



KSL-452B

3-in-1 Outdoor/Indoor Light Protective Cream



%	INGREDIENT	INCI NAME	SUPPLIER
Part 1			
20.00	NHP60MZ8SG	Zinc Oxide (And) C13-15 Alkane (And) Stearoyl Glutamic Acid (And) Polyhydroxystearic Acid	Kobo Products
Part 2			
3.20	A1K-TiO2-11S2	Titanium Dioxide (And) Aluminum Hydroxide (And) Triethoxycaprylylsilane	Kobo Products
1.00	BENTONE® 38 V CG	Disteardimonium Hectorite	Elementis
Part 3			
1.50	COSMOL™ 43V	Polyglyceryl-2 Triisostearate	Ikeda
Part 4			
10.00	NHP55STS	Titanium Dioxide (And) C13-15 Alkane (And) Stearic Acid (And) Aluminum Hydroxide (And) Polyhydroxystearic Acid	Kobo Products
9.40	TNP45TEL	Titanium Dioxide (And) C12-15 Alkyl Benzoate (And) Stearic Acid (And) Silica (And) Alumina (And) Polyhydroxystearic Acid	Kobo Products
5.00	KSG-210	Dimethicone (and) Dimethicone/PEG-10/15 Crosspolymer	Shin-Etsu
2.50	X-22-6695B	Simmondsia Chinensis (Jojoba) Seed Oil (and) Lauryl Dimethicone/Polyglycerin-3 Crosspolymer	Shin-Etsu
0.10	GCG50TRSG	Iron Oxides (CI 77491) (And) Caprylic/Capric Triglyceride (And) Polyglyceryl-3 Diisostearate (And) Stearoyl Glutamic Acid	Kobo Products
Part 5			
40.35	Deionized Water	Water	
3.00	Butylene Glycol	Butylene Glycol	Pride Solvents & Chemicals Co. of NJ, Inc.
2.90	Sodium Chloride	Sodium Chloride	Morton Salt
0.70	SymDiol® 68	1,2-Hexanediol (And) Caprylyl Glycol	Symrise
0.30	Lexgard® O	Caprylyl Glycol	Inolex
0.05	Dermofeel® PA-3	Sodium Phytate	Dr. Straetmans/Evonik
100.00			

Description:

This non-greasy, quick-drying sunscreen cream gives a sheer, matte finish to skin. It offers UVA, UVB, IR and HEV/Blue Light protection. The W/O formula features Kobo's NHP60MZ8SG and NHP55STS dispersions which are added for UVA/UVB protection. A1K-TiO2-11S2, a granular TiO2 powder treated with Triethoxycaprylylsilane effectively attenuates IR radiation in the near infrared range. TNP45TEL provides HEV protection. Transparent Iron Oxide dispersion, GCG50TRSG, provides a light pink tint.

Manufacturing Procedure:

1. Add Part 1 to main beaker under homogenizer.
2. Pulverize Part 2. Then add to Part 1. Mix until uniform. □
3. Add Part 3 to Parts 1 and 2. Continue mixing for 5 min. □
4. Add Part 4. Continue mixing until uniform.
5. Combine Part 5 in separate beaker. Mix until fully dissolved. □
6. Slowly Add Part 5 to main beaker under homogenizer.

□ Note: □

Maintain batch at room temperature during high shear process under homomixer by using cold water bath.

Active Inaredient(s):

Titanium Dioxide	8.24%
Zinc Oxide	11.40%

Testing:

SPF: in vivo on 5 subjects
CW: FDA method



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*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