KSL-564B-EU

360 Light Shield SPF

SPF 61 | PFA 23 | CW 379

%	INGREDIENT	INCI NAME	SUPPLIER
Part 1			
12.73	BRB DM 2	Dimethicone	BRB International BV
12.00	HBTN65HP1	Zinc Oxide (And) Butyloctyl Salicylate (And) C12-15 Alkyl Benzoate (And) Triethoxycaprylylsilane	Kobo Products
12.00	HBTNP60ZSI	Zinc Oxide (And) Butyloctyl Salicylate (And) C12-15 Alkyl Benzoate (And) Polyhydroxystearic Acid (And) Triethoxycaprylylsilane	Kobo Products
10.00	GCP55TEL	Titanium Dioxide (And) Caprylic/Capric Triglyceride (And) Silica (And) Polyhydroxystearic Acid (And) Alumina	Kobo Products
5.00	A1K-TIO2-11S2	Titanium Dioxide (And) Aluminum Hydroxide (And) Triethoxycaprylylsilane	Kobo Products
4.00	KOBOGUARD® MQ60DM	Trimethylsiloxysilicate (And) Dimethicone	Kobo Products
2.00	Sunboost ATB Natural	Argania Spinosa Kernel Oil (And) Tocopheryl Acetate (And) Bisabolol	Kobo Products
2.00	BENTONE GEL® VS1 V	Trisiloxane (and) Disteardimonium Hectorite (and) Triethyl Citrate	Elementis
Part 2			
4.00	FAND40HYSI	Iron Oxides (CI 77492) (And) Dimethicone (And) PEG/PPG-18/18 Dimethicone (And) Triethoxycaprylylsilane	Kobo Products
2.50	Gransurf 90	Cetyl PEG/PPG-10/1 Dimethicone	Grant Industries
2.00	Gransurf 50C-HM	Dimethicone (and) PEG/PPG-18/18 Dimethicone	Grant Industries
0.40	FAND50HBSI	Iron Oxides (CI 77499) (And) Dimethicone (And) PEG/PPG-18/18 Dimethicone (And) Triethoxycaprylylsilane	Kobo Products
0.23	FAND65HRSI	Iron Oxides (CI 77491) (And) Dimethicone (And) PEG/PPG-18/18 Dimethicone (And) Triethoxycaprylylsilane	Kobo Products
Part 3			
22.00	P.water	Deionized Water	-
5.00	Butylene Glycol	Butylene Glycol	Univar
0.80	NaCl	Sodium Chloride	Fisher Scientific
0.80	Symdiol 68	1,2-Hexanediol (And) Caprylyl Glycol	Symrise
0.50	Mg Sulfate Hept	Magnesium Sulfate Heptahydrate	Fisher Scientific
0.50	Symsave H	Hydroxyacetophenone	Symrise
0.04	Kelco-Care™ diutan gum	Sphingomonas Ferment Extract	Lubrizol
Part 4			
1.50	EXCEBEADS™ CS-725	Silica	Kobo Products
100.00			

Description:

This tinted sunscreen offers full spectrum SPF protection with skin tone evening. GCP55TEL is added for HEV/Blue Light protection, A1K-TIO2-11S2 is added for IR protection. HBTNP60ZSI, HBTN65HP1, two different particle size ZnO dispersions provide UVB and UVA protection. Sunboost ATB Natural helps to protect against UVA, UVB, HEV (High Energy Visible) light, and IR (Infrared) rays. The FAND Iron Oxide dispersions provide light to medium coverage and mitigate any white cast from the mineral UV filters. KOBOGUARD® MQ60DM improves wear and increases rub-resistance. EXCEBEADS™ CS-725 improves skin feel and spreadability of the formula.

Manufacturing Procedure:

1. Combine Part 1 and disperse under homogeniser square hole head 8000 rpm 10 minutes.
2. Add Part 2 and homogenise 5000rpm 5min.
3. Prepare Part 3, Add Part 3 to Phase 1+2 under prop stirrer, 1000 rpm. Homogenise after emulsification 3000rpm 3min square hole head.
4. Add C under prop stirrer 800-1000rpm.

Active Ingredient(s):

Zinc Oxide	14.64%
Titanium Dioxide	9.85%

Testing:

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

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