

FORMULARY

in-cosmetics Global 2017

KOBO

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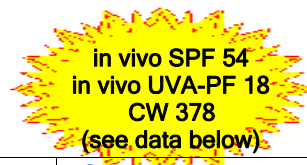
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- Page 28 KCL-016-EU **Kiwi Shower Gel**-Featuring SpS-BkFeO41b

Kids' Sunscreen

Formula KSL-303-BR



Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
1	32.40	Deionized Water	Water	
	3.00	CES-1104	Dimethicone (And) Water (And) Glycerin (And) Pentylene Glycol (And) Dimethicone/Vinyl Dimethicone Crosspolymer (And) Amodimethicone (And) Carbomer (And) Phenoxyethanol (And) Sodium Hydroxide (And) Disodium Edta	Nusil/Kobo Products
	2.00	Glicerina	Glycerin	CAAL
2	19.00	EMP50TEL	Titanium Dioxide (And) Ethyl Macadamiate (And) Silica (And) Alumina (And) Stearic Acid (And) Polyhydroxystearic Acid	Kobo Products
	18.00	JOP80MZCJ	Zinc Oxide (And) Simmondsia Chinensis (Jojoba) Seed Oil (And) Polyhydroxystearic Acid (And) Jojoba Esters	Kobo Products
	11.00	SALACOS® 913	Isotridecyl Isononanoate	Ikeda/Kobo Products
	4.00	SALACOS® 99	Isononyl Isononanoate	Ikeda/Kobo Products
	3.60	SunBoost ATB™	Argania Spinosa Kernel Oil (And) Tocopheryl Acetate (And) Bisabolol	Kobo Products
	3.00	ABIL® EM 180	Cetyl PEG/PPG-10/1 Dimethicone	Evonik
	2.00	MST-547	Polymethylsilsesquioxane	Kobo Products
	1.00	Optiphen	Caprylyl Glycol (And) Phenoxyethanol	Ashland
	1.00	Liposorb® L-20	Polysorbate 20	Vantage

100

Manufacturing Procedure

1. Combine Part 1.
2. Mix Part 2 until the UV filters are completely dispersed.
3. Add Part 1 to Part 2 slowly while mixing at 1500rpm.
4. Mix for 10 minutes.

Description

This sunscreen was specially formulated for kids' skin because it features only non-nano, inorganic sunscreen dispersions, EMP50TEL (Titanium Dioxide) and JOP80MZCJ (Zinc Oxide), to achieve balanced SPF and UVA protection. It also has SunBoost ATB™, a proprietary mixture of anti-oxidant, anti-irritant and anti-inflammatory agents that can increase UVA and UVB protection over 30%. SALACOS® 99 and SALACOS® 913 are light esters that improve spreadability and skin feel. MST-547 is a non-absorbent silicone sphere and CES-1104 is an encapsulated elastomer. Both of them help with spreadability, skin feel and reduction of tackiness.

Notes

Active Ingredient(s)	
Titanium Dioxide	8.70%
Zinc Oxide	14.00%

SPF testing: in vivo on 3 subjects

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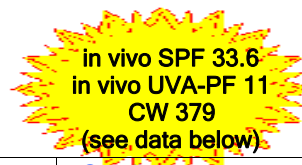
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Day Cream

Formula KSL-308-BR



Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
1	46.40	Deionized Water	Water	
	2.00	Glicerina	Glycerin	CAAL
	0.20	Goma Xantana	Xanthan Gum	CP Kelco
2	16.40	GLW70MZC	Zinc Oxide (And) Water (And) Glycerin (And) Sodium Polyacrylate (And) Cellulose Gum	Kobo Products
3	9.00	SALACOS® 913	Isotridecyl Isononanoate	Ikeda/Kobo Products
	6.00	SALACOS® 99	Isononyl Isononanoate	Ikeda/Kobo Products
	5.50	HBTN55TIS-EU	Butyloctyl Salicylate (And) Titanium Dioxide (And) Isostearic Acid (And) Aluminum Hydroxide (And) C12-15 Alkyl Benzoate (And) Stearic Acid	Kobo Products
	3.00	Nikkomulse 41	Behenyl Alcohol (And) Polyglyceryl-10 Pentastearate (And) Sodium Stearoyl Lactylate	Cosmotec
	2.00	TEGIN® M PELLETS	Glyceryl Stearate	Evonik
	1.50	ALKONAT C200	Ceteareth-20	M.Cassab
4	1.00	Liquid Germall® Plus	Propylene Glycol (and) Diazolidinyl Urea (and) Iodopropynyl Butylcarbamate	Ashland
5	4.00	COMPOSITE ACT-50	Titanium Dioxide (And) Acrylates Copolymer (And) Hydrated Silica (And) Algin (And) Aluminum Hydroxide	Kobo Products
	2.50	BPD-500W	HDI/Trimethylol Hexyllactone Crosspolymer (And) Silica	Kobo Products
	0.50	CosmeHerbest™ SEABERRY	Water (And) Propanediol (And) Hippophae Rhamnoides Fruit Extract	Ikeda/Kobo Products

100

Manufacturing Procedure

1. Add Part 2 to Part 1 while mixing. Heat to 80°C.
2. Pre-mix Part 3 and heat to 80°C.
3. Add Part 3 to Parts 1 and 2 and homogenize for 5 minutes at 7500 rpm.
4. Cool to 50°C and add Parts 4 and 5 while mixing.
5. Keep mixing at 600 rpm until formula reaches room temperature.

Description

This Day Cream features HBTN55TIS-EU that has high solids content dispersed in Butyloctyl Salicylate, offering high performance in sunscreen lotions with low whitening effect. Composite ACT-50 is a powder containing dispersed attenuation grade TiO2 entrapped within a micron size polymer matrix to achieve SPF. In the composite the optical properties of the titanium dioxide are maintained plus an improved skin feel during application is obtainable. GLW70MZC is a ZnO dispersion in an aqueous vehicle, that provides balanced UV Protection. SALACOS® 99 and SALACOS® 913 are light esters that can improve skin feel. BPD-500W is a microsphere responsible for soft focus effect and enhanced feel. CosmeHerbest™ SEABERRY is a vegetal extract that can protect the skin against damages caused by air pollution.

Notes

Active Ingredient(s)	
Zinc Oxide	11.50%
Titanium Dioxide	4.53%

SPF testing: in vivo on 3 subjects

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Natural Mineral Sunscreen

Formula KSL-321A-EU



Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
1	35.00	GCO45TV	Titanium Dioxide (And) Caprylic/Capric Triglyceride (And) Sorbitan Oliviate (And) Stearic Acid (And) Aluminum Hydroxide	Kobo Products
	26.00	GCP50ZSI	Zinc Oxide (And) Caprylic/Capric Triglyceride (And) Polyhydroxystearic Acid (And) Triethoxycaprylylsilane	Kobo Products
	4.00	Dehymuls® PGPH	Polyglyceryl-2 Dipolyhydroxystearate	BASF/ AMI Chimie
	3.00	VegeLight 1214 LC	Coconut Alkanes (And) Coco-Caprylate/Caprate	BioSynthis
	3.00	DPPG CG	Propylene Glycol Dipelargonate	Gattefosse
	2.00	Crodamol™ ML	Myristyl Lactate	Croda
	1.00	Olivem® 900	Sorbitan Oliviate	Grant Industries, Inc.
	0.20	Microcare® PHD	Phenoxyethanol (and) Chlorphenesin (and) Glycerin	Thor Personal Care
2	22.40	Deionized Water	Water	
3	2.00	Glycérine Codex 99,5%	Glycerin	Interchimie
	0.10	Keltrol® CG	Polymethyl Methacrylate	CP Kelco/ Azelis
4	0.70	Magnesium Sulphate Heptahydrate	Magnesium Sulfate	Acros Organics
	0.50	Sodium Chloride	Sodium Chloride	Acros Organics
5	0.10	Vitamin E Acetate Oil USP, FCC	Tocopheryl Acetate	BASF

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<p>Manufacturing Procedure</p> <ol style="list-style-type: none"> Combine Part 1 and heat to 75°C. Disperse Part 3 into Part 2. Add Part 4 to water phase. Heat water phase to 75°C. Slowly Add water phase into Part 1 and homogenize at 6000 rpm for 2 min. Add Part 5 at temperature below 40°C. 	<p>Description</p> <p>This high SPF, Natural, Mineral Only Sunscreen features Kobo's TiO2 and ZnO Dispersions. GCO45TV provides high UVB protection while GCP50ZSI offers protection against UVA to achieve a broad spectrum formula with an elegant feel.</p> <p>Note 3 person in vivo test results: SPF 60</p>						
	<p>Notes</p> <table> <tr> <td>Active Ingredient(s)</td> <td></td> </tr> <tr> <td> Zinc Oxide</td> <td>12.22%</td> </tr> <tr> <td> Titanium Dioxide</td> <td>12.95%</td> </tr> </table> <p>SPF testing: in vivo on 3 subjects</p>	Active Ingredient(s)		Zinc Oxide	12.22%	Titanium Dioxide	12.95%
Active Ingredient(s)							
Zinc Oxide	12.22%						
Titanium Dioxide	12.95%						

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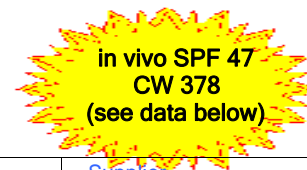
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Water-Less, Natural Sunscreen

Formula KSL-330B



Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
1	20.80	JOJOBA OIL	Simmondsia Chinensis (Jojoba) Seed Oil	Vantage
	10.00	Protachem™ CTG	Caprylic/Capric Triglyceride	Protameen
	5.00	SunBoost ATB™	Argania Spinosa Kernel Oil (And) Tocopheryl Acetate (And) Bisabolol	Kobo Products
	5.00	Liponate® IPM	Isopropyl Myristate	Vantage
	5.00	JOS10M5	Simmondsia Chinensis (Jojoba) Seed Oil (And) Silica	Kobo Products
	3.50	Lanette O	Cetearyl Alcohol	Cognis
	3.00	Glycerin U.S.P. F.C.C. 96%	Glycerin	Ruger Chemical Co., Inc.
	2.00	Shea Butter	Shea Butter	Cognis Corp
	1.50	MANGO BUTTER	Mangifera Indica (Mango) Seed Butter	RITA Corp.
	1.00	Dermofat 4919	Stearic Acid	Alzo Chemical
2	23.00	GCP55TJ	Titanium Dioxide (And) Caprylic/Capric Triglyceride (And) Jojoba Esters (And) Polyhydroxystearic Acid	Kobo Products
	12.00	GCO50XZJ	Zinc Oxide (And) Caprylic/Capric Triglyceride (And) Sorbitan Olivatate (And) Jojoba Esters	Kobo Products
3	6.50	CELLULOBEADS D-10	Cellulose	Daito/ Kobo Products
	1.00	Lexgard® E	Ethylhexylglycerin	Inolex Chemical Company
	0.70	FLORITE PS-10	Calcium Silicate	Tomita/Kobo Products
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<p>Manufacturing Procedure</p> <ol style="list-style-type: none"> In main beaker add Part 1 and heat until waxes are melted. Add Part 2 to Part 1 and mix until uniform. Start cooling and add Part 3. 	<p>Description</p> <p>This natural anhydrous sunscreen showcases a Korean trend of Water-Free formulas and uses natural oils as the base. This Water-Less formula features JOS10M5 Kobo's Fumed Silica Gellant in Jojoba Oil, which helps give structure and emolliency. Titanium Oxide and Zinc Oxide dispersions, GCP55TJ and GCO50XZJ give the formula SPF protection. It also features SunBoost ATB™ Natural, which contains a proprietary ratio of anti-oxidant, anti-irritant, and anti-inflammatory agents, leaving a moisturizing feel to the skin. Microspheres, CELLULOBEADS D-10 and FLORITE PS-10 help absorb oil, give soft focus and enhance the feel.</p>						
	<p>Notes</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding-left: 20px;">Active Ingredient(s)</td> <td style="text-align: right;">5.70%</td> </tr> <tr> <td style="padding-left: 40px;">Zinc Oxide</td> <td style="text-align: right;">12.02%</td> </tr> <tr> <td style="padding-left: 40px;">Titanium Dioxide</td> <td></td> </tr> </table> <p>SPF testing: in vivo on 3 subjects</p>	Active Ingredient(s)	5.70%	Zinc Oxide	12.02%	Titanium Dioxide	
Active Ingredient(s)	5.70%						
Zinc Oxide	12.02%						
Titanium Dioxide							

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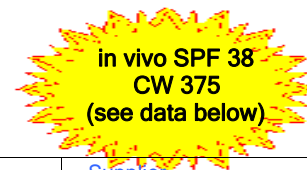
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Natural Sunscreen Stick for Babies

Formula KSL-336



Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
1	27.00	GCO50XZJ	Zinc Oxide (And) Caprylic/Capric Triglyceride (And) Sorbitan Oliviate (And) Jojoba Esters	Kobo Products
	18.00	GCP55TJ	Titanium Dioxide (And) Caprylic/Capric Triglyceride (And) Jojoba Esters (And) Polyhydroxystearic Acid	Kobo Products
	10.00	JOS10M5	Simmondsia Chinensis (Jojoba) Seed Oil (And) Silica	Kobo Products
	7.00	Ozokerite Wax White SP 1020P	Ozokerite Wax	Strahl & Pitsch
	5.20	ZNO-C-NJE3	Zinc Oxide (And) Jojoba Esters	Kobo Products
	5.00	Cocoa Butter USP DEODORIZED	Cocoa Butter	Jeen International
	5.00	CANDELILLA WAX MK-2	Candelilla (Euphorbia Cerifera) Wax	Strahl & Pitsch
	4.80	JOJOBA OIL	Simmondsia Chinensis (Jojoba) Seed Oil	Vantage
	4.50	MINERAL OIL CARNATION	Mineral Oil	Ruger Chemical
	4.00	LexFeel® 7	Neopentyl Glycol Diheptanoate	Inolex
	3.00	MANGO BUTTER	Mangifera Indica (Mango) Seed Butter	RITA Corp.
	3.00	CELLULOBEADS D-10	Cellulose	Daito/Kobo Products
	2.00	Shea Butter	Shea Butter	Cognis Corp
	1.50	Lipocol® C	Cetyl Alcohol	Vantage

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<p>Manufacturing Procedure</p> <ol style="list-style-type: none"> In main beaker, add Part 1, heat to 80°C and mix until homogeneous. Pour into components at 65-70°C. 	<p>Description</p> <p>This natural sunscreen stick for babies features JOS10M5, fumed silica gellant in Jojoba Oil, to help give structure to the stick. Natural materials, Titanium Dioxide dispersion GCP55TJ, Zinc Oxide dispersion GCO50XZJ and Zinc Oxide powder ZnO-C-NJE3, help give SPF to the formula. Natural microsphere, CELLULOBEADS D-10 is a hydrophilic sphere that can help retain water and give cushion to the formula.</p>						
	<p>Notes</p> <table border="0"> <tr> <td>Active Ingredient(s)</td> <td></td> </tr> <tr> <td> Titanium Dioxide</td> <td style="text-align: right;">9.41%</td> </tr> <tr> <td> Zinc Oxide</td> <td style="text-align: right;">17.83%</td> </tr> </table> <p>SPF testing: in vivo on 3 subjects</p>	Active Ingredient(s)		Titanium Dioxide	9.41%	Zinc Oxide	17.83%
Active Ingredient(s)							
Titanium Dioxide	9.41%						
Zinc Oxide	17.83%						

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Foundation with PT1BM Dispersions

Formula KLF-175A

Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
1	18.88	CSV-3000	Cyclopentasiloxane	Nusil/Kobo Products
	18.00	TNP50T7-ATB	C12-15 Alkyl Benzoate (And) Titanium Dioxide (And) Argania Spinosa Kernel Oil (And) Alumina (And) Hydrogen Dimethicone (And) Tocopheryl Acetate (And) Polyhydroxystearic Acid (And) Bisabolol	Kobo Products
	11.85	PT1BM70U	Titanium Dioxide (And) Phenyl Trimethicone (And) Disteardimonium Hectorite (And) Isopropyl Titanium Triisostearate (And) 1,2-Hexanediol (And) Caprylyl Glycol (And) Silica	Kobo Products
	4.76	CSS-7300	Cyclopentasiloxane (And) PEG/PPG-18/18 Dimethicone	Nusil/Kobo Products
	3.50	CPF-3300@10cSt	Phenyl Trimethicone	Nusil/Kobo Products
	1.80	PT1BM40Y	Phenyl Trimethicone (And) Iron Oxides (C.I. 77492) (And) Silica (And) Disteardimonium Hectorite (And) Isopropyl Titanium Triisostearate (And) 1,2-Hexanediol (And) Caprylyl Glycol	Kobo Products
	0.30	PT1BM70R	Iron Oxides (C.I. 77491) (And) Phenyl Trimethicone (And) Disteardimonium Hectorite (And) Isopropyl Titanium Triisostearate (And) Silica (And) 1,2-Hexanediol (And) Caprylyl Glycol	Kobo Products
	0.17	PT1BM60B	Iron Oxides (C.I. 77499) (And) Phenyl Trimethicone (And) Disteardimonium Hectorite (And) Isopropyl Titanium Triisostearate (And) Silica (And) 1,2-Hexanediol (And) Caprylyl Glycol	Kobo Products
	0.10	Propyl Paraben NF	Propylparaben	International Sourcing
	2	32.24	Deionized Water	Water
4.00		Butylene Glycol	Butylene Glycol	Ruger Chemical
0.65		Sodium Chloride	Sodium Chloride	Morton Salt
0.40		Polysorbate 20	Polysorbate 20	Rita Corp.
0.15		Methyl Paraben NF	Methylparaben	International Sourcing
0.10		Trisodium EDTA	Trisodium EDTA	Protameen
0.10		Allantoin	Allantoin	RITA Corp.
3	3.00	MSS-500W	Silica	Kobo Products

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Manufacturing Procedure

1. Homogenize all ingredients of Part 1 until fully uniform.
2. Add Part 2 fully mixed to the dispersed Part 1 using a homogenizer at 3000-3500 rpm.
3. Add Part 3 to Parts 1 and 2 slowly under homogenization at 3000 rpm.

Description

This liquid foundation features Kobo's New PT1BM dispersions. These dispersions are easy to use in a W/Si system offering good spreadability and a silky feel upon application. Titanium Dioxide Dispersion, TNP50T7-ATB, an optimized mixture of a TiO2 sunscreen dispersion with Kobo's Sunboost ATB™, that is a proprietary blend of antioxidant, anti-irritant, and anti-inflammatory agents contributes to UVA/UVB protection. Silica microsphere, MSS-500W, offers an elegant feel upon application and provides a soft focus effect. Nusil's Phenyl Trimethicone, CPF-3300@10cSt, is a silicone fluid that can improve spreadability and the formula's feel upon application. CSS-7300 is a W/Si emulsifier responsible for the stable emulsion structure while providing good spreadability.

Notes

Active Ingredient(s)	6.93%
Titanium Dioxide	

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KoboGel D5 Mousse Foundation

Formula KLF-180

Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
1	49.55	CXG-1103	Cyclopentasiloxane (And) Cyclohexasiloxane (And) Dimethicone/Vinyl Dimethicone Crosspolymer	NuSil/Kobo Products
2	49.55	KoboGel D5 Medium	Cyclopentasiloxane (And) Titanium Dioxide (And) Cyclohexasiloxane (And) Iron Oxides (C.I. 77492) (And) Iron Oxides (C.I. 77491) (And) PEG/Ppg-18/18 Dimethicone (And) Iron Oxides (C.I. 77499) (And) Dimethicone/Vinyl Dimethicone Crosspolymer (And) Distearidimonium Hectorite (And) Tocopheryl Acetate (And) Isopropyl Titanium Triisostearate (And) Triethoxysilylethyl Polydimethylsiloxyethyl Dimethicone	Kobo Products
3	0.90	Euxyl® PE 9010	Phenoxyethanol (And) Ethylhexylglycerin	Schulke & Mayr

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Manufacturing Procedure

1. Add Part 1 into the main beaker equipped with a T-blade (sweep).
2. Add Part 2 to Part 1 using the T-blade at 200 rpms. Mix until uniform for approximately 5 minutes.
3. Add Part 3 to Parts 1 and 2 and mix for 5 minutes at 200 rpms.

Description

KoboGel D5 composites are available to match skin tone shades for easy color additions to formulations. The KoboGel D5 composite dispersion imparts soft focus and aids in long wear. Further contributing to the mousse texture is CXG-1103, a high purity elastomer gel.

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March, 2016

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KoboGel D5 Serum Foundation - Light

Formula KLF-181A

Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
1	51.20	KoboGel D5 Light	Cyclopentasiloxane (And) Titanium Dioxide (And) Cyclohexasiloxane (And) Iron Oxides (C.I. 77492) (And) Iron Oxides (C.I. 77491) (And) PEG/Ppg-18/18 Dimethicone (And) Iron Oxides (C.I. 77499) (And) Dimethicone/Vinyl Dimethicone Crosspolymer (And) Distearidimonium Hectorite (And) Tocopheryl Acetate (And) Isopropyl Titanium Triisostearate (And) Triethoxysilylethyl Polydimethylsiloxyethyl Dimethicone	Kobo Products
2	24.00	Protachem CTG	Caprylic/Capric Triglyceride	Protameen Chemicals
	0.90	Euxyl® PE 9010	Phenoxyethanol (And) Ethylhexylglycerin	Schulke & Mayr
3	12.00	GMS-TTB4	Mica (And) Isopropyl Titanium Triisostearate (And) Triethoxysilylethyl Polydimethylsiloxyethyl Dimethicone	Kobo Products
	11.00	MSP-TK04	Polymethylsilsesquioxane (And) Titanium Dioxide	Nikko Rica/Kobo Products
	0.90	CARESS® BN06	Boron Nitride	Bent Tree/Kobo Products

100

Manufacturing Procedure

1. Add Part 1 into Main Beaker.
2. Pre-mix Part 2 and 3 using a propeller blade. Mix until uniform.
3. Add Parts 2 and 3 to Part 1 using a T-blade at 350 rpms. Mix until uniform.

Description

KoboGel D5 composites are available to match skin tone shades for easy color additions to formulations. The KoboGel D5 composite dispersion imparts soft focus and aids in long wear. MSP-TK04 provides the formula with a smooth texture while GMS-TTB4 offers a velvet-like texture. CARESS® BN06, Boron Nitride, is used for superior softness and tactility, superb spreadability, and good coverage.

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August, 2016

KOBO

www.koboproducts.com

W/Si Liquid Foundation with FADM/TTB

Formula KLF-189

Dispersions

Part	Percent	Ingredients	INCI Name	Supplier	
1	23.30	MTM3F40T7	Methyl Trimethicone (And) Titanium Dioxide (And) Alumina (And) Hydrogen Dimethicone (And) Lauryl PEG-9 Polydimethylsiloxyethyl Dimethicone	Kobo Products	
	10.00	CSF-3100@5cSt	Dimethicone	NuSil Technology LLC	
	4.80	X-22-6711D	Dimethicone (And) PEG/PPG-18/18 Dimethicone	Shin Etsu	
	4.00	FADM65UTB	Titanium Dioxide (And) Dimethicone (And) PEG/Ppg-18/18 Dimethicone (And) Isopropyl Titanium Triisostearate (And) Triethoxysilylethyl Polydimethylsiloxyethyl Dimethicone (And) Tocopheryl Acetate	Kobo Products	
	2.60	FADM55YTB	Iron Oxides (C.I. 77492) (And) Dimethicone (And) PEG/Ppg-18/18 Dimethicone (And) Isopropyl Titanium Triisostearate (And) Triethoxysilylethyl Polydimethylsiloxyethyl Dimethicone (And) Tocopheryl Acetate	Kobo Products	
	2.50	SALACOS® 99	Isononyl Isononanoate	Ikeda	
	2.50	KOBOGUARD® MQ65TMF	Trimethylsiloxy silicate (And) Methyl Trimethicone	Kobo Products	
	2.50	Lexol® PG-865	Propylene Glycol Dicaprylate/Dicaprate	Inolex	
	1.00	SUMECTON SAN-P	Quaternium-18 Hectorite	Kobo Products	
	1.00	Ethyl Alcohol E1028	Ethyl Alcohol	Warner Graham	
	1.00	CSS-7302	PEG-10 Dimethicone	Nusil/Kobo Products	
	0.75	CPF-3300@10cSt	Phenyl Trimethicone	Nusil/Kobo Products	
	0.40	FADM55RTB	Iron Oxides (C.I. 77491) (And) Dimethicone (And) PEG/Ppg-18/18 Dimethicone (And) Isopropyl Titanium Triisostearate (And) Triethoxysilylethyl Polydimethylsiloxyethyl Dimethicone (And) Tocopheryl Acetate	Kobo Products	
	0.25	FADM60BTB	Iron Oxides (C.I. 77499) (And) Dimethicone (And) PEG/Ppg-18/18 Dimethicone (And) Isopropyl Titanium Triisostearate (And) Triethoxysilylethyl Polydimethylsiloxyethyl Dimethicone (And) Tocopheryl Acetate	Kobo Products	
	2	37.15	Deionized Water	Water	
		2.00	Butylene Glycol	Butylene Glycol	Ruger Chemical Co., Inc.
1.25		Glycerin U.S.P. Natural 96%	Glycerin	Ruger Chemical Co., Inc.	
1.00		Germaben® II	Propylene Glycol (And) Diazolidinyl Urea (And) Methylparaben (And) Propylparaben	ISP	
1.00		Sodium Chloride	Sodium Chloride	Morton Salt	
0.50		Jeecide CAP-5	Phenoxyethanol (And) Caprylyl Glycol (And) Potassium Sorbate (And) Water (And) Hexylene Glycol	Jeen International	
0.50		Tween™ 20	Polysorbate 20	Croda	

100

Manufacturing Procedure

1. Combine Parts 1 and 2, and homogenize for 20 minutes at 5000rpm.
2. Slowly add Part 3 to Parts 1 and 2 and homogenize until dispersed.

Description

This W/Si Liquid Foundation features MTM3F40T7, TiO2 dispersion in methyl trimethicone, a non-D5 volatile silicone carrier with excellent skin feel. FADM/TB dispersions showcase the versatility of TTB treated pigments as they are easily incorporated into the silicone phase. SUMECTON SAN-P gives body and thickening to the oil/silicone phase. Caresil™ Pure Fluids, high clarity-purity silicone, CSF-3100@ 5cSt, delivers an emollient, silky feel with reduced tackiness. CSS-7302 is an effective emulsifier for a W/Si emulsion contributing to the stability. KOBOGUARD® MQ65TMF gives a flexible film and helps with the formula's wear.

Notes

Active Ingredient(s)
Titanium Dioxide 7.37%

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O/W KoboGel Aqua Medium Liquid Foundation

Formula KLF-190

Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
1	17.30	Deionized Water	Water	
	1.10	Di-Sodium Tetraborate Decahydrate	Sodium Borate	EMD Chemicals Inc.
	0.60	Eumulgin® SG	Sodium Stearoyl Glutamate	BASF
	0.30	Citric Acid USP Anhydrous, Fine Granular	Citric Acid	VWR Scientific Products
2	3.90	Glycerin U.S.P. Natural 96%	Glycerin	Ruger Chemical
	0.25	Keltrol® CG	Xanthan Gum	CP Kelco
3	25.20	Dermol 25B	C12-15 Alkyl Benzoate	Alzo International Inc.
	3.90	Lipo Polyglycol® 400	PEG-8	Vantage
	3.00	SunBoost ATB™	Argania Spinosa Kernel Oil (And) Tocopheryl Acetate (And) Bisabolol	Kobo Products
4	29.60	KoboGel Aqua Medium	Glycerin (And) Dimethicone (And) Water (And) Titanium Dioxide (And) Iron Oxides (And) Pentylene Glycol (And) Dimethicone/Vinyl Dimethicone Crosspolymer (And) Silica (And) Polysorbate 20 (And) Amodimethicone (And) Carbomer (And) Sodium Hydroxide (And) Disodium Edta (And) Aluminum Hydroxide	Kobo Products
5	4.00	SESO-CL3	Zea Mays (Corn) Starch (And) Polymethylsilsesquioxane (And) Polypropylsilsesquioxane (And) Aminopropyl Dimethicone	N&M/Kobo Products
6	3.90	DAITOSOL 5000SJ	Acrylates/Ethylhexyl Acrylate Copolymer (And) Water	Daito/ Kobo Products
	0.85	Phenoxetol®	Phenoxyethanol	Clariant
	0.10	TEALAN 99%	Triethanolamine	RITA Corp.
7	5.00	MSS-500/20N	Silica	Kobo Products
	1.00	MSS-500/3H	Silica	Kobo Products

100

Manufacturing Procedure

1. In main beaker, add Part 1 ingredients. Prop mix until homogenous.
2. Pre-mix Part 2. Slurry and add to Part 1 while mixing.
3. Combine Part 3 and slowly add to Batch (Parts 1 and 2).
4. Slowly add Part 4 to batch. Continue prop mixing.
5. Slowly add Part 5 to batch. Mix for 10 min.
6. Combine Part 6 adjust pH to range 6.5 to 7.0.
7. Slowly add Part 6 then Part 7 to batch. Continue mixing until homogenous.

Description

This O/W Liquid Foundation features KoboGel Aqua Medium. KoboGel Aqua is a series of color composites available in light, medium, and dark combinations. Use of these products aids in color matching and enriches aqueous based formulas. A light and smooth texture can be felt upon initial application followed by a velvety afterfeel. They also impart a "soft focus" effect and help to hide imperfections on the skin's surface. The foundation also includes SunBoost ATB™, a proprietary blend of antioxidant, anti-irritant and anti-inflammatory agents. SESO-CL3 is responsible for soft focus effect and enhanced feel. DAITOSOL 5000SJ is a film former that provides water resistance to the formulation. MSS-500/20N is a silica microsphere that offers a ball-bearing effect which will impart finished products with an elegant silky texture, increased payoff, and enhanced slip which promotes better blendability on the skin. MSS-500/3H, a porous silica microsphere, can offer a dry touch and matte effect to the formulation.

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Neutralizing, Oil-Absorbing, Loose Powder

Formula KPW-027

Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
1	62.80	KoboMica Y-08	Mica	Kobo Products
	20.00	TR-2	Nylon-6	Toray/Kobo Products
	15.00	BTD-ASG2	Titanium Dioxide (And) Stearoyl Glutamic Acid	Kobo Products
	2.00	BGCO-ASG4	Chromium Oxide Greens (And) Stearoyl Glutamic Acid	Kobo Products
	0.10	Propyl Paraben NF	Propylparaben	International Sourcing
	0.10	Methyl Paraben NF	Methylparaben	International Sourcing

100

Manufacturing Procedure

1. Combine all ingredients through pulverizer until color is fully developed.

Description

This loose powder exhibits good oil absorbency as well as high coverage due to Kobo's microsphere, TR-2. ASG treated materials are used to enhance skin adhesion as well as give the powder a creamy feel when applied.

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www.koboproducts.com

Bronzer with ASG Treated Pigments

Formula KPP-101

Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
1	65.45	KoboTalc EX-15	Talc	Kobo Products
	10.00	EA-209	Ethylene/Acrylic Acid Copolymer	Kobo Products
	5.80	BTD-ASG2	Titanium Dioxide (And) Stearoyl Glutamic Acid	Kobo Products
	3.90	BYO-ASG3	Iron Oxides (C.I. 77492) (And) Stearoyl Glutamic Acid	Kobo Products
	2.00	MAGNESIUM MYRISTATE	Magnesium Myristate	Kobo Products
	1.12	BRO-ASG3	Iron Oxides (C.I. 77491) (And) Stearoyl Glutamic Acid	Kobo Products
	0.53	BBO-ASG3	Iron Oxides (C.I. 77499) (And) Stearoyl Glutamic Acid	Kobo Products
	0.20	Microcare® PPD	Talc (And) Phenoxyethanol (And) Decylene Glycol (And) Hydrated Silica	Thor Personal Care
2	2.50	LEXOL® PG-865	Propylene Glycol Dicaprylate/Dicaprate	Inolex
	2.50	CSF-3100@20cSt	Dimethicone	Nusil/Kobo Products
	2.00	CSF-3100@350cSt	Dimethicone	Nusil/Kobo Products
	1.00	SS4267	Dimethicone (And) Trimethylsiloxysilicate	Momentive
3	3.00	KTZ® BRONZE D OR	Mica (And) Iron Oxides (C.I. 77491)	Kobo Products

100

Manufacturing Procedure

1. Combine Part 1 in blender. Blend until color is fully developed.
2. Combine Part 2 and mix well.
3. Add Part 2 to Part 1 and blend well.
4. Add Part 3 and blend at low speed.
5. Press @ 600 psi.

Description

This Bronzer offers a kiss of color with Kobo's KTZ® BRONZE D'OR. Kobo's Stearoyl Glutamic Acid (ASG) Treatment gives the pressed powder excellent color development, good adhesion to skin, and even application with a soft velvet-like feel. MAGNESIUM MYRISTATE is a dry binder that offers very good pressability. The optical enhancing microsphere, EA-209, is responsible for soft focus effect, and gives the formula an enhanced feel. KoboTalc EX-15 provides a dry and smooth feel. The combination of CSF-3100@20 cSt and 350cSt helps to provide compressibility to the pressed powder and gives a glide upon application.

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November, 2016

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www.koboproducts.com

Pressed Powder Foundation

Formula KPP-102

Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
1	66.10	GMS-TTB4	Mica (And) Isopropyl Titanium Triisostearate (And) Triethoxysilylethyl Polydimethylsiloxyethyl Dimethicone	Kobo Products
	5.90	BGYO-TTB2	Iron Oxides (C.I. 77492) (And) Isopropyl Titanium Triisostearate (And) Triethoxysilylethyl Polydimethylsiloxyethyl Dimethicone	Kobo Products
	5.00	MSS-500W	Silica	Kobo Products
	5.00	CARESS® BN09	Boron Nitride	Bent Tree/Kobo Products
	3.00	KTZ® FINE WHITE	Mica (And) Titanium Dioxide	Kobo Products
	2.20	ZINC MYRISTATE	Zinc Myristate	Kobo Products
	2.00	RBTD-TTB2	Titanium Dioxide (And) Isopropyl Titanium Triisostearate (And) Triethoxysilylethyl Polydimethylsiloxyethyl Dimethicone	Kobo Products
	1.80	BGRO-TTB2	Iron Oxides (C.I. 77491) (And) Isopropyl Titanium Triisostearate (And) Triethoxysilylethyl Polydimethylsiloxyethyl Dimethicone	Kobo Products
	1.00	BGBO-TTB2	Iron Oxides (C.I. 77499) (And) Triethoxysilylethyl Polydimethylsiloxyethyl Dimethicone (And) Isopropyl Titanium Triisostearate	Kobo Products
	2	2.50	Lexol® PG-865	Propylene Glycol Dicaprylate/Dicaprate
2.50		CSF-3100@20cSt	Dimethicone	Nusil/Kobo Products
2.00		CSF-3100@350cSt	Dimethicone	Nusil/Kobo Products
1.00		SS4267	Dimethicone (And) Trimethylsiloxy silicate	Momentive

100

Manufacturing Procedure

1. Combine Part 1 in blender. Blend until color is fully developed.
2. Combine Part 2 and mix well.
3. Add Part 2 to Part 1 and blend until uniform.
4. Press at 700 psi.

Description

This pressed powder features Kobo's TTB-Treated Pigments to show how they enhance formula wear. This treatment is both hydrophobic and lipophilic. Boron Nitride, CARESS® BN09, enhances the formula with increased slip and a creamy feel. It imparts superior softness and tactility, superb spreadability, excellent adherence, and good coverage. MSS-500W gives slip and a great creamy feel. ZINC MYRISTATE also contributes to great feel, adherence on the skin, and acts as part of the formula's dry binder system. Carecil Pure Fluids, high clarity-purity silicones, CSF-3100@20cSt and 350cSt, deliver an emollient, silky feel. KTZ® FINE WHITE imparts sheen for natural glow.

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January, 2017

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Oil-Absorbing, Natural Pressed Powder with

Formula KPP-103

COVERSIL-100

Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
1	57.18	TALC N-NJE2	Talc (And) Jojoba Esters	Kobo Products
	20.00	GMS-NJE3	Mica (And) Jojoba Esters	Kobo Products
	7.00	RBTD-671-NJE2	Titanium Dioxide (And) Jojoba Esters	Kobo Products
	2.50	MAGNESIUM MYRISTATE	Magnesium Myristate	Kobo Products
	2.50	COVERSIL-100	Silica	Bo-Kwang/Kobo Products
	1.00	BYO-NJE3	Iron Oxides (C.I. 77492) (And) Jojoba Esters	Kobo Products
	0.86	BRO-NJE2	Iron Oxides (C.I. 77491) (And) Jojoba Esters	Kobo Products
	0.50	Lexgard® Natural	Glyceryl Caprylate (And) Glyceryl Undecylenate	Inolex Chemical Company
	0.46	BBO-NJE2	Iron Oxides (C.I. 77499) (And) Jojoba Esters	Kobo Products
2	2.50	LEXOL® PG-865	Propylene Glycol Dicaprylate/Dicaprate	Inolex Chemical Company
	2.50	CSF-3100@20cSt	Dimethicone	NuSil/Kobo Products
	2.00	CSF-3100@350cSt	Dimethicone	NuSil/Kobo Products
	1.00	SS4267	Dimethicone (And) Trimethylsiloxysilicate	Momentive

100

Manufacturing Procedure

1. Blend Part 1 through pulverizer until color is fully developed.
2. Add Part 2 and blend well.
3. Press at 500 psi.

Description

This natural powder foundation features COVERSIL-100, which helps to absorb oil and also gives the powder a very creamy and smooth feel on skin. COVERSIL-100 is used as a functional filler to help with the flowability of a pressed powder. Kobo's patented Natural Jojoba Ester-treated pigments and powders (NJE) gives great feel, even application, and good adherence on the skin, contributing to long wear. MAGNESIUM MYRISTATE is a dry binder to help with formula compressibility.

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January, 2017

Creamy Pressed Powder with KoboBlur 100 Natural

Formula KPP-104

Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
1	70.48	GMS-ASG3	Mica (And) Stearoyl Glutamic Acid	Kobo Products
	10.00	KoboBlur 100 Natural	Silica (And) Cellulose (And) Mica (And) Barium Sulfate (And) Titanium Dioxide (And) Jojoba Esters	Kobo Products
	7.00	BTD-ASG2	Titanium Dioxide (And) Stearoyl Glutamic Acid	Kobo Products
	2.20	ZINC MYRISTATE	Zinc Myristate	Kobo Products
	1.00	BYO-ASG3	Iron Oxides (C.I. 77492) (And) Stearoyl Glutamic Acid	Kobo Products
	0.86	BRO-ASG3	Iron Oxides (C.I. 77491) (And) Stearoyl Glutamic Acid	Kobo Products
	0.46	BBO-ASG3	Iron Oxides (C.I. 77499) (And) Stearoyl Glutamic Acid	Kobo Products
2	2.50	Lexol® PG-865	Propylene Glycol Dicaprylate/Dicaprate	Inolex Chemical Company
	2.50	CSF-3100@20cSt	Dimethicone	NuSil/Kobo Products
	2.00	CSF-3100@350cSt	Dimethicone	NuSil/Kobo Products
	1.00	SS4267	Dimethicone (And) Trimethylsiloxysilicate	Momentive

100

Manufacturing Procedure

1. Micropulverize Part 1 until color is fully developed.
2. Add Part 2 to Part 1.
3. Blend well.
4. Press at 700 psi.

Description

This pressed powder applies smoothly as a result of Kobo's ASG treated materials to provide a soft, velvet-like feel in combination with KoboBlur 100 Natural to enhance product payoff. KoboBlur 100 Natural gives a soft powdery after feel with soft focus effect. Powder compressibility is addressed with our dry binder, ZINC MYRISTATE. Caresil Pure Fluids, high clarity-purity silicones, CSF-3100@20cSt and @350cSt, deliver an emollient, silky feel.

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www.koboproducts.com

KTZ® EBONY Pearlescent Eye Shadow - Formula KEY-062C Midnight Sky

Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
1	38.89	SERICITE GMS-4C	Mica	Kobo Products
	24.00	TALC N-I2	Talc (And) Isopropyl Titanium Triisostearate	Kobo Products
	7.00	KTZ® EBONY	Iron Oxides (C.I. 77499) (And) Mica	Kobo Products
	6.76	BUB-I2	Ultramarines (And) Isopropyl Titanium Triisostearate	Kobo Products
	3.00	MSS-500/20N	Silica	Kobo Products
	0.15	Methyl Paraben NF	Methylparaben	International Sourcing
	0.10	Propyl Paraben NF	Propylparaben	International Sourcing
2	3.37	CSF-3100@100cSt	Dimethicone	NuSil/Kobo Products
	3.37	CSF-3100@1000cSt	Dimethicone	NuSil/Kobo Products
	3.36	CSF-3100@20cSt	Dimethicone	NuSil/Kobo Products
3	10.00	KOBOPEARL® PERPETUAL LUSTER GreenBlue	Synthetic Fluorhlogopite (And) Silica (And) Titanium Dioxide	Kobo Products

100

Manufacturing Procedure

1. In blender micropulverize Part 1 until color is developed and all ingredients are uniform.
2. In a side beaker, add Part 2 and mix until homogenous.
3. Slowly add Part 2 in blender and mix until fully uniform.
4. Add Part 3 to blender and mix until uniform.
5. Press at 500psi.

Description

This Eye Shadow Features Kobo's Isopropyl Titanium Triisostearate (ITT) Treatment of which Kobo has a wide range of colors to offer. This treatment has good affinity to the skin, a creamy feel and helps improve compressibility. Microsphere, MSS-500/20N, gives an excellent application. Caresil Pure Fluids, are used as wet binders and deliver an emollient, silky feel with reduced tackiness that brings about high spreadability and compatibility. KTZ® EBONY adds a dark undertone to help the KOBOPEARL® PERPETUAL LUSTER GreenBlue stand out when applied. SERICITE GMS-4C is a creamy Mica that helps the formula glide onto the lid and offers a subtle sheen.

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Green Hot Pour Eye Shadow with ASG Treatment

Formula KEY-064B

Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
1	10.00	ASO-I2	Aluminum Starch Octenylsuccinate (And) Isopropyl Titanium Triisostearate	Kobo Products
	6.05	GMS-ASG3	Mica (And) Stearoyl Glutamic Acid	Kobo Products
	5.00	BGCO-ASG4	Chromium Oxide Greens (And) Stearoyl Glutamic Acid	Kobo Products
	1.25	YELLOW 5AL-ASG4	Yellow 5 Lake (And) Stearoyl Glutamic Acid	Kobo Products
	0.50	BLUE 1AL-ASG4	Blue 1 Lake (And) Stearoyl Glutamic Acid	Kobo Products
	0.10	Propyl Paraben NF	Propylparaben	International Sourcing
	0.10	Methyl Paraben NF	Methylparaben	International Sourcing
2	3.00	Wickenol 155	Ethylhexyl Palmitate	Alzo International Inc.
3	26.00	Vegeight 1214 LC	Coconut Alkanes (And) Coco-Caprylate/Caprate	Grant Industries, Inc.
	7.50	CPF-3300@20cSt	Phenyl Trimethicone	NuSil/Kobo Products
	5.50	Lameform® TGI	Polyglycerol-3 Diisostearate	Chem Specs/Cognis Corp.
	3.00	PM WAX 82	Polyethylene (And) Microcrystalline Wax	Toray/Kobo Products
	2.00	Softisan® 100	Hydrogenated Coco-Glycerides	Condea Chemie
	1.00	Microcrystalline Wax SP-89	Microcrystalline Wax	Strahl & Pitsch, Inc.
	1.00	KOBOGUARD® HRPC	Hydrogenated Polycyclopentadiene (And) Polyethylene (And) Copernicia Cerifera (Carnauba) Wax (And) Tocopherol	Kobo Products
1.00	Carnauba Wax SP 63P	Copernicia Cerifera (Carnauba) Wax	Strahl & Pitsch, Inc.	
4	8.50	KOBOPEARL® PERPETUAL IO GreenRed	Synthetic Fluorhlogopite (And) Silica (And) Iron Oxides (C.I. 77491) (And) Titanium Dioxide	Kobo Products
	8.50	KTZ® INTERVAL GREEN	Titanium Dioxide (And) Mica	Kobo Products
	5.00	DSPCS/20N-I2	Silica (And) Ethylene/Methacrylate Copolymer (And) Isopropyl Titanium Triisostearate	Kobo Products
5	5.00	CXG-1104	Dimethicone (And) Dimethicone/Vinyl Dimethicone Crosspolymer	NuSil/Kobo Products

100

Manufacturing Procedure

- Blend Part 1 and pass through a micronizer until the color is fully dispersed.
- Add Part 2 to Part 1 and blend until fully dispersed.
- Heat Part 3 with stirring to 80°C.
- Add Parts 1 and 2 to Part 3 and mix until homogenous. Add Part 4.
- Add Part 5.
- Continue to mix until uniform while maintaining temperature.
- Pour at 78°C.

Description

This is a hot pour eye shadow with great texture and payoff. The ASG treatment helps the formula adhere and glide onto the skin and also contributes to the great feel. DSPCS/20N-I2 contributes greatly to the powdery afterfeel. ASO-I2 helps to absorb oil. PM WAX 82 is a combination of waxes used to structure the formula. KOBOGUARD® HRPC is a film former that gives good wear and adhesion. CPF-3300@20cSt is a Phenyl Trimethicone that increases spreadability and helps to improve the feel of the formula. CXG-1104 is a silicone elastomer that provides a silky powdery afterfeel. KTZ® INTERVAL GREEN and KOBOPEARL® PERPETUAL IO GreenRed provide shimmer and enhance the color.

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Anhydrous Mascara with PT1BM60B

Formula KMA-060A

Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
1	20.60	CPF-3300@10cSt	Phenyl Trimethicone	NuSil/Kobo Products
	5.00	CPF-3300@20cSt	Phenyl Trimethicone	NuSil/Kobo Products
	3.90	COMPOSITE ACCB-33	Kaolin (And) Black 2 (And) Acrylates Copolymer (And) Sodium Polyacrylate	Kobo Products
	1.80	CELL-U-LASH™ 40	Cellulose	Kobo Products
	1.80	CELL-U-LASH™ 90	Cellulose	Kobo Products
	1.80	SPC/BLACK NF-I2	Iron Oxides (C.I. 77499) (And) Ethylene/Methacrylate Copolymer (And) Isopropyl Titanium Triisostearate	Kobo Products
	0.30	DSPCS-I2	Silica (And) Ethylene/Methacrylate Copolymer (And) Isopropyl Titanium Triisostearate	Kobo Products
2	10.00	Butylene Glycol	Butylene Glycol	Ruger Chemical
	6.40	Propylene Glycol	Propylene Glycol	Ruger Chemical
	6.00	Glycerin U.S.P. Natural 96%	Glycerin	Ruger Chemical
	1.60	Jeesorb L-20	Polysorbate 20	Jeen International
	0.50	Butyl Paraben NF	Butylparaben	International Sourcing
	0.15	Germall® 115	Imidazolidinyl Urea	ISP
3	19.90	PT1BM60B	Iron Oxides (C.I. 77499) (And) Phenyl Trimethicone (And) Distearidimonium Hectorite (And) Isopropyl Titanium Triisostearate (And) Silica (And) 1,2-Hexanediol (And) Caprylyl Glycol	Kobo Products
	7.20	Beeswax White SP 422P	Beeswax	Strahl & Pitsch, Inc.
	4.00	Permalene™ M 70 Wax	Synthetic Wax	New Phase Technologies
	3.20	Carnauba Wax SP 63P	Copernicia Cerifera (Carnauba) Wax	Strahl & Pitsch, Inc.
	2.40	Candelilla Wax SP 75	Euphorbia Cerifera (Candelilla) Wax	Strahl & Pitsch, Inc.
	2.40	Dermofat 4919	Stearic Acid	Alzo International
	0.80	Liposorb® SQO	Sorbitan Sesquioleate	Vantage
	0.25	THIXIN® R	Trihydroxystearin	Elementis Specialties

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Manufacturing Procedure

1. Combine Part 1 until homogenous then add Part 2.
2. Begin heating Parts 1 and 2 with prop mixing at 80°C.
3. Combine Part 3 and prop mix at 80°C.
4. Slowly add Part 3 to Parts 1 and 2 with prop mixing at 80°C.
5. Begin cooling using side sweep at 400 rpm for 10 minutes, then 100 rpm for 20 minutes.

Description

This Anhydrous Mascara features Kobo's New PT1BM dispersion, PT1BM60B. This dispersion is easy to use, offering good spreadability and a silky feel. Kobo's non-nano carbon black, COMPOSITE ACCB-33, is used for intense deep, black color and volumizing properties. Kobo's Microsphere Complex, DSPCS-I2, is lightweight and provides volume to the lash. SPC/BLACK NF-I2, hollow microsphere complex with ITT, adds a building effect to the lashes and contributes to black color. CELL-U-LASH™ 90 imparts length and CELL-U-LASH™ 40 provides volume. Nusil's Phenyl Trimethicone CPF-3300@10cSt and CPF-3300@20cSt, are silicone fluids that can improve spreadability and the formula's feel upon application.

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Natural Mascara

Formula KMA-069-EU

Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
1	10.00	WHITE BEESWAX PASTILLES	Beeswax	Strahl & Pitsch / Rossow
	4.00	Lipocire™ A	Hydrogenated Palm Kernel Glycerides (And) Hydrogenated Palm Glycerides	Gattefosse
	4.00	Emulium® Mellifera	Polyglyceryl-6 Distearate (And) Jojoba Esters (And) Polyglyceryl-3 Beeswax (And) Cetyl Alcohol	Gattefosse
	3.00	Acticire®	Jojoba Esters (and) Acacia Decurrens Flower Wax (and) Helianthus Annuus (Sunflower) Seed Wax (and) Polyglycerin-3	Gattefosse
	2.00	Carnauba Wax SP 63P	Copernicia Cerifera (Carnauba) Wax	Strahl & Pitsch / Rossow
	0.30	Axol C62	Glyceryl stearate citrate	Evonik
2	8.00	BLACK NF	Iron Oxides (C.I. 77499)	Kobo Products
3	61.30	Deionized Water	Water	
	3.00	Glycérine Codex 99,5%	Glycerin	Interchimie
	1.00	Solagum AX	Acacia Senegal Gum (And) Xanthan Gum	seppic
4	2.00	CELL-U-LASH™ 150	Cellulose	Kobo Products
5	1.00	Hydrolite® 5	Pentylene Glycol	Symrise
	0.20	Symdiol 68	1,2-Hexanediol (And) Caprylyl Glycol	Symrise
6	0.20	Vitamin E-Acetate Care	Tocopheryl Acetate	BASF

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Manufacturing Procedure

1. Heat Part 1 to 85°C.
2. When all is melted, disperse Part 2 in Part 1 under propeller agitation.
3. Disperse Solagum AX in water (Part 3), and heat to 75°C when hydrated.
4. Add Part 3 into Parts 1 and 2 under rapid propeller agitation 2000 rpm for 10 min.
5. Add Part 4 at 45°C.
6. Add Parts 5 and 6 at temperature below 40°C.

Description

This Natural Mascara features BLACK NF, a fine Black Iron Oxide that gives deep black color to the mascara and is Ecocert-approved. CELL-U-LASH™ 150 is an Ecocert-approved cellulose fiber that offers a lengthening effect to the lashes.

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Lipstick with PT1BM Dispersions

Formula KLP-124A

Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
1	27.50	CPF-3300@10cSt	Phenyl Trimethicone	Nusil/Kobo Products
	19.80	Permalene™ M 70 Wax	Synthetic Wax	New Phase Technologies
	17.90	KOBOGUARD® 5400 CCT	Hydrogenated Polycyclopentadiene (And) Caprylic/Capric Triglyceride	Kobo Products
	10.00	PT1BM30R7C	Phenyl Trimethicone (And) Red 7 Lake (And) Isopropyl Titanium Triisostearate (And) Disteardimonium Hectorite (And) 1,2-Hexanediol (And) Caprylyl Glycol (And) Silica	Kobo Products
	8.75	PT1BM50Y5A	Phenyl Trimethicone (And) Yellow 5 Lake (And) Isopropyl Titanium Triisostearate (And) Disteardimonium Hectorite (And) Silica (And) 1,2-Hexanediol (And) Caprylyl Glycol	Kobo Products
	6.70	COSMOL™ 168ARV	Dipentaerythrityl Hexahydroxystearate/Hexastearate/Hexarosinate	Ikeda Corporation
	3.75	PT1BM70R	Iron Oxides (C.I. 77491) (And) Phenyl Trimethicone (And) Disteardimonium Hectorite (And) Isopropyl Titanium Triisostearate (And) Silica (And) 1,2-Hexanediol (And) Caprylyl Glycol	Kobo Products
	2.50	PT1BM70U	Titanium Dioxide (And) Phenyl Trimethicone (And) Disteardimonium Hectorite (And) Isopropyl Titanium Triisostearate (And) 1,2-Hexanediol (And) Caprylyl Glycol (And) Silica	Kobo Products
	2.10	COSMOL™ 222	Diisostearyl Malate	Ikeda Corporation
	1.00	COSMOL™ 43V	Polyglyceryl-2 Triisostearate	Ikeda Corporation

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Manufacturing Procedure

1. Add all ingredients to the main vessel and heat to 90°C until waxes are completely melted. Mix until pigments are fully dispersed.
2. Cool to 65°C and pour into components.

Description

This Lipstick formula features Kobo's New PT1BM dispersions. These dispersions are easy to use, offering good spreadability and a silky feel. Phenyl Trimethicone CPF-3300@10cSt helps give the lipstick improved payoff, shine, as well as good spreadability. KOBOGUARD® 5400 CCT forms a film on the lips to help provide long wear properties.

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KOBO

www.koboproducts.com

Natural Butter Lipstick with OD Dispersions

Formula KLP-125

Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
1	50.25	Protachem CTG	Caprylic/Capric Triglyceride	Protameen
	14.75	OD75CJE	Titanium Dioxide (And) Octyldodecanol (And) Jojoba Esters (And) Trihydroxystearin	Kobo Products
	13.25	OD75RJE	Iron Oxides (C.I. 77491) (And) Octyldodecanol (And) Jojoba Esters (And) Trihydroxystearin	Kobo Products
	7.00	Cegesoft® SB	Butyrospermum Parkii (Shea) Butter	BASF
	6.00	Carnauba Wax SP 63P	Copernicia Cerifera (Carnauba) Wax	Strahl & Pitsch
	5.00	Ozokerite Wax White SP 1020P	Ozokerite	Strahl & Pitsch
	3.70	Candelilla Wax SP 75	Euphorbia Cerifera (Candelilla) Wax	Olvea
	0.05	BHT Food Grade Crystal	BHT	Universal Preserv-A-Chem, Inc.

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<u>Manufacturing Procedure</u>	<u>Description</u>
<ol style="list-style-type: none">1. Combine all of Part 1 ingredients and prop mix at 80°C until homogenous.2. Pour into mold at @65°C.	This all-natural Lipstick contains Kobo's, OD Pigmentary dispersions, made with patented, NJE, Natural Jojoba Ester surface treated pigments. The dispersions impart a soft and creamy texture to the lipstick.

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W/Si High Intensity Matte Liquid Lipstick with

Formula KLP-136

PMLVP Dispersions

Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
1	17.50	Permethyl® 99A	Isododecane	Presperse
	15.20	PMLVP75C	Titanium Dioxide (And) Isododecane (And) Isohexadecane (And) Isopropyl Titanium Triisostearate (And) Lecithin (And) Ethylene/Propylene/Styrene Copolymer (And) Polyhydroxystearic Acid (And) Butylene/Ethylene/Styrene Copolymer	Kobo Products
	10.90	PMLVP75R	Iron Oxides (C.I. 77491) (And) Isododecane (And) Isohexadecane (And) Lecithin (And) Polyhydroxystearic Acid (And) Ethylene/Propylene/Styrene Copolymer (And) Butylene/Ethylene/Styrene Copolymer (And) Isopropyl Titanium Triisostearate	Kobo Products
	2.50	CARESS® BN09	Boron Nitride	Bent Tree/Kobo Products
	2.40	KF-6106	Polyglyceryl-3 Polydimethylsiloxyethyl Dimethicone	Shin Etsu
	1.60	PMLVP70UB	Ultramarines (And) Isododecane (And) Isohexadecane (And) Lecithin (And) Polyhydroxystearic Acid (And) Ethylene/Propylene/Styrene Copolymer (And) Butylene/Ethylene/Styrene Copolymer (And) Triethoxycaprylylsilane	Kobo Products
	1.20	Abil® EM 90	Cetyl PEG/PPG-10/1 Dimethicone	Evonik
	0.80	Euxyl® PE 9010	Phenoxyethanol (And) Ethylhexylglycerin	Schulke & Mayr
	0.60	CSS-7300	Cyclopentasiloxane (And) PEG/PPG-18/18 Dimethicone	NuSil/Kobo Products
	0.30	FLORITE PS-10	Calcium Silicate	Tomita/Kobo Products
2	16.10	Deionized Water	Water	
	3.60	Butylene Glycol	Butylene Glycol	Pride Solvents & Chemicals Co. of NJ, Inc.
	2.50	MSS-500W	Silica	Kobo Products
	1.80	Glycerin U.S.P. Natural 96%	Glycerin	Univar USA Inc.
	0.60	Phenoxetol	Phenoxyethanol	Clariant
	0.60	Sodium Chloride	Sodium Chloride	Morton Salt
	0.30	Magnesium Sulfate	Magnesium Sulfate	Orient Stars LLC
	0.20	Liposorb® L-20	Polysorbate 20	Vantage Chemicals
	0.10	Trisodium EDTA	Trisodium EDTA	Protameen
	0.10	ALLANTOIN	Allantoin	Jeen International
3	16.10	CXG-1104	Dimethicone (And) Dimethicone/Vinyl Dimethicone Crosspolymer	NuSil/Kobo Products
	2.50	BPD-500W	HDI/Trimethylol Hexylactone Crosspolymer (And) Silica	Kobo Products
	2.50	SP-10	Nylon-12	Toray/Kobo Products

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Manufacturing Procedure

1. Combine Part 1 under homogenizer until uniform.
2. Combine Part 2 and prop mix until homogenous.
3. Slowly add Part 2 to Part 1 until homogenous.
4. Slowly add Part 3 to batch until homogenous.

Description

This High Intensity Matte Liquid Lipstick features PMLVP dispersions to offer full color development and better stability. SP-10, MSS-500W and FLORITE PS-10 help to improve feel and contribute to the matte effect. BPD-500W helps blur the appearance of wrinkles and fine lines on the lips. CXG-1104 is an elastomer gel that gives a silky, powdery feel and velvet effect. CARESS® BN09, Boron Nitride, gives superior softness, excellent adherence and provides good coverage. CSS-7300 is a W/Si emulsifier responsible for the stable emulsion structure while providing good spreadability.

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www.koboproducts.com

December, 2016

Dark Lipstick

Formula KLP-140-BR

Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier	
1	12.00	COSMOL™ 222	Diisostearyl Malate	Ikeda/Kobo Products	
	10.00	TECWAX OZOQUERITA	Ozokerite	Cosmotec	
	10.00	CPF-3300@20cSt	Phenyl Trimethicone	NuSil/Kobo Products	
	10.00	COSMOL™ 168ARV	Dipentaerythrityl Hexahydroxystearate/Hexastearate/Hexarosinate	Ikeda/Kobo Products	
	8.00	KOBOGUARD® HRPC	Hydrogenated Polycyclopentadiene (And) Polyethylene (And) Copernicia Cerifera (Carnauba) Wax (And) Tocopherol	Kobo Products	
	7.00	PM WAX 82	Polyethylene (And) Microcrystalline Wax	Kobo Products	
	6.00	COSMOL™ 43V	Polyglyceryl-2 Triisostearate	Ikeda/Kobo Products	
	4.00	INBP50R33A	Red 33 Lake (And) Isononyl Isononanoate (And) Isopropyl Myristate (And) Stearalkonium Hectorite (And) Polyhydroxystearic Acid (And) Isopropyl Titanium Triisostearate (And) Propylene Carbonate	Kobo Products	
	4.00	INBP45R7C	Red 7 Lake (And) Isononyl Isononanoate (And) Isopropyl Myristate (And) Stearalkonium Hectorite (And) Isopropyl Titanium Triisostearate (And) Propylene Carbonate (And) Polyhydroxystearic Acid	Kobo Products	
	2.00	Tecwax Abelha	Beeswax	Cosmotec	
	2.00	INBP75EB	Iron Oxides (C.I. 77499) (And) Isononyl Isononanoate (And) Isopropyl Myristate (And) Stearalkonium Hectorite (And) Polyhydroxystearic Acid (And) Isopropyl Titanium Triisostearate (And) Propylene Carbonate	Kobo Products	
	2	5.00	KTZ® EBONY	Iron Oxides (C.I. 77499) (And) Mica	Kobo Products
		3.00	GMS-FS	Mica (And) Perfluorooctyl Triethoxysilane	Kobo Products
3	10.00	CSV-3000	Cyclopentasiloxane	NuSil/Kobo Products	
	7.00	Permethyl® 99A	Isododecane	Cosmotec	
100					

Manufacturing Procedure

1. Combine Part 1 and heat to 80°C.
2. Mix until complete dispersion of the pigments.
3. Add Part 2 slowly.
4. Cool to 70°C and add Part 3.
5. Pour into the molds.

Description

This dark lipstick features a combination of INBP dispersions and KTZ® Ebony, a black pearlescent pigment, to achieve a dark and intense color. KOBOGUARD® HRPC provides water resistance and can improve wear of the formulation. COSMOL™ 222 is a pigment dispersant that offers great stability against oxidation. COSMOL™ 43V is another excellent pigment dispersant, recommended for lipsticks. COSMOL™ 168ARV has superior oxidative stability, miscibility, water retention, luster, and emollience. CPF-3300@20cSt is a phenyl silicone with a high refractive index that contributes to shine and spreadability. CSV-3000 is a D5 silicone that increases spreadability and improves feel. PM WAX 82 is a combination of waxes used to structure the formulation. INBP Pigmentary Dispersions in Isononyl Isononanoate can ease the manufacturing process and provide more vivid color. GMS-FS improves payoff and contributes long lasting wear due to the FS treatment that repels both water and oil.

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November, 2016

KOBO

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High Shine Red Lip Gloss with INBP50R28U

Formula KLG-081

Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
1	26.20	Panalene® H-300E	Hydrogenated Polyisobutene	Lipo Chemicals
	13.00	INBP50R28U	Red 28 Lake (And) Isononyl Isononanoate (And) Isopropyl Myristate (And) Stearalkonium Hectorite (And) Isopropyl Titanium Triisostearate (And) Propylene Carbonate (And) Polyhydroxystearic Acid	Kobo Products
	12.70	COSMOL™ 222	Diisostearyl Malate	Ikeda Corp.
	4.40	SALACOS® 99	Isononyl Isononanoate	Ikeda Corp.
	3.50	SALACOS® 5418V	Pentaerythrityl Tetraisostearate	Ikeda Corp.
	3.50	Liponate® IPM	Isopropyl Myristate	Vantage
	2.60	Petrolatum	Petrolatum	Parchem Trading
	1.71	Shea Butter	Shea Butter	BASF
	1.71	Lanolin Technical Grade	Lanolin	RITA Corp.
	1.00	Phenoxyethanol	Phenoxyethanol	Clariant
2	3.90	MSS-500/3H	Silica	Kobo Products
	0.80	WATERMELON (FL) CE-181464	Fragrance	Custom Essence
3	21.55	GMS-I2	Mica (And) Isopropyl Titanium Triisostearate	Kobo Products
	2.60	BPD-500	HDI/Trimethylol Hexyllactone Crosspolymer (And) Silica	Kobo Products
	0.83	DSPCS/20N-I2	Silica (And) Ethylene/Methacrylate Copolymer (And) Isopropyl Titanium Triisostearate	Kobo Products

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Manufacturing Procedure

1. Combine and prop mix Part 1 until homogenous.
2. Combine Part 2 and slowly add to Part 1.
3. Slowly add Part 3 into mix until homogenous.

Description

This Lip Gloss features Kobo's INBP50R28U dispersion, which gives the gloss a high color intensity as well as a creamy feel upon application. The INBP Dispersions are available in a wide range of pigments. GMS-I2 helps to give a base to the color for more opacity. Kobo's Microsphere, MSS-500/3H, contributes to a creamy application. BPD-500 helps to blur the appearance of wrinkles and fine lines on the lips. DSPCS/20N-12 gives a lightweight feel and helps the formula go immediately into a powder on the skin.

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www.koboproducts.com

Light Cushioned Blurring Primer

Formula KFL-111

Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
1	55.70	Deionized Water	Water	
	5.00	CES-1104	Dimethicone (And) Water (And) Glycerin (And) Pentylene Glycol (And) Dimethicone/Vinyl Dimethicone Crosspolymer (And) Amodimethicone (And) Carbomer (And) Phenoxyethanol (And) Sodium Hydroxide (And) Disodium Edta	NuSil/Kobo Products
	3.00	Butylene Glycol	Butylene Glycol	Ruger Chemical
	1.00	Gs-PPY	Water (And) Papain (And) Palmitoyl Hydroxypropyltrimonium Amylopectin/Glycerin Crosspolymer (And) Phenoxyethanol (And) Hydrogenated Lecithin (And) Parabens	Kobo Products
	1.00	Gs-GT	Water (And) Camellia Sinensis Leaf Extract (And) Palmitoyl Hydroxypropyltrimonium Amylopectin/Glycerin Crosspolymer (And) Phenoxyethanol (And) Parabens (And) Hydrogenated Lecithin	Kobo Products
1.00	Germaben® II	Propylene Glycol (And) Diazolidinyl Urea (And) Methylparaben (And) Propylparaben	ISP	
2	11.00	Protachem™ CTG	Caprylic/Capric Triglyceride	Protameen
	5.50	EA-209	Ethylene/Acrylic Acid Copolymer	Kobo Products
	5.00	SESQ-MH5	Polymethylsilsesquioxane (And) Silica	N&M/Kobo Products
	4.00	SALACOS® 99	Isononyl Isononanoate	Ikeda
	3.00	BPD-500W	HDI/Trimethylol Hexyllactone Crosspolymer (And) Silica	Kobo Products
	3.00	ABIL® Care XL 80	Bis-PEG/PPG-20/5 PEG/PPG-20/5 Dimethicone (And) Methoxy PEG/PPG-25/4 Dimethicone (And) Caprylic/Capric Triglyceride	Evonik
1.00	Liposorb® O	Sorbitan Oleate	Lipo Chemicals	
3	0.80	Sepigel™ 305	Polyacrylamide (And) C13-14 Isoparaffin (And) Laureth-7	ChemyUnion/Seppic

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Manufacturing Procedure

1. Combine Part 1 and homogenize.
2. Premix Part 2 and add to Part 1 under homogenization.
3. Add Part 3 and homogenize.

Description

This light-on-the-skin, air cushion primer features Kobo's Glycospheres Gs-PPY and Gs-GT. Active ingredients, papain and green tea polyphenols, are released from the systems to both protect the skin and replenish it. Nusil's CES-1104 is an encapsulated elastomer gel that can be added to the water phase or post emulsification. Upon application the encapsulated CES materials break and offer an initial refreshing feel that is followed by a velvety silicone after feel. Hydrophilic Silicone Resin, SESQ-MH5, offers a smooth application with good payoff and soft focus effect. Microspheres, BPD-500W and EA-209 create a natural blurring effect that minimizes the look of lines and wrinkles and illuminates the skin.

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KOBO

www.koboproducts.com

Clay Face Mask

Formula KFL-112

Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
1	42.10	Deionized Water	Water	
2	2.00	Butylene Glycol	Butylene Glycol	Ruger Chemical
	2.00	Glycerin U.S.P. Natural 96%	Glycerin	Cognis Corp.
	0.30	Keltrol® CG	Xanthan Gum	CP Kelco
3	10.50	CSF-3100@350cSt	Dimethicone	NuSil/Kobo Products
	10.00	KAOLIN	Kaolin	Imerys
	5.00	SunBoost ATB™	Argania Spinosa Kernel Oil (And) Tocopheryl Acetate (And) Bisabolol	Kobo Products
	2.50	SP-10	Nylon-12	Toray/Kobo Products
	2.50	Lipopeg® 100-S	PEG-100 Stearate	Lipo Chemicals
	1.50	Lipo® GMS-450	Glyceryl Stearate	Vantage
	1.50	Lanette® O	Cetearyl Alcohol	BASF
4	1.50	Ethyl Alcohol E1028	Ethyl Alcohol	Warner Graham
5	5.00	BTD-ASG2	Titanium Dioxide (And) Stearoyl Glutamic Acid	Kobo Products
	5.00	CSV-3000	Cyclopentasiloxane	NuSil/Kobo Products
	3.00	Bentone Gel VS-5 PC V	Cyclopentasiloxane (And) Disteardimonium Hectorite (And) Propylene Carbonate	Elementis Specialties
	0.90	Euxyl® PE 9010	Phenoxyethanol (And) Ethylhexylglycerin	Schulke & Mayr
	0.40	BBO-ASG3	Iron Oxides (C.I. 77499) (And) Stearoyl Glutamic Acid	Kobo Products
6	3.00	Glycerin U.S.P. Natural 96%	Glycerin	Cognis Corp.
	0.30	AQUA KEEP 10SH-NFC	Sodium Acrylates Crosspolymer-2	Kobo Products
7	0.50	Gs-VE	Water (And) Palmitoyl Hydroxypropyltrimonium Amylopectin/Glycerin Crosspolymer (And) Phenoxyethanol (And) Tocopherol (And) Parabens (And) Hydrogenated Lecithin	Kobo Products
	0.50	Gs-GT	Water (And) Camellia Sinensis Leaf Extract (And) Palmitoyl Hydroxypropyltrimonium Amylopectin/Glycerin Crosspolymer (And) Phenoxyethanol (And) Parabens (And) Hydrogenated Lecithin	Kobo Products

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Manufacturing Procedure

- In main beaker, heat Part 1 to 80°C.
- Premix Part 2 and add to Part 1 with prop mixing.
- Heat Part 3 in side beaker.
- Add Part 3 to Parts 1 and 2 under homogenization.
- Cool to room temp and add Part 4.
- Premix Part 5 and add to batch under homogenization.
- Premix Part 6 and add to batch under prop mix.
- Add Part 7.

Description

This Clay Mask features AQUA KEEP 10SH-NFC which gels the external water phase of the emulsion. It also contains ASG treated pigments, with an amino acid treatment that aids in pigment dispersion and provides a creamy feel to the formula. Microsphere SP-10 allows a smooth application and gives a soft powdery feel. SunBoost ATB™ is a proprietary mix of anti-oxidant and anti-inflammatory agents. Glycospheres Gs-VE and Gs-GT protect and deliver active ingredients to give a revitalized effect. CSF-3100@350cSt improves application and spreadability while leaving a light moisturized feel after the mask is washed off.

Kobo Products, Inc.

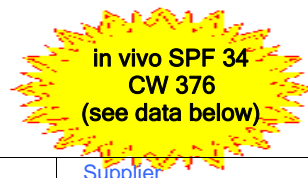
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www.koboproducts.com

UV Hand Lotion

Formula KFL-114A



Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier	
1	10.00	CPF-3300@10cSt	Phenyl Trimethicone	NuSil/Kobo Products	
	5.00	SunBoost ATB™	Argania Spinosa Kernel Oil (And) Tocopheryl Acetate (And) Bisabolol	Kobo Products	
	4.00	Squalane NF	Squalane	Barnet	
	3.00	Dermol 25B	C12-15 Alkyl Benzoate	Alzo International Inc.	
	3.00	MST-547	Polymethylsilsesquioxane	Kobo Products	
	3.00	Protachem™ CTG	Caprylic/Capric Triglyceride	Protameen	
	2.00	Lanette O	Cetearyl Alcohol	Cognis	
	2.00	Lipomulse® 165	Glyceryl Stearate (And) PEG-100 Stearate	Vantage	
	2.00	CSF-3100@20cSt	Dimethicone	NuSil/Kobo Products	
2	10.00	HBTN55TIS-EU	Butyloctyl Salicylate (And) Titanium Dioxide (And) Isostearic Acid (And) Aluminum Hydroxide (And) C12-15 Alkyl Benzoate (And) Stearic Acid	Kobo Products	
	5.00	GC70MZCSG	Zinc Oxide (And) Caprylic/Capric Triglyceride (And) Stearoyl Glutamic Acid (And) Glyceryl Behenate/Eicosadioate	Kobo Products	
3	13.95	Deionized Water	Water		
	7.00	Glycerin U.S.P. F.C.C. 96%	Glycerin	Ruger Chemical	
	5.00	NET-LH	Hydrogenated Lecithin, Sodium Methyl Stearoyl Taurate, Glycerin, Squalane, Hydrogenated Lecithin, Sodium Methyl Stearoyl Taurate, Glycerin, Squalane, Hydroxypropylmethylcellulose Stearoyl Ether	Barnet Products Corp.	
	3.00	Butylene Glycol	Butylene Glycol	Ruger Chemical	
	0.50	PHENOXYETOL	Phenoxyethanol	Clariant	
	0.35	Polysorbate 20	Polysorbate 20	Rita Corp.	
	0.30	Trisodium EDTA	Trisodium EDTA	Protameen	
	0.30	ALLANTOIN	Allantoin	ISP	
	4	5.00	MSS-500/20N	Silica	Kobo Products
	5	15.00	CES-1104	Dimethicone (And) Water (And) Glycerin (And) Pentylene Glycol (And) Dimethicone/Vinyl Dimethicone Crosspolymer (And) Amodimethicone (And) Carbomer (And) Phenoxyethanol (And) Sodium Hydroxide (And) Disodium Edta	NuSil/Kobo Products
0.50		Gs-GT	Water (And) Camellia Sinensis Leaf Extract (And) Palmitoyl Hydroxypropyltrimonium Amylopectin/Glycerin Crosspolymer (And) Phenoxyethanol (And) Parabens (And) Hydrogenated Lecithin	Kobo Products	
0.10		CE-181662	Almond Milk & White Lavender (NF)	Custom Essence	

100

Manufacturing Procedure

1. In main beaker, add Part 3. Heat to 70°C and homogenize.
2. In side beaker, add Part 1 and heat to 70°C.
3. Add Part 2 to Part 1 and mix until uniform.
4. Add combined Parts 1 and 2 to main beaker under homogenizer at 70°C.
5. Start cooling and slowly add Part 4 under homogenization.
6. Switch to side sweep mixing and slowly add Part 5 ingredients, one at a time, while cooling.

Description

This UV hand lotion, has Zinc Oxide dispersion GC70MZCSG and Titanium Dioxide dispersion HBTN55TIS-EU to give broad spectrum protection. NuSil's CES-1104 is an encapsulated elastomer gel that can be added to the water phase or post emulsification. Upon application the encapsulated CES materials break and offer an initial refreshing feel that is followed by a velvety silicone after feel. CPF-3300@10cSt and CSF-3100@20cSt, are silicone fluids that can improve spreadability and the formula's feel upon application. Microspheres MST-547 and MSS-500/20N add soft focus to the formula and a nice feel when applied. SunBoost ATB™, a proprietary blend of antioxidant, anti-irritant and anti-inflammatory agents, will help boost SPF and give skin care claims. Glycosphere Gs-GT Green tea extract, is a free-radical scavenger for anti-inflammatory properties.

Notes

SPF testing: in vivo on 3 subjects

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February, 2017



Kiwi Shower Gel

Formula KCL-016-EU

Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
1	31.00	Deionized Water	Water	-
	9.50	Carbopol Aqua SF-2	Acrylates Crosspolymer-4	Lubrizon
2	40.00	Steol CS-230 HA	Sodium Laureth Sulfate	Stepan/Brenntag
	5.00	AMPHOSOL® CG-UN	Cocamidopropyl betaine	Stepan/Brenntag
3	2.55	NaOH (15% solution)	Sodium Hydroxide	Acros Organics
4	2.00	Glycérine Codex 99.5%	Glycerin	Interchimie
	0.50	Microcare® PHC	Phenoxyethanol (and) Chlorphenesin (and) Glycerin	Thor Personal Care
5	1.00	Tween™ 20	Polysorbate 20	Croda
	0.50	Kiwi EQ195508/00	Fragrance	Givaudan/Brenntag
6	2.25	Citric Acid (30% solution)	Citric Acid	Acros Organics
7	2.70	Jaune Citron (0.01% solution)	CI 19140	Sensient Cosmetic Technologies
	0.50	Bleu W683 (0.002% solution)	CI 42051	Sensient Cosmetic Technologies
8	2.50	SpS-BkFeO41b	Water (And) Propylene Glycol (And) Pentylene Glycol (And) Polyquaternium-11 (And) Agar (And) 1,2-Hexanediol (And) Caprylyl Glycol (And) Iron Oxides (C.I. 77499)	Kobo Products

100

Manufacturing Procedure

1. Add Carbopol Aqua SF-2 polymer to water and mix with propeller.
2. Add Part 2 in the given order under low propeller agitation.
3. Add neutralizing base targeting pH 6.5 to 6.8.
4. Add Part 4 under slow propeller agitation.
5. Premix Part 5 and add to the bulk.
6. Apply "back-acid" formulating technique adding acid to lower pH to 5.5.
7. Add Part 7 under slow propeller agitation.
7. Add Part 8 under slow propeller agitation.

Description

This Kiwi Shower Gel showcases Kobo's black, medium sized delivery system, Softspheres SpS-BkFeO41b, offering a nice, eye-catching, Kiwi-inspired effect.

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Formulations

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The Powder & Dispersion Specialist

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