



KSL-359E

Natural Zinc Oxide Balm



%	INGREDIENT	INCI NAME	SUPPLIER
Part 1			
25.00	JOSP55XZJ	Zinc Oxide (And) Simmondsia Chinensis (Jojoba) Seed Oil (And) Polyhydroxystearic Acid (And) Jojoba Esters	Kobo Products
24.80	GCP45XZJ	Caprylic/Capric Triglyceride (And) Zinc Oxide (And) Polyhydroxystearic Acid (And) Jojoba Esters	Kobo Products
18.89	Protachem™ CTG	Caprylic/Capric Triglyceride	Protameen
6.00	MSS-500W	Silica	Kobo Products
5.00	SunBoost ATB Natural	Argania Spinosa Kernel Oil (And) Tocopheryl Acetate (And) Bisabolol	Kobo Products
2.00	MSS-500/H	Silica	Kobo Products
0.75	SILICA SHELLS	Silica	Kobo Products
Part 2			
0.75	FLORITE R	Calcium Silicate	Tomita/Kobo Products
Part 3			
12.00	Plandool™-LG1	Phytosteryl/Behenyl/Octyldodecyl Lauroyl Glutamate	Nippon/Kobo Products
3.00	Plandool™-LG3	Phytosteryl/Behenyl/Octyldodecyl Lauroyl Glutamate	Nippon/Kobo Products
1.75	MAKIGREEN VELVET WAX	Vegetable Oil (And) Oryza Sativa (Rice) Bran Oil (And) Oryza Sativa (Rice) Bran Wax (And) Rhus Succedanea Fruit Wax (And) Helianthus Annuus (Sunflower) Seed Oil	Daito/Kobo Products
Part 4			
0.06	CE-181668	Amyl Cinnamic Aldehyde	Custom Essence
100.00			

Description:

This soft white, anhydrous Zinc Oxide Balm offers minimal whitening to the skin and leaves a powdery, non-greasy after feel. Kobo dispersions JOSP55XZJ and GCP45XZJ provide broad spectrum UVA/UVB SPF46 protection. SunBoost ATB Natural is a proprietary ratio of natural ingredients that boosts SPF efficacy. Plandool™-LG1 and Plandool™-LG3 provide skin barrier moisture protection and waterproofing properties. MAKIGREEN VELVET WAX provides body to the formula and gives a matte appearance on skin. MSS-500W and MSS-500/H provide both slip to the formula and mattifying properties. SILICA SHELLS and FLORITE R are excellent oil absorbers, even at low percentages.

Manufacturing Procedure:

1. With moderate propeller mixing, heat Part 1 to 70-75°C. Mix well until all is uniform.
2. Add Part 2 to Part 1 and continue mixing for 20 minutes and until the batch is smooth and uniform.
3. Add Parts 3 and 4, one at a time, with moderate propeller mixing, maintain temp @ 70-75 and mix for 20 minutes.
4. Ambient cool while propeller mixing at medium speed. Drop batch at 60-65°C.

NOTE: Product can be reworked without change in rheology (reheated and repoured)

Active Inaredient(s):

Zinc Oxide 23.66%

Testing:

SPF: in vivo on 5 subjects
CW: FDA method



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FORMULATIONS

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