



KSL-315D-BR

Minimal Whitening Sunscreen



%	INGREDIENT	INCI NAME	SUPPLIER
Part 1			
45.30	Deionized Water	Water	
1.00	Liposorb® L-20	Polysorbate 20	Vantage
Part 2			
3.00	Glicerina	Glycerin	Mapric
0.20	Goma Xantana	Xanthan Gum	M. Cassab
Part 3			
11.00	INP70ZSI	Zinc Oxide (And) Isononyl Isononanoate (And) Polyhydroxystearic Acid (And) Triethoxycaprylylsilane	Kobo Products
10.00	TNSS75MZCM	Zinc Oxide (And) Ethylhexyl Methoxycrylene (And) C12-15 Alkyl Benzoate (And) Polyhydroxystearic Acid (And) Hydrogen Dimethicone	Kobo Products
10.00	SALACOS® 99	Isononyl Isononanoate	Ikeda/Kobo Products
5.00	ZNO XZ-1153L	Zinc Oxide (And) Triethoxycaprylylsilane	Kobo Products
4.00	Xiameter® PMX-0245	Cyclopentasiloxane	Dow Corning
4.00	TEGO® Care PBS 6	Polyglyceryl-6 Stearate (And) Polyglyceryl-6 Behenate	Evonik
0.50	Tegin® M Pellets	Glyceryl Stearate	Evonik
0.50	Alkonat C1618	Cetearyl Alcohol	M.Cassab
Part 4			
2.00	MSS-500/H	Silica	Kobo Products
1.50	KOBOGUARD® 50AMP-G	Acrylates/Ethylhexyl Acrylate Copolymer (And) Water (And) Aminomethyl Propanol	Kobo Products
1.00	Cosmoguard® SL CP	Phenoxyethanol (and) Ethylhexylglycerin	Cosmotec
1.00	Simulgel™ INS 100	Hydroxyethyl Acrylate / Sodium Acryloyldimethyl Taurate Copolymer (And) Isohexadecane (And) Polysorbate 60	SEPPIC
100.00			

Description:

Light sunscreen with 100% mineral filters that offers minimal whitening by using a combination of Zinc Oxides of different particle sizes: INP70ZSI, a small particle size Zinc Oxide dispersion and ZNO XZ-1153L, a silane-treated Zinc Oxide powder which provide UVB and UVA protection and TNSS75MZCM, a non-nano Zinc Oxide dispersion in Ethylhexyl Methoxycrylene, a photo stabilizer carrier that also boosts sun protection. This formula also has SALACOS® 99, a light ester that improves spreadability and KOBOGUARD® 50AMP-G, a water-soluble film former for water resistance. MSS-500/H helps reduce shine and tackiness.

Manufacturing Procedure:

1. Mix Part 2 and add to Part 1. Mix until a gel is formed. Heat to 75°C.
2. Combine Part 3 ingredients and heat to 80°C.
3. Add Part 3 to Parts 1 and 2 while mixing. Keep mixing until dispersion of the filters.
4. Mix using homogenizer for at least 5 minutes.
5. Cool to 45°C and add Part 4 ingredients one at a time in the following order: KOBOGUARD® 50AMP-G, Simulgel™ INS 100, MSS-500/H, Cosmoguard® SL CP.

Active Inaredient(s):

Zinc Oxide 19.62%

Testing:

CW: FDA method



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October, 2020

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

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