



KSL-558A-AP

Essence Brightening Body Sunscreen



%	INGREDIENT	INCI NAME	SUPPLIER
Part 1			
68.70	Water	Aqua	
0.05	PEG2000	Polyethylene glycol	Sanyo Chemical Industries, Ltd.
0.05	EDTA Disodium	EDTA Disodium	Tokyo Chemical Industry
Part 2			
0.23	PEMULEN TR-1	Acrylates/C10-30 Alkyl Acrylate Crosspolymer	Lubrizol
0.15	Pemulen TR-2	Acrylates/C10-C30 Alkyl Acrylate Crosspolymer	Lubrizol
Part 3			
1.00	Zemea® Select Propanediol	Propanediol	Iwase Cosfa
1.00	KF-96A-10CS	Dimethicone	ShinEtsu
0.50	1,3 Butylene Glycol	Butylene Glycol	Daicel Corporation
0.20	Tipaque PF-671	Titanium Dioxide (And) Alumina	Kobo Products
0.02	EMALEX 1620	Isoceteth-20	Nihon Emulsion
Part 4			
8.50	Neo Heliopan® AV	Ethylhexyl Methoxycinnamate	Symrise
7.00	A15-TiO2-ST-SA8	Titanium Dioxide (And) Aluminum Hydroxide (And) Stearic Acid	Kobo Products
3.00	EXCEPARL IPP	Isopropyl Palmitate	Kao Corporation
2.00	Neo Heliopan® BMT	Bis-Ethylhexyloxyphenol Methoxyphenyl Triazine	Symrise
0.50	RHEOPEARL KL2	Dextrin Palmitate	Iwase Cosfa
0.50	Rheodol SP-S10V	Sorbitan stearate	Kao Corporation
0.20	AMP-ULTRA PC 1000	Aminomethyl Propanol	Advancion
Part 5			
5.00	Ethanol 95%	Ethanol	FUJIFILM Wako
0.40	MSP-930	Methyl Methacrylate Crosspolymer	Kobo Products
Part 6			
1.00	POTASSIUM HYDROXIDE (7%)	POTASSIUM HYDROXIDE	FUJIFILM Wako
100.00			

Description:

A hybrid sunscreen for UV protection with an excellent, watery, and non-sticky texture. It feels like you are applying a skincare essence while protecting your skin from UV rays and brightening your skin. A15-TiO2-ST-SA8 - Nano Titanium dioxide powder, not too whitening on the skin, as well as a great skin feel. Tipaque PF-671- White pigment that is water-soluble provides a brightening effect with a light feeling. MSP-930 - Ball bearing effect, increase smooth feeling and improve spreadability for application.

Manufacturing Procedure:

1. Heat phase 1 to 80°C
2. Disperse phase 2 to phase 1 until homogeneous and no lumps remain.
3. Mix phase 3 until homogenous and add to the main breaker
4. Heat and mix phase 4 at 80°C
5. Combine phase 4 to main beaker and cool down at 30°C
6. Add phase 5
7. Add phase 6

Active Inaredient(s):

Ethylhexyl Methoxycinnamate	8.50%
Bis-Ethylhexyloxyphenol Methoxyphenyl Triazine	2.00%
Titanium Dioxide	5.60%

Testing:

UVA-PF: in vitro method



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November, 2024

FORMULATIONS

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KOBO

The Powder & Dispersion Specialist



KOBO PRODUCTS, INC
3474 South Clinton Avenue
South Plainfield, NJ 07080
USA

Tel: +1 - 908 757 0033
Fax: +1 - 908 757 0905



KOBO BRASIL, LTDA
Rua Francisco Nakazato n. 2357
Itupeva SP 13.295-000
BRASIL

Tel: +55 (11) 5062 6034



KOBO PRODUCTS, LTD
67D(IV), Innovation Drive
Milton Park, Abingdon, OX14 4RQ
UNITED KINGDOM

Tel: +44 7913 636 673



KOBO PRODUCTS, SAS
135 Rue Buissonnière
Quartier Bouysset
31670 Labège
FRANCE

Tel: +33 - (0) 5 62 88 77 40
Fax: +33 - (0) 5 62 88 77 49



KOBO DISPATEK, INC
1-4-8 Nihombashi-bakurocho
Chuoko, Tokyo, 103-0002
JAPAN

Tel: +81 - 3 3663 8049
Fax: +81 - 3 3661 8679

www.koboproducts.com