



KSL-492A-EU

Natural No Residue Sunscreen Lotion



%	INGREDIENT	INCI NAME	SUPPLIER
Part 1			
10.00	ZnO-660-ASGP7	Zinc Oxide (And) Stearoyl Glutamic Acid (And) Polyhydroxystearic Acid	Kobo Products
8.30	Dub Zenoat	Propylenediol Dicaprylate	Stearinerie Dubois
8.25	Dub 810 C	Coco Caprylate Caprate	Stearinerie Dubois
8.00	A10-TiO2-SA-ASG8	Titanium Dioxide (And) Aluminum Hydroxide (And) Stearoyl Glutamic Acid (And) Hydrated Silica	Kobo Products
6.00	KOBOGUARD® NATURAL 2063-CCT	Glyceryl Hydrogenated Rosinate (And) Caprylic/Capric Triglyceride	Kobo Products
4.00	Sunboost ATB Natural	Argania Spinosa Kernel Oil (And) Tocopheryl Acetate (And) Bisabolol	Kobo Products
3.00	Polyaqual VO4	Polyglyceryl-4 Oleate (and) Polyglyceryl-6 Oleate (and) Polyhydroxystearic Acid	Innovacos
Part 2			
43.75	P.water	Deionized Water	x
2.00	Glycerin	Glycerin	Interchemie
1.50	Mg Sulfate Hept	Magnesium Sulfate 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
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:

A very simple, cold process w/o lotion containing mineral filters in surface treated powder form. This pumpable, fluid formula is easy to spread on the skin, has a light feel and rubs in without any residue. A10-TiO2-SA-ASG8, a 10 nm PPS Titanium Dioxide with natural origin surface treatment and ZnO-660-ASGP7, a 25 nm PPS Zinc Oxide with superdispersible natural origin surface treatment disperse easily in chosen natural emollients. Both powders are non-nano by PS and chosen for their high transparency. Sunboost ATB Natural is used at 4% to boost UV protection and contribute antioxidant skin protection to the formula. KOBOGUARD® NATURAL 2063-CCT is a natural origin film former used here to form an even and long lasting film of the formula upon application on the skin. CELLULOBEADS D10-NPC2, Cellulose beads with natural origin Hydrogenated Lecithin treatment which renders it ultra creamy and soft are used in combination with MSS-500/N, a 12 micron average PS non-absorbing silica bead to improve the feel, cut tack and impart a matte finish on the skin.

Manufacturing Procedure:

1. Prepare Part 1 by dispersing the powders in the liquid ingredients.
2. Mix Part 2.
3. Emulsify under propeller stirrer at 800-1000 rpm.
4. Homogenize for 1-2 minutes at 3000 rpm.
5. Add the powders of Part 3.

Active Inaredient(s):

Zinc Oxide	9.30%
Titanium Dioxide	6.00%

Testing:

SPF: in vivo on 5 subjects
 UVA-PF: in vitro method
 CW: FDA method



KOBO
 www.koboproducts.com

June, 2022

FORMULATIONS

Product formulations are included as illustrative examples only. Kobo Products Inc. makes no representation or warranty concerning the efficacy or safety of any product manufactured using such formulations. All statements concerning the possible use of Kobo Products Inc. are for research purposes only. Responsibility for the performance or adequate testing of any product prior to sale or use of any such product lies with the manufacturer thereof.

USE OF PRODUCTS

Products sold by Kobo are designed, manufactured and sold for industrial use only. Prior to use of any such product for any application other than an industrial use, the user has the sole responsibility and obligation to determine the suitability of any such product for any such application.

PATENT STATUS

Nothing contained herein shall be construed to imply the nonexistence of any relevant patents or to constitute a permission, inducement or recommendation to practice any invention covered by any patent, without authority from the owner of the patent.

LIMITATION OF LIABILITY

Kobo Products Inc. shall in no event, whether the claim is based on warranty, contract, tort, strict liability, negligence or otherwise, be liable for incidental or consequential damages, or for any other damages in excess of the amount of the purchase price.

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