Dimethicone (And) Hydrogen Dimethicone (And) Polyglyceryl-4 Isostearate (And) Cetyl PEG/PPG-10/1 Dimethicone (And) Hexyl Laurate	Kobo Products
0.14	DIM2F50TRR	Dimethicone (And) Iron Oxides (CI 77491) (And) PEG-9 Polydimethylsiloxyethyl Dimethicone (And) Hydrogen Dimethicone (And) Polyglyceryl-4 Isostearate (And) Cetyl PEG/PPG-10/1 Dimethicone (And) Hexyl Laurate	Kobo Products
0.05	KTZ® EBONY	Iron Oxides (CI 77499) (And) Mica	Kobo Products
Part 4			
5.00	Gransil DM 5	Dimethicone (And) Polysilicone-11	Grant Industries
3.00	KF-6038	Lauryl PEG-9 Polydimethylsiloxyethyl Dimethicone	Shin-Etsu
2.00	KSG-320	Isododecane (And) PEG-15 Lauryl Dimethicone Crosspolymer	Shin-Etsu
Part 5			
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
Part 6			
3.00	CARESS® BN12	Boron Nitride	Kobo Products
2.00	MSS-500W	Silica	Kobo Products
1.00	KTZ® CELANDON GOLD-11S2	Titanium Dioxide (And) Mica (And) Iron Oxides (CI 77491) (And) Triethoxycaprylylsilane	Kobo Products
100.00			

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 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 Inredient(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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FORMULATIONS

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