



KSL-422-BR

Tinted Mineral Sunscreen



%	INGREDIENT	INCI NAME	SUPPLIER
Part 1			
26.80	Deionized Water	Water	
1.50	Glicerina Bi-Destilada U.S.P.	Glycerin	Synth
0.60	Cloreto de Sódio	Sodium Chloride	CAAL
Part 2			
17.50	ZNO-C-ASG3J	Zinc Oxide (And) Stearoyl Glutamic Acid	Kobo Products
16.00	CAP50M170	Titanium Dioxide (And) Coconut Alkanes (And) Alumina (And) Hydrogen Dimethicone (And) Polyhydroxystearic Acid	Kobo Products
10.00	COSMOL™ 525	Neopentyl Glycol Diethylhexanoate	Ikeda/Kobo Products
5.00	T.I.O.	Triethylhexanoin	Ikeda/Kobo Products
4.00	KF-6038	Lauryl PEG-9 Polydimethylsiloxyethyl Dimethicone	Shin-Etsu
4.00	Bentone Gel® ISD V	Isododecane (And) Distearidimonium Hectorite (And) Propylene Carbonate	Cosmotec
3.67	RBTD-I2	Titanium Dioxide (And) Isopropyl Titanium Triisostearate	Kobo Products
3.00	COSMOL™ 182V	Sorbitan Sesquiosostearate	Ikeda/Kobo Products
2.00	SunBoost ATB	Argania Spinosa Kernel Oil (And) Tocopheryl Acetate (And) Bisabolol	Kobo Products
1.00	KOBOGUARD® 5400 CCT	Hydrogenated Polycyclopentadiene (And) Caprylic/Capric Triglyceride	Kobo Products
1.00	Cosmoguard® SL CP	Phenoxyethanol (and) Ethylhexylglycerin	Cosmotec
0.94	BYO-I2	Iron Oxides (CI 77492) (And) Isopropyl Titanium Triisostearate	Kobo Products
0.60	Thixcin® R PC	Trihydroxystearin	Elementis Specialties
0.50	SALACOS® HS-6C	Polyhydroxystearic Acid	Ikeda/Kobo Products
0.25	BRO-I2	Iron Oxides (CI 77491) (And) Isopropyl Titanium Triisostearate	Kobo Products
0.14	BBO-I2	Iron Oxides (CI 77499) (And) Isopropyl Titanium Triisostearate	Kobo Products
Part 3			
1.50	MSS-500/3H	Silica	Kobo Products
100.00			

Description:

This Tinted Mineral Sunscreen offers light coverage while protecting skin from UVA/UVB light. The SPF and UVA-PF are due to sunscreen dispersion of Titanium Dioxide, CAP50M170, and non-nano Zinc Oxide powder, ZNO-C-ASG3J, coated with ASG treatment that imparts a creamy feel. SunBoost ATB contains a proprietary ratio of anti-oxidant, anti-irritant and anti-inflammatory agents to help boost SPF and PFA. Kobo's ITT treated pigments give tint to this sunscreen product. SALACOS® HS-6C helps with sunscreen and pigment dispersion and the combination of COSMOL™ 525 with T.I.O. Provides a nice after feel. COSMOL™ 182V improves formula stability. KOBOGUARD® 5400 CCT is an oil soluble film former that helps with product wear. Silica microsphere MSS-500/3H contributes to the matte effect.

Manufacturing Procedure:

1. Combine Part 1 and heat to 45-50°C.
2. Combine Part 2, mix until full dispersion of Zinc Oxide and pigments. Heat to 45-50°C.
3. Add Part 1 slowly and under stirring to Part 2 and mix until homogeneous.
4. Add Part 3 and mix until homogeneous.
5. Cool to 25°C under stirring.

Active Ingredient(s):

Titanium Dioxide	6.32%
Zinc Oxide	16.98%

Testing:

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

Notes:

CW: 379nm; tested using ISO 24443:2012 methodology



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