



KSL-526

Soothing Antioxidant Mineral Sunscreen



%	INGREDIENT	INCI NAME	SUPPLIER
Part 1			
32.00	Deionized Water	Water	
1.50	Magnesium Sulfate Heptahydrate	Magnesium Sulfate	Sigma Aldrich
1.00	AE Preserve® PCG	Phenethylalcohol (And) Caprylhydroxamic Acid (And) Glycerin	AE Chemie
0.40	SODIUM HYDROXIDE (20%)	Sodium Hydroxide	Ricca Chemical Company
0.20	NATRLQUEST® E30	Trisodium Ethylenediamine Disuccinate	Innospec
Part 2			
7.00	Brontide® Natural Butylene Glycol	Butylene Glycol	Genomatica
3.00	GLYCERIN U.S.P. F.C.C. 96%	Glycerin	P&G Chemicals
3.00	Zemea® Propanediol	Propanediol	Dupont Tate & Lyle
0.30	Keltrol® CG	Xanthan Gum	CP Kelco
Part 3			
15.15	JOP80MZCJ	Zinc Oxide (And) Simmondsia Chinensis (Jojoba) Seed Oil (And) Polyhydroxystearic Acid (And) Jojoba Esters	Kobo Products
10.15	NHP55STS-W	Titanium Dioxide (And) C13-15 Alkane (And) Stearic Acid (And) Aluminum Hydroxide (And) Polyhydroxystearic Acid	Kobo Products
5.00	NET-WO NS	Polyglyceryl-6 Polyricinoleate (And) Polyglyceryl-2 Isostearate (And) Distearidimonium Hectorite	Barnet Products
5.00	JOS10M5	Simmondsia Chinensis (Jojoba) Seed Oil (And) Silica	Kobo Products
3.75	Water Clear Refined Jojoba Oil FP-35	Simmondsia Chinensis (Jojoba) Seed Oil	Eco-Oil Argentina
3.75	Dermol DIPS	Diisopropyl Sebacate	Alzo International
3.00	Olivem ® 2090	Polyglyceryl-4 Olivinate/Polyricinoleate	Hallstar
3.00	SunBoost ATB Natural	Argania Spinosa Kernel Oil (And) Tocopheryl Acetate (And) Bisabolol	Kobo Products
1.00	Plandool™-G (Non-GMO)	Bis-Behenyl/Isostearyl/Phytosteryl Dimer Dilinoleyl Dimer Dilinoleate	Nippon Fine Chemical Co., LTD
0.30	BV-OSC	Tetrahexyldecyl Ascorbate	Barnet
Part 4			
0.25	Gs-GTS	Water (And) Pentylene Glycol (And) Palmitoyl Hydroxypropyltrimonium Amylopectin/Glycerin Crosspolymer (And) Camellia Sinensis Leaf Extract (And) 1,2-Hexanediol (And) Caprylyl Glycol (And) Hydrogenated Lecithin	Kobo Products
0.25	Gs-PCOGs	Water (And) Pentylene Glycol (And) Palmitoyl Hydroxypropyltrimonium Amylopectin/Glycerin Crosspolymer (And) 1,2-Hexanediol (And) Caprylyl Glycol (And) Vitis Vinifera (Grape) Seed Extract (And) Hydrogenated Lecithin	Kobo Products
Part 5			
1.00	MSS-500W	Silica	Kobo Products
100.00			

Description:

A creamy mineral sunscreen formulated with antioxidants to soothe, protect and moisturize your skin. With very little whitening, it offers both CW and PFA/UVA protection thanks to a special mix of the dispersions NHP55STS-W and JOP80MZCJ. Skin-conditioning qualities are added by JOS10M5, a fumed silica gellant in jojoba oil. Sunboost ATB Natural strengthens UV defense and protects the skin from free radicals. Plandool™-G (Non-GMO) is a plant derived lanolin alternative ester that blends beautifully into the skin and offers skin barrier moisture protection. It includes the green tea extract-entrapped Glycosphere Gs-GTS. Green tea extract has anti-inflammatory and free-radical scavenging abilities that speed up cell turnover. Gs-PCOGs, which has a moisturizing and anti-inflammatory effect, lessens skin irritation. The MSS-500W silica microsphere is responsible for the product's delicate feel as well as its smooth, rich application.

Manufacturing Procedure:

1. Combine Part 1 in a side beaker, prop mix @650rpm.
2. Combine Part 2 in a weigh boat [make a slurry], then add to Part 1 under prop mix @650rpm, begin heating to 60-65°C
3. Combine Part 3 in the main beaker, begin heating to 60-65°C
4. Once Part 3 reaches 60-65°C, move beaker to homogenizer and homogenize at 3500rpm for 5 minutes or until uniform
5. Slowly add Part 1,2 to Part 3 under homogenizer at 4500rpm. Mix for 10 minutes or until batch is uniform
6. Move batch to sweep mix at 55rpm and begin cooling to 28-32°C
7. Once batch reaches 28-32°C, add Part 4 under sweep mix at 200rpm
8. Decrease sweep mix to 55rpm and add Part 5. Mix until batch is uniform.

Active Inredient(s):

Titanium Dioxide	4.49%
Zinc Oxide	11.82%

Testina:

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FORMULATIONS

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