



KSL-487

Natural Zinc Oxide Creamy Sunscreen



%	INGREDIENT	INCI NAME	SUPPLIER
Part 1			
31.20	Deionized Water	Water	
2.00	SUPEROL® KPO, GLYCERIN 99.7% USP/FCC (KOSHER)	Glycerin	P&G Chemicals
0.80	Sodium Chloride	Sodium Chloride	Morton Salt
Part 2			
18.00	GC70MZCSG	Zinc Oxide (And) Caprylic/Capric Triglyceride (And) Stearoyl Glutamic Acid (And) Glyceryl Behenate/Eicosadioate	Kobo Products
16.00	Pelemol® CCT	Caprylic/Capric Triglyceride	Phoenix Chemical
12.00	ZNO-660-ASGP7	Zinc Oxide (And) Stearoyl Glutamic Acid (And) Polyhydroxystearic Acid	Kobo Products
5.00	SunBoost ATB Natural	Argania Spinosa Kernel Oil (And) Tocopheryl Acetate (And) Bisabolol	Kobo Products
4.00	Emulium® Illustro	Polyglyceryl-6 Polyhydroxystearate (and) Polyglyceryl-6 Polyricinoleate (and) Polyglycerin-6	Gattefosse
2.00	Plandool™-LG2	Phytosteryl/Octyldodecyl Lauroyl Glutamate	Nippon/Kobo Products
2.00	Olivem® 900	Sorbitan Olivatate	Hallstar
2.00	JOS10M5	Simmondsia Chinensis (Jojoba) Seed Oil (And) Silica	Kobo Products
2.00	EMOGREEN™ L15	C15-19 Alkane	Seppic
Part 3			
1.00	Lexgard® Natural	Glyceryl Caprylate (And) Glyceryl Undecylenate	Inolex
Part 4			
2.00	CELLULOBEADS D-10-NPC2	Cellulose (And) Hydrogenated Lecithin	Kobo Products
100.00			

Description:

A creamy, natural origin Zinc Oxide sunscreen. GC70MZCSG and ZNO-660-ASGP7 provide UVA and UVB protection. SunBoost ATB Natural boosts SPF and PFA. JOS10M5 provides texture and emolliency. Plandool™-LG2 is an amino acid-derived ester that creates lameller liquid crystals and provides moisture barrier protection. CELLULOBEADS D-10-NPC2, a 10 micron cellulose microsphere with Hydrogenated Lecithin treatment, creates a creamy texture and contributes to product softness.

Manufacturing Procedure:

1. Combine Part 1 in a side beaker and mix until salt is completely dissolved.
2. Combine Part 2 and heat to 80°C. Start heating Part 1 to 80°C while keeping tightly covered.
3. With moderate homogenization, slowly add Part 1 to Part 2. Homogenize thoroughly until batch is completely emulsified.
4. With slow to moderate homogenization, add Part 3 followed by Part 4.
5. Cool batch with mixing to 40°C.

Active Inaredient(s):

Zinc Oxide 23.40%

Testing:

SPF: in vivo on 3 subjects
CW: FDA method



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