



KSL-453A-BR

Mineral Sunscreen Spray



%	INGREDIENT	INCI NAME	SUPPLIER
Part 1			
59.10	Deionized Water	Water	
3.00	Exilva FM 02-V	Water (And) Cellulose	Borregard/Kobo Products
1.50	Glicerina Bi-Destilada U.S.P.	Glycerin	Synth
0.10	Goma Xantana	Xantham Gum	M Cassab
Part 2			
14.20	INP70ZSI	Zinc Oxide (And) Isononyl Isononanoate (And) Polyhydroxystearic Acid (And) Triethoxycaprylylsilane	Kobo Products
7.00	Vegeight 1214LC	Coconut Alkanes (and) Coco-Caprylate/Caprates	Brenntag
5.50	TNP65MZS	Zinc Oxide (And) C12-15 Alkyl Benzoate (And) Polyhydroxystearic Acid (And) Triethoxycaprylylsilane	Kobo Products
4.00	PolyAqual™-LW	Polyglyceryl-4 Laurate, Polyglyceryl-6 Laurate	Innovacos
1.50	SunBoost ATB	Argania Spinosa Kernel Oil (And) Tocopheryl Acetate (And) Bisabolol	Kobo Products
1.00	Cosmoguard SL-CP	Phenoxyethanol (And) Ethylhexylglycerin	Cosmotec
1.00	BENTONE GEL® ISD V	Isododecane (and) Disteardimonium Hectorite (and) Propylene Carbonate	Elementis/Cosmotec
Part 3			
0.60	SIMULGEL™ INS 100	Hydroxyethyl Acrylate / Sodium Acryloyldimethyl Taurate Copolymer (And) Isohexadecane (And) Polysorbate 60	Seppic
Part 4			
1.00	KOBOGUARD® 50AMP-G	Acrylates/Ethylhexyl Acrylate Copolymer (And) Water (And) Aminomethyl Propanol	Kobo Products
Part 5			
0.50	MSS-500/N	Silica	Kobo Products
100.00			

Description:

This Mineral Sunscreen Spray dries quickly and offers a fresh and lightweight texture with a low whitening effect. The SPF and PFA are due to sunscreen dispersions of non-nano Zinc Oxide, INP70ZSI and TNP65MZS. SunBoost ATB contains a proprietary ratio of anti-oxidant, anti-irritant and antiinflammatory agents to help boost SPF and PFA. The rheological modifier Exilva FM 02-V was added to improve spray performance and to avoid dripping after spraying. KOBOGUARD® 50AMP-G is a resin that contributes to formula wear. MSS-500/N is a silica microsphere that enhances feel.

Manufacturing Procedure:

1. Combine Part 1 and disperse Exilva FM 02-V using homogenizer.
2. Combine Part 2 and add to Part 1 using homogenizer.
3. Add Part 3 and mix until homogeneous.
4. Add Part 4 and mix until homogeneous.
5. Add Part 5 and mix until homogeneous.

Active Inaredient(s):

Zinc Oxide 13.00%

Testing:

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



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FORMULATIONS

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