



KSL-459-BR 90+ Sunscreen



%	INGREDIENT	INCI NAME	SUPPLIER
Part 1			
11.20	Deionized Water	Water	
2.00	Glicerina Bi-Destilada U.S.P.	Glycerin	Synth
0.50	Sulfato de Magnésio	Magnesium Sulphate	Sintética
Part 2			
23.00	Tegosoft TN	C12-15 Alkyl Benzoate	Cosmotec/Evonik
20.00	INP60T7	Titanium Dioxide (And) Isononyl Isononanoate (And) Alumina (And) Hydrogen Dimethicone (And) Polyhydroxystearic Acid	Kobo Products
9.80	TNSS75MZCM	Zinc Oxide (And) Ethylhexyl Methoxycrylene (And) C12-15 Alkyl Benzoate (And) Polyhydroxystearic Acid (And) Hydrogen Dimethicone	Kobo Products
5.00	KSG-210	Dimethicone (and) Dimethicone/PEG-10/15 Crosspolymer	Shin-Etsu
4.00	KF-6038	Lauryl PEG-9 Polydimethylsiloxylethyl Dimethicone	Shin-Etsu
2.50	SunBoost ATB	Argania Spinosa Kernel Oil (And) Tocopheryl Acetate (And) Bisabolol	Kobo Products
1.50	COSMOL™ 182V	Sorbitan Sesquiossearate	Ikeda/Kobo Products
1.00	KOBOGUARD® MQ75ETS	Trimethylsiloxysilicate (And) Ethyl Trisiloxane	Kobo Products
0.50	Ozokerite Wax	Ozokerite	Cosmotec
Part 3			
1.00	Cosmoguard® SL-CP	Phenoxyethanol (and) Ethylhexylglycerin	Cosmotec
Part 4			
10.00	Tinosorb S Lite Aqua	Bis-Ethylhexyloxyphenol Methoxyphenyl Triazine (and) Acrylates/C12-22 Alkyl Methacrylate Copolymer	Embacaps/Basf
6.00	Tinosorb M	Methylene Bis-Benzotriazolyl Tetramethylbutylphenol (and) Aqua (and) Decyl Glucoside (and) Propylene Glycol (and) Xanthan Gum	Embacaps/Basf
Part 5			
2.00	MSS-500/3H	Silica	Kobo Products
100.00			

Description:

This high SPF, broad spectrum protection sunscreen, has a non-oily after feel and is composed of mineral and organic filters. The combination of Kobo's attenuation grade dispersions TNSS75MZCM (Non-Nano Zinc Oxide dispersion containing Ethylhexyl Methoxycrylene) and INP60T7 (TiO2 dispersion) contributes to SPF, PFA and CW. SunBoost ATB contains a proprietary ratio of anti-oxidant, anti-irritant and anti-inflammatory agents to help boost SPF and PFA; KOBOGUARD® MQ75ETS is a resin that contributes to formula wear. COSMOL™ 182V improves formula stability. MSS-500/3H contributes to the matte finish.

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. Add Part 3 and mix.
5. Cool to 50° C and heat Part 4 to 50° C.
6. Add Part 4 and mix until homogeneous.
7. Cool to 30-25° C.
8. Add Part 5 and mix until homogeneous.

Active Inaredient(s):

Titanium Dioxide	9.60%
Zinc Oxide	7.06%
Bis-Ethylhexyloxyphenol Methoxyphenyl Triazine	2.00%
Methylene Bis-Benzotriazolyl Tetramethylbutylphenol	3.00%

Testing:

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

Notes:

CW: 372nm; tested using ISO 24443:2012 methodology



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FORMULATIONS

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