



KSL-463B-EU

Silicone Free, Mineral, Cold Process Sunscreen Lotion

%	INGREDIENT	INCI NAME	SUPPLIER
Part 1			
24.00	SO60MZJ	Zinc Oxide (And) Helianthus Annuus (Sunflower) Seed Oil (And) Jojoba Esters	Kobo Products
18.00	NHP55STS	Titanium Dioxide (And) C13-15 Alkane (And) Stearic Acid (And) Aluminum Hydroxide (And) Polyhydroxystearic Acid	Kobo Products
5.00	Dub Zenoat	Propylene Diol Dicaprylate	Stearinerie Dubois
4.00	SunBoost ATB	Argania Spinosa Kernel Oil (And) Tocopheryl Acetate (And) Bisabolol	Kobo Products
3.50	VegeLight™ 1214 LC	Coconut Alkanes (And) Coco-Caprylate/Caprate	Grant Industries
3.00	Polyaqual VO4	Polyglyceryl-4 Oleate (and) Polyglyceryl-6 Oleate (and) Polyhydroxystearic Acid	Innovacos
Part 2			
33.70	Deionized Water	Water	
2.10	Glycerin	Glycerin	Interchemie
1.50	MgSO4 7H2O	Magnesium Sulphate Heptahydrate	Fisher Scientific
0.70	SymDiol® 68	1,2-Hexanediol (And) Caprylyl Glycol	Symrise
0.50	Sensiva PA 40	Phenylpropanol (and) Propanediol (and) Caprylyl Glycol (and) Tocopherol	Schulke and Meyer
Part 3			
2.00	MSS-500/N	Silica	Kobo Products
2.00	CELLULOBEADS D-10-NPC2	Cellulose (And) Hydrogenated Lecithin	Kobo Products
100.00			

Description:

This cold process lotion is characterized by its surprisingly light application, despite being silicone-free and w/o. It rubs in easily without leaving a white cast. The formulation is very easy to produce with minimal energy input. It contains NHP55STS, a natural, pourable, TiO₂ dispersion with 44% active level in combination with SO60MZJ, a large particle size non-nano Zinc Oxide dispersion with 57% active level for high UVB and UVA protection, boosted by SunBoost ATB. This microplastic-free formula makes use of the slip and ball bearing effect given by MSS-500/N and the softness given by CELLULOBEADS D-10-NPC2 to create a skin feel normally attributed to microplastics.

Manufacturing Procedure:

- 1# Mix Part 1.
2. Mix Part 2.
- 3# Make the emulsion by adding Part 2 to Part 1 under prop stirrer - 1000 rpm for 3-4 min.
- 4# Move to homogenizer 3500 rpm for 3-4 min.
- 5# Move to prop stirrer and add Part 3.

Active Inaredient(s):

Titanium Dioxide	7.90%
Zinc Oxide	13.70%



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FORMULATIONS

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