



KSL-406-BR Mineral Sunscreen



%	INGREDIENT	INCI NAME	SUPPLIER
Part 1			
29.50	Deionized Water	Water	
1.50	Glicerina Bi-Destilada U.S.P.	Glycerin	Synth
0.50	Cloreto de Sódio	Sodium Chloride	CAAL
Part 2			
20.00	INH73MZ	Zinc Oxide (And) Isononyl Isononanoate (And) Polyglyceryl-6 Polyricinoleate (And) Isopropyl Titanium Triisostearate	Kobo Products
17.00	PM1P70T7	Titanium Dioxide (And) Isohexadecane (And) Alumina (And) Hydrogen Dimethicone (And) Polyhydroxystearic Acid	Kobo Products
5.00	COSMOL™ 525	Neopentyl Glycol Diethylhexanoate	Ikeda/Kobo Products
4.00	KF-6038	Lauryl PEG-9 Polydimethylsiloxyethyl Dimethicone	Shin-Etsu
3.50	T.I.O.	Triethylhexanoin	Ikeda/Kobo Products
3.00	COSMOL™ 182V	Sorbitan Sesquiosostearate	Ikeda/Kobo Products
3.00	Bentone Gel® ISD V	Isododecane (And) Disteardimonium Hectorite (And) Propylene Carbonate	Cosmotec
2.50	CXG-1104	Dimethicone (And) Dimethicone/Vinyl Dimethicone Crosspolymer	Avantor/Kobo Products
2.00	SunBoost ATB	Argania Spinosa Kernel Oil (And) Tocopheryl Acetate (And) Bisabolol	Kobo Products
1.50	Tecwax Ozoquerita	Ozokerite	Cosmotec
1.50	KOBOGUARD® MQ65TMF	Trimethylsiloxysilicate (And) Methyl Trimethicone	Kobo Products
Part 3			
1.00	Cosmoguard® SL CP	Phenoxyethanol (and) Ethylhexylglycerin	Cosmotec
Part 4			
4.50	MSS-500/3H	Silica	Kobo Products
100.00			

Description:

This Mineral Sunscreen has a creamy and non-oily after feel. The SPF and UVA-PF are due to sunscreen dispersions of Titanium Dioxide PM1P70T7, and Zinc Oxide INH73MZ, both attenuation grade, for a low whitening effect. SunBoost ATB contains a proprietary ratio of anti-oxidant, anti-irritant and anti-inflammatory agents to help boost SPF and PFA. KOBOGUARD® MQ65TMF is a resin that contributes to formula wear. COSMOL™ 182V helps improve formula stability. COSMOL™ 525, T.I.O and CXG-1104 elastomer are used to provide nice feel. MSS-500/3H imparts a matte effect.

Manufacturing Procedure:

1. Combine Part 1 and heat to 80 °C.
2. Combine Part 2 and heat to 80 °C.
3. Add Part 1 slowly to Part 2 while mixing.
4. Cool to 50 °C and add Part 3.
5. Cool to 25 °C and add Part 4.

Active Ingredient(s):

Titanium Dioxide	9.35%
Zinc Oxide	14.20%

Testing:

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

Notes:

CW: 370nm; tested using ISO 24443:2012 methodology



FORMULATIONS

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