

FORMULARY

PCHi 2017

KOBO

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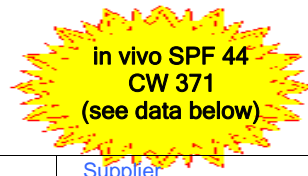
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Sunscreen Stick with SunBoost ATB™

Formula KSL-171C



Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
1	25.14	Unitolate 160K	Caprylic/Capric Triglyceride	Universal Preserv-A-Chem
	13.64	HBTN55TIS	Butyloctyl Salicylate (And) Titanium Dioxide (And) Isostearic Acid (And) Aluminum Hydroxide (And) C12-15 Alkyl Benzoate	Kobo Products
	11.00	Ozokerite Wax White SP 1020P	Ozokerite	Strahl & Pitsch, Inc.
	9.00	Jeechem ISIS	Isostearyl Isostearate	Jeen International
	7.22	HBTN65HP1	Zinc Oxide (And) Butyloctyl Salicylate (And) C12-15 Alkyl Benzoate (And) Triethoxycaprylylsilane	Kobo Products
	6.00	Lanolin Technical Grade	Lanolin	RITA Corp.
	5.50	Candelilla Wax	Euphorbia Cerifera (Candelilla) Wax	Frank B. Ross
	5.00	SunBoost ATB™	Argania Spinosa Kernel Oil (And) Tocopheryl Acetate (And) Bisabolol	Kobo Products
	5.00	Castor Oil	Ricinus Communis (Castor) Seed Oil	Alzo International Inc.
	4.50	Carnauba Wax	Copernica Cerifera (Carnauba) Wax	Strahl & Pitsch, Inc.
	4.00	Softisan® 100	Hydrogenated Coco-Glycerides	Condea Chemie
	4.00	Beeswax White SP 422P	Beeswax	Strahl & Pitsch, Inc.

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<p>Manufacturing Procedure Add all ingredients together and heat to 70-80°C. Mix until all waxes are melted and pour into sticks at 78-80°C.</p>	<p>Description This sunscreen stick contains Kobo's new SunBoost ATB™, which contains a proprietary ratio of anti-oxidants, anti-irritant and anti-inflammatory agents. SunBoost ATB™ increased this sunscreen's SPF from 31.4 to 44.93. It can also boost PFA values. This sunscreen also uses Kobo's Zinc Oxide Dispersion, HBTN65HP1 and Titanium Dioxide Dispersion, HBTN55TIS, for UVA/UVB protection. The Butyloctyl Salicylate is a booster to help increase the SPF value. This stick applies smoothly and is convenient to use. This formula contains 8.2% Butyloctyl Salicylate.</p>						
	<p>Notes</p> <table border="0"> <tr> <td>Active Ingredient(s)</td> <td></td> </tr> <tr> <td> Zinc Oxide</td> <td style="text-align: right;">4.60%</td> </tr> <tr> <td> Titanium Dioxide</td> <td style="text-align: right;">6.00%</td> </tr> </table> <p>SPF testing: in vivo on 3 subjects</p>	Active Ingredient(s)		Zinc Oxide	4.60%	Titanium Dioxide	6.00%
Active Ingredient(s)							
Zinc Oxide	4.60%						
Titanium Dioxide	6.00%						

Kobo Products, Inc.

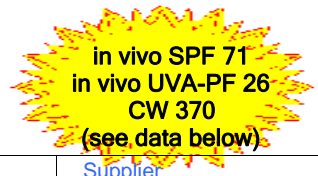
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W/O Sunscreen Milk

Formula KSL-269A



Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
1	35.00	CM3K50XZ4	Zinc Oxide (And) Cyclopentasiloxane (And) PEG-10 Dimethicone (And) Methicone	Kobo Products
	30.00	CM3K40T4	Cyclopentasiloxane (And) Titanium Dioxide (And) PEG-10 Dimethicone (And) Alumina (And) Hydrogen Dimethicone	Kobo Products
	11.50	Permethyl 99A	Isododecane	Presperse
	3.00	BPD-500	HDI/Trimethylol Hexyllactone Crosspolymer (And) Silica	Kobo Products
	2.00	KSP-102	Vinyl Dimethicone/Methicone Silsesquioxane Crosspolymer	Shin Etsu
	1.00	Lipo Polyglycol® 400	PEG-8	Vantage
	0.50	Wickenol 155	Ethylhexyl Palmitate	Alzo International Inc.
2	1.50	SR1000	Trimethylsiloxysilicate	Momentive
	1.50	Permethyl 99A	Isododecane	Presperse
3	7.75	Deionized Water	Water	
	5.00	Glycerin U.S.P. Natural 96%	Glycerin	Ruger Chemical
	1.00	Germaben® II	Propylene Glycol (And) Diazolidinyl Urea (And) Methylparaben (And) Propylparaben	ISP
	0.20	Sodium Citrate	Sodium Citrate	DSM Nutritional Products
	0.05	EDTA-3Na	Trisodium EDTA	DSM Nutritional Products

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<u>Manufacturing Procedure</u>	<u>Description</u>						
<ol style="list-style-type: none"> Dissolve and disperse each Part uniformly. Combine Part 2 with propeller mixing for 1 hour until homogenous. While mixing Part 1 with homogenizer at 2500rpm add Part 2 to Part 1 gradually. Combine Part 3 until homogenous. Slowly add Part 3 to Parts 1 and 2 at 4000rpm for 5 minutes with homogenizer. 	<p>A very thin 'milk' type sunscreen with high SPF and UVA that glides effortlessly onto the skin. CM3K40T4 is a low-whitening TiO2 dispersion that allows the formula to attain a high SPF. ZnO dispersion, CM3K50XZ4 improves UVA to yield a UV Balanced formula with minimal whitening. Kobo Microsphere, BPD-500, is a microsphere that gives soft focus and enhanced feel.</p>						
	<p><u>Notes</u></p> <table> <tr> <td>Active Ingredient(s)</td> <td></td> </tr> <tr> <td> Titanium Dioxide</td> <td>8.70%</td> </tr> <tr> <td> Zinc Oxide</td> <td>16.10%</td> </tr> </table> <p>SPF testing: in vivo on 3 subjects</p>	Active Ingredient(s)		Titanium Dioxide	8.70%	Zinc Oxide	16.10%
Active Ingredient(s)							
Titanium Dioxide	8.70%						
Zinc Oxide	16.10%						

Kobo Products, Inc.

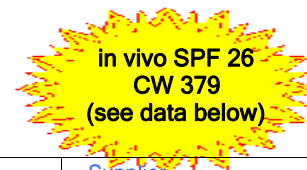
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Dry Touch Sunscreen

Formula KSL-285A



Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
1	27.32	CSV-3000	Cyclopentasiloxane	NuSil/Kobo Products
	9.90	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
	3.60	KF-6040	Cyclopentasiloxane (And) PEG/PPG-18/18 Dimethicone	Shin Etsu
	3.58	TNP65MZS	Zinc Oxide (And) C12-15 Alkyl Benzoate (And) Polyhydroxystearic Acid (And) Triethoxycaprylylsilane	Kobo Products
	2.00	Abil® EM 90	Cetyl PEG/PPG-10/1 Dimethicone	Evonik
	2.00	CPF-3300@20cSt	Phenyl Trimethicone	NuSil/Kobo Products
	2.00	CARESS® BN09	Boron Nitride	Bent Tree/Kobo Products
	0.75	SF1528	Cyclopentasiloxane (And) PEG/PPG-20/15 Dimethicone	Momentive
	0.70	CXG-1101	Cyclopentasiloxane (And) Dimethicone/Vinyl Dimethicone Crosspolymer	NuSil/Kobo Products
	0.50	FLORITE R	Calcium Silicate	Tomita/Kobo Products
0.10	Propyl Paraben NF	Propylparaben	International Sourcing	
2	29.35	Deionized Water	Water	
	2.30	Butylene Glycol	Butylene Glycol	Ruger Chemical
	2.30	CELLULOBEADS D-5	Cellulose	Daito/Kobo Products
	2.00	COMPOSITE ACZ-50	Zinc Oxide (And) Acrylates Copolymer (And) Kaolin (And) Sodium Polyacrylate	Kobo Products
	1.50	Glycerin U.S.P. Natural 96%	Glycerin	Ruger Chemical
	1.00	COMPOSITE ACT-50	Titanium Dioxide (And) Acrylates Copolymer (And) Hydrated Silica (And) Algin (And) Aluminum Hydroxide	Kobo Products
	0.75	Sodium Chloride	Sodium Chloride	Morton Salt
	0.60	Magnesium Sulfate	Magnesium Sulfate	Mallinckrodt
	0.30	Liposorb® L-20	Polysorbate 20	Vantage
	0.15	Phenoxyethanol	Phenoxyethanol	Clariant
	0.10	Trisodium EDTA	Trisodium EDTA	Protameen
0.10	Methyl Paraben NF	Methylparaben	International Sourcing	
0.10	ALLANTOIN	Allantoin	ISP	
3	3.50	SP-10	Nylon-12	Toray/Kobo Products
	3.50	BPD-500W	HDI/Trimethylol Hexyllactone Crosspolymer (And) Silica	Kobo Products

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Manufacturing Procedure

1. Combine Part 1 and Homogenize.
2. Combine Part 2 and Homogenize.
3. Slowly add Part 2 to Part 1 until fully dispersed – continue homogenizing.
4. Slowly add Part 3 to batch – homogenizing.

Description

This Dry Touch Sunscreen features Kobo TNP50T7-ATB, an optimized mixture of a TiO₂ sunscreen dispersion with Kobo's SunBoost ATB™, a proprietary blend of antioxidants, anti-irritant and anti-inflammatory agents. CPF-3300@20cSt is a phenyl trimethicone that provides shine, increases spreadability, and helps improve the feel of the formula. CXG-1101 imparts a creamy, gel texture to the product. Kobo's Zinc Oxide Dispersion, TNP65MZS helps achieve SPF. CARESS® BN09, Boron Nitride gives superior softness and tactility, superb spreadability, excellent adherence, long lasting effect and good coverage. Florite R (Calcium Silicate 20 -30 µm), is a high oil-absorbing powder. Cellulobeads D-5 improve the feel of the formula due to their spherical shape. Kobo's Composite ACZ-50 contains entrapped ZnO inside a micron size acrylates copolymer matrix. It provides UVA protection with even coverage. Kobo's Composite ACT-50 is a powder containing dispersed attenuation grade TiO₂ entrapped within a micron

Notes

Active Ingredient(s)	
Titanium Dioxide	4.60%
Zinc Oxide	2.21%

SPF testing: in vivo on 3 subjects

Kobo Products, Inc.

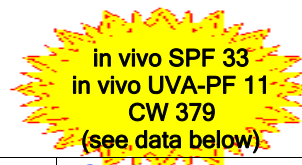
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February, 2015



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	Butyloctyl Salicylate (And) Titanium Dioxide (And) Isostearic Acid (And) Aluminum Hydroxide (And) C12-15 Alkyl Benzoate	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

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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 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

Kobo Products, Inc.

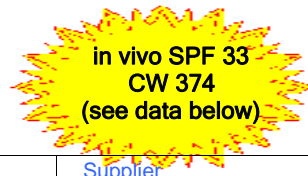
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Sunscreen Gel with ZnO and SunBoost ATB™

Formula KSL-312



Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
1	25.50	TNP50ZSI	C12-15 Alkyl Benzoate (And) Zinc Oxide (And) Polyhydroxystearic Acid (And) Triethoxycaprylylsilane	Kobo Products
	17.10	TNP65FZS	Zinc Oxide (And) C12-15 Alkyl Benzoate (And) Triethoxycaprylylsilane (And) Polyhydroxystearic Acid	Kobo Products
	5.00	SunBoost ATB™	Argania Spinosa Kernel Oil (And) Tocopheryl Acetate (And) Bisabolol	Kobo Products
	3.00	SS4267	Dimethicone (And) Trimethylsiloxysilicate	Momentive
2	33.20	Deionized Water	Water	
	5.00	Nikkomulse LH	Glycerin (And) Hydrogenated Lecithin (And) Hydroxypropyl Methylcellulose Searoxy Ether (And) Squalane (And) Sodium Methyl Stearoyl Taurate	Nikko Chemicals
	0.10	Disodium EDTA	Disodium EDTA	Dow Chemical
3	1.00	Glycerin U.S.P. Natural 96%	Glycerin	Ruger Chemical
	0.10	Keltrol® CG	Xanthan Gum	CP Kelco
4	2.00	SACRAN-05BG	Aphanothece Sacrum Polysaccharide (And) Butylene Glycol (And) Water	Daito/Kobo Products
5	1.00	Germaben® II	Propylene Glycol (And) Diazolidinyl Urea (And) Methylparaben (And) Propylparaben	ISP
6	5.00	Ethyl Alcohol E1028	Ethyl Alcohol	VWR Scientific Products
7	2.00	MSS-500W	Silica	Kobo Products
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Manufacturing Procedure

- Heat Part 1 to 80°C.
- Make a slurry of Part 3 and add to Part 2 while mixing. Heat Part 2 and 3 to 80°C.
- Add Part 1 to Parts 2 and 3 while homogenizing.
- Add Parts 4 and 5 after cooling. Continue to homogenize.
- Add Parts 5, 6, and 7 while homogenizing.

Description

This gel sunscreen uses a combination of Kobo's Zinc Oxide dispersions, TNP65FZS and TNP50ZSI, to provide maximum protection against ultraviolet light. It also includes SunBoost ATB™, which is a proprietary blend of antioxidant, anti-irritant and anti-inflammatory agents that can boost SPF and UVA protection. SACRAN-05BG is a water soluble polysaccharide that has water-retaining properties as well as regenerating and moisturizing properties. MSS-500W is a silica microsphere responsible for enhanced feel.

Notes

Active Ingredient(s)
Zinc Oxide 22.70%

SPF testing: in vivo on 3 subjects

Kobo Products, Inc.

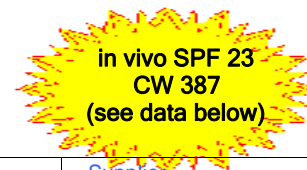
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Cushioned Liquid Foundation

Formula KLF-105A



Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
1	45.88	CSF-3100@20cSt	Dimethicone	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	FAS65UTB	Titanium Dioxide (And) Cyclopentasiloxane (And) PEG/PPG-18/18 Dimethicone (And) Isopropyl Titanium Triisostearate (And) Triethoxysilylethyl Polydimethylsiloxyethyl Dimethicone (And) Disteardimonium Hectorite (And) Tocopheryl Acetate	Kobo Products
	3.50	CPF-3300@20cSt	Phenyl Trimethicone	NuSil/Kobo Products
	1.80	FAS50YTB	Iron Oxides (C.I. 77492) (And) Cyclopentasiloxane (And) PEG/PPG-18/18 Dimethicone (And) Isopropyl Titanium Triisostearate (And) Triethoxysilylethyl Polydimethylsiloxyethyl Dimethicone (And) Disteardimonium Hectorite (And) Tocopheryl Acetate	Kobo Products
	0.30	FAS65RTB	Iron Oxides (C.I. 77491) (And) Cyclopentasiloxane (And) PEG/PPG-18/18 Dimethicone (And) Isopropyl Titanium Triisostearate (And) Triethoxysilylethyl Polydimethylsiloxyethyl Dimethicone (And) Disteardimonium Hectorite (And) Tocopheryl Acetate	Kobo Products
	0.17	FAS70BTB	Iron Oxides (C.I. 77499) (And) Cyclopentasiloxane (And) PEG/PPG-18/18 Dimethicone (And) Isopropyl Titanium Triisostearate (And) Triethoxysilylethyl Polydimethylsiloxyethyl Dimethicone (And) Disteardimonium Hectorite (And) Tocopheryl Acetate	Kobo Products
0.10	Propyl Paraben NF	Propylparaben	International Sourcing	
2	12.00	Deionized Water	Water	
	2.00	Butylene Glycol	Butylene Glycol	Ruger Chemical
	0.65	Sodium Chloride	Sodium Chloride	Morton Salt
	0.40	Liposorb® L-20	Polysorbate 20	Vantage
	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

- In main beaker add Part 1 and homogenize all ingredients until fully dispersed and color has developed.
- In side beaker, add Part 2 and mix ingredients until homogenous.
- Add Part 2 to Part 1 under Silverson.
- Add Part 3 to combined Parts 1 and 2.

Description

This liquid foundation features Kobo's Titanium Dioxide Dispersion TNP50T7-ATB, an optimized mixture of a TiO2 sunscreen dispersion with Kobo's SunBoost ATB™, that is a proprietary blend of antioxidants, anti-irritant and anti-inflammatory agents. Kobo's FAS/TTB Pigmentary Dispersions aid in providing good color development. The FAS dispersions showcase the versatility of TTB treated pigments in the dispersions which perform well here in a silicone phase. MSS-500W gives excellent application and soft focus. Silicones, CPF-3300@20cSt and CSF-3100@20cSt, both increase the spreadability and provide improved feel.

Notes

Active Ingredient(s)
Titanium Dioxide 6.84%

SPF testing: in vivo on 3 subjects

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Liquid-to-Powder Foundation

Formula KLF-147C-BR

Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier	
1	12.50	KFS40M170	Caprylyl Methicone (And) Titanium Dioxide (And) Cyclopentasiloxane (And) C12-15 Alkyl Benzoate (And) Alumina (And) Polyhydroxystearic Acid (And) Hydrogen Dimethicone (And) PEG-9 Polydimethylsiloxyethyl Dimethicone	Kobo Products	
	11.50	DIM2X65HP1	Zinc Oxide (And) Dimethicone (And) PEG/PPG-18/18 Dimethicone (And) Triethoxycaprylylsilane (And) Tocopheryl Acetate	Kobo Products	
	9.50	FAS70USI-E	Titanium Dioxide (And) Cyclopentasiloxane (And) PEG/PPG-18/18 Dimethicone (And) Triethoxycaprylylsilane (And) Tocopheryl Acetate	Kobo Products	
	9.00	CSS-7300	Cyclopentasiloxane (And) PEG/PPG-18/18 Dimethicone	Nusil/Kobo Products	
	9.00	Permethyl® 99A	Isododecane	Cosmotec	
	4.25	FAS50EYSI-E	Iron Oxides (C.I. 77492) (And) Cyclopentasiloxane (And) PEG/PPG-18/18 Dimethicone (And) Triethoxycaprylylsilane (And) Tocopheryl Acetate	Kobo Products	
	4.00	CSF-3100@20cSt	Dimethicone	Nusil/Kobo Products	
	4.00	CXG-1104	Dimethicone (And) Dimethicone/Vinyl Dimethicone Crosspolymer	Nusil/Kobo Products	
	3.50	Belsil® TMS 803	Trimethylsiloxyisilicate	Wacker	
	2.00	CPF-3300@20cSt	Phenyl Trimethicone	Nusil/Kobo Products	
	2.00	Bentone Gel® VS5-PCV	Cyclopentasiloxane (And) Distearidimonium Hectorite (And) Propylene Carbonate	Elementis/Cosmotec	
	0.87	FAS55ERSI-E	Iron Oxides (C.I. 77491) (And) Cyclopentasiloxane (And) PEG/PPG-18/18 Dimethicone (And) Triethoxycaprylylsilane (And) Tocopheryl Acetate	Kobo Products	
	0.75	Optiphen	Caprylyl Glycol (And) Phenoxyethanol	Ashland	
	0.38	FAS60EBSI-E	Iron Oxides (C.I. 77499) (And) Cyclopentasiloxane (And) PEG/PPG-18/18 Dimethicone (And) Triethoxycaprylylsilane (And) Tocopheryl Acetate	Kobo Products	
	0.05	BHT	BHT	M Cassab	
	2	8.40	CSV-3000	Cyclopentasiloxane	Nusil/Kobo Products
		3.00	MSS-500/3H	Silica	Kobo Products
3	13.00	MST-547	Polymethylsilsesquioxane	Kobo Products	
	2.00	Alcohol Denat.	Alcohol Denat.	CAAL	
	0.30	Fragrance - Moments	Fragrance	Scentec	

100

Manufacturing Procedure

1. Combine Part 1 and mix until pigments are fully dispersed.
2. Add Parts 2 and 3 and mix.

Description

This Liquid-to-Powder foundation features FAS dispersions that ease the manufacturing process and offer deeper color. It also has a combination of titanium dioxide and zinc oxide dispersions in silicones: KFS40M170 and DIM2X65HP1 that give balanced UVB and UVA protection. Nusil's silicones CSF-3100@20cSt and CPF-3300@20cSt provide nice spreadability with light texture, while elastomer gel, CXG-1104, offers a matte and silky finish. CSS-7300 is used as an emulsifier, granting stability to the formulation. MSS-500/3H gives a matte effect due to its oil absorption properties. MST-547 gives a powdery finish.

Notes

Active Ingredient(s)	
Titanium Dioxide	4.00%
Zinc Oxide	7.40%

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www.koboproducts.com

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)	
Titanium Dioxide	6.93%

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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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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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Color Correcting Stick-Green

Formula KMU-018B

Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
1	27.00	Dermol 1818	Isotretinoin	Alzo International Inc.
	15.80	Protachem CTG	Caprylic/Capric Triglyceride	Protameen
	5.00	SW5M5	Synthetic Wax (And) Silica	Kobo Products
	5.00	CIO	Cetyl Ethylhexanoate	Barnet
	3.00	Candelilla Wax MK-2	Candelilla (Euphorbia Cerifera) Wax	Strahl & Pitsch
	3.00	Beeswax White Sp 422P	Beeswax	Strahl & Pitsch
	2.00	CSF-3100@1000cSt	Dimethicone	NuSil/Kobo Products
	1.00	SF1642	C30-45 Alkyl Dimethicone	Momentive
	0.50	BV-OSC	Tetrahexyldecyl Ascorbate	Barnet
2	19.00	KoboMica Y-08	Mica	Kobo Products
	10.00	Diasphere® KS-1000	Polymethylsilsesquioxane	Kolon/Kobo Products
	7.00	BTD-ASG2	Titanium Dioxide (And) Stearoyl Glutamic Acid	Kobo Products
	1.20	BGCO-ASG4	Chromium Oxide Greens (And) Stearoyl Glutamic Acid	Kobo Products
	0.50	Microcare® PPD	Talc (And) Phenoxyethanol (And) Decylene Glycol (And) Hydrated Silica	Thor Personal Care

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Manufacturing Procedure

- Place Part 1 in a beaker and heat to 80°C.
- Add Part 2 and micropulverize on low until color is fully developed and fully homogenous.
- Add Part 2 to Part 1 and mix until fully uniform.
- Pour into stick component at 65-70°C.

Description

Color correcting concealer stick in Light Green is to help correct redness on the skin. It features NuSil's Dimethicone CSF-3100@1000cSt and Kobo's fumed silica gellant SW5M5 to give the formula the ability to glide upon application under the eye. It also features Kobo's ASG treated pigments, BGCO-ASG4 and BTD-ASG2 to help offer good adhesion of color onto the skin. KoboMica Y-08 helps give the concealer a nice dry afterfeel. Microsphere Diasphere® KS-1000 will also give the formula a dry afterfeel as well as slip and a soft focus effect, perfect for under the eyes.

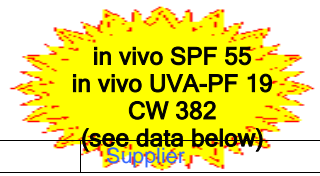
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May, 2016

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Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
1	5.50	Abil® WE 09	Polyglyceryl-4 Isostearate (And) Cetyl PEG/PPG-10/1 Dimethicone (And) Hexyl Laurate	Evonik
	3.65	CSS-7300	Cyclopentasiloxane (And) PEG/PPG-18/18 Dimethicone	NuSil/Kobo Products
	1.75	Lexol® PG 865	Propylene Glycol Dicaprylate/Dicaprate	Inolex Chemical Company
	1.75	SALACOS® 99	Isononyl Isononanoate	Ikeda
	1.25	Thixin® R	Trihydroxystearin	Elementis Specialties
	0.75	CPF-3300@10cSt	Phenyl Trimethicone	NuSil/Kobo Products
2	14.00	TNP50T7-ATB	C12-15 Alkyl Benzoate (And) Titanium Dioxide (And) Argania Spinosa Kernel Oil (And) Alumina (And) Methicone (And) Tocopheryl Acetate (And) Polyhydroxystearic Acid (And) Bisabolol	Kobo Products
	6.78	CSF-3100@20cSt	Dimethicone	NuSil/Kobo Products
	6.78	BTD-11SP	Titanium Dioxide (And) Triethoxycaprylylsilane (And) Polyhydroxystearic Acid	Kobo Products
	4.00	TNSS75MZCM	Zinc Oxide (And) Ethylhexyl Methoxycrylene (And) C12-15 Alkyl Benzoate (And) Polyhydroxystearic Acid (And) Hydrogen Dimethicone	Kobo Products
	0.91	BWYO-11SP (C33-9001)	Iron Oxides (C.I. 77492) (And) Triethoxycaprylylsilane (And) Polyhydroxystearic Acid	Kobo Products
	0.40	CSS-7302	PEG-10 Dimethicone	NuSil/Kobo Products
	0.19	BWRO-11SP (C33-8001)	Iron Oxides (C.I. 77491) (And) Triethoxycaprylylsilane (And) Polyhydroxystearic Acid	Kobo Products
	0.12	BWBO-11SP (C33-7001)	Iron Oxides (C.I. 77499) (And) Triethoxycaprylylsilane (And) Polyhydroxystearic Acid	Kobo Products
3	28.42	Deionized Water	Water	
	10.00	CES-1104	Dimethicone (And) Water (Aqua) (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	Glycerin U.S.P. Natural 96%	Glycerin	Ruger Chemical
	1.00	Euxyl® PE 9010	Phenoxyethanol (And) Ethylhexylglycerin	Schulke & Mayr
	1.00	Sodium Chloride	Sodium Chloride	Morton Salt
	1.00	Butylene Glycol	Butylene Glycol	Tri-K Industries
	0.40	Tween™ 20	Polysorbate 20	Croda
	0.10	Allantoin	Allantoin	RITA Corp.
4	5.00	MSS-500W	Silica	Kobo Products
5	0.25	Gs-GT	Water (And) Camellia Sinensis Extract (And) Palmitoyl Hydroxypropyltrimonium Amylopectin/Glycerin Crosspolymer (And) Phenoxyethanol (And) Parabens (And) Hydrogenated Lecithin	Kobo Products
6	3.00	KTZ® INTERFINE GREEN	Mica (And) Titanium Dioxide	Kobo Products

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Manufacturing Procedure	Description
<p>1. Combine Thixin® R with Lexol® PG-865 and SALACOS® 99. Heat to 55-60°C. Homogenize for 20 minutes at 2500 rpm while maintaining the temperature at 55-60°C to allow full activation. Cool to below 35°C with low to medium stirring. Add the remaining ingredients in Part 1 and homogenize.</p> <p>2. Homogenize Parts 1 and 2 together at 3500-4000 rpm.</p> <p>3. Pre-mix Part 3.</p> <p>2. Add Part 3 to Parts 1 and 2 while homogenizing at 3500-4000 rpm.</p> <p>3. Add Part 4, followed by Parts 5 and 6 while homogenizing.</p>	<p>This lightweight, daily defense foundation offers broad spectrum protection while priming and giving the skin a healthy appearance.</p> <p>Kobo's Hybrid surface treatment, 11SP, provides buildable coverage and gives good spreadability upon application. Kobo's Non-Nano Zinc Oxide dispersion, TNSS75MZCM, contains Ethylhexyl Methoxycrylene to effectively increase SPF, UVA-PF, and provide broad spectrum protection. Titanium Dioxide dispersion, TNP50T7-ATB, contains a proprietary ratio of anti-oxidant, anti-irritant, and anti-inflammatory agents, and boosts SPF and PFA. 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. CSF-3100@20cSt and CPF-3300@10cSt deliver an emollient, silky feel and give good spreadability. Emulsifiers, CSS-7300 and CSS-7302 are easy to use and offer good compatibility with the system. MSS-500W offers this foundation slip during application, soft focus effect, and mattifying properties. KTZ® INTERFINE GREEN helps to neutralize skin redness for a natural look. Glycosphere, Gs-GT, is a free-radical scavenger for anti-aging properties.</p>
	<p>Notes Active Ingredient(s)</p> <p>Zinc Oxide 2.92%</p> <p>Titanium Dioxide 5.32%</p> <p>SPF testing: in vivo on 3 subjects</p>

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Anhydrous Cream-to-Powder Concealer featuring

Formula KCP-018

ITT-Treated Pigments

Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
1	15.00	ASO-I2	Aluminum Starch Octenylsuccinate (And) Isopropyl Titanium Triisostearate	Kobo Products
	12.99	BTD-401	Titanium Dioxide (And) Isopropyl Titanium Triisostearate	Kobo Products
	6.25	SERICITE GMS-4C	Mica	Kobo Products
	2.00	MSS-500/3	Silica	Kobo Products
	0.33	BRO-I2	Iron Oxides (C.I. 77491) (And) Isopropyl Titanium Triisostearate	Kobo Products
	0.33	BYO-I2	Iron Oxides (C.I. 77492) (And) Isopropyl Titanium Triisostearate	Kobo Products
	0.10	BBO-I2	Iron Oxides (C.I. 77499) (And) Isopropyl Titanium Triisostearate	Kobo Products
2	18.00	Liponate® EHP	Ethylhexyl Palmitate	Vantage
	11.00	ELEMENT14 PDMS 5-A	Dimethicone	Momentive
	6.50	Squalane NF	Squalane	Barnet Products Corp.
	5.50	Lameform® TGI	Polyglycerol-3 Diisostearate	Cognis Corp.
	4.00	Microcrystalline Wax SP-89	Microcrystalline Wax	Strahl & Pitsch, Inc.
	3.00	Mineral Oil Carnation	Mineral Oil	Ruger Chemical Co., Inc.
	2.00	Softisan® 100	Hydrogenated Coco-Glycerides	Sasol
	1.00	Carnauba Wax SP 63P	Copernicia Cerifera (Carnauba) Wax	Strahl & Pitsch, Inc.
3	12.00	SP-500	Nylon-12	Toray/Kobo Products

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Manufacturing Procedure

1. Micronize Part 1 until the color is fully developed.
2. Heat Part 2 with stirring to 90°C.
3. Continue to stir and maintain temperature for 30 minutes.
4. Add Part 1 to Part 2 and mix until homogeneous.
5. Cool to 80°C and add Part 3.
6. Pour into pans at 75°C.

Description

This cream-to-powder concealer covers imperfections and immediately gives a powder base so foundation can be applied over it. Kobo's BTD-401 gives high coverage. A combination of Kobo's SERICITE GMS-4C and ITT-Treated starch and pigments provides the basis for the cream-to-powder texture. A combination of Kobo's Microspheres, MSS-500/3 and SP-500, gives a glide-on application and helps to provide soft focus.

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December, 2010

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Anti-Aging Foundation

Formula KCP-038

Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
1	13.00	GMS-ASG3	Mica (And) Stearoyl Glutamic Acid	Kobo Products
	12.99	BTD-ASG2	Titanium Dioxide (And) Stearoyl Glutamic Acid	Kobo Products
	10.00	MSP-TK04	Polymethylsilsesquioxane (And) Titanium Dioxide	Nikko Rica/Kobo Products
	0.33	BYO-ASG3	Iron Oxides (C.I. 77492) (And) Stearoyl Glutamic Acid	Kobo Products
	0.33	BRO-ASG3	Iron Oxides (C.I. 77491) (And) Stearoyl Glutamic Acid	Kobo Products
	0.10	BBO-ASG3	Iron Oxides (C.I. 77499) (And) Stearoyl Glutamic Acid	Kobo Products
	0.10	Propyl Paraben NF	Propylparaben	International Sourcing
	0.10	Methyl Paraben NF	Methylparaben	International Sourcing
2	32.30	Protachem CTG	Caprylic/Capric Triglyceride	Protameen Chemicals
	12.00	Squalane NF	Squalane	Barnet Products
	5.50	Lameform® TGI	Polyglycerol-3 Diisostearate	BASF
	5.00	Microcrystalline Wax SP-89	Microcrystalline Wax	Strahl & Pitsch
	3.00	Ozokerite Wax White SP 1020P	Ozokerite	Strahl & Pitsch
	3.00	Finsolv® TN	C12-15 Alkyl Benzoate	Finetex
	2.00	Carnauba Wax SP 63P	Copernicia Cerifera (Carnauba) Wax	Strahl & Pitsch
	0.25	Luvitol® Lite	Hydrogenated Polyisobutene	BASF

100

Manufacturing Procedure

1. Blend Part 1 and pass through a micropulverizer until the color is fully extended.
2. Add Part 1 to Part 2 and heat to 80°C.
4. Continue to mix until uniform at 80°C.
5. Pour at 78°C.

Description

This Anti-Aging Foundation applies smoothly as a result of Kobo's ASG treated materials that enhance product payoff. MSP-TK04 gives a creamy cushion with improved payoff.

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November, 2015

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Bouncy Peach Blush

Formula KBL-015

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	SERICITE GMS-4C	Mica	Kobo Products
	4.00	BTD-401	Titanium Dioxide (And) Isopropyl Titanium Triisostearate	Kobo Products
	2.00	BRO-I2	Iron Oxides (C.I. 77491) (And) Isopropyl Titanium Triisostearate	Kobo Products
	0.75	RED 28AL U-I3	Red 28 Lake (And) Isopropyl Titanium Triisostearate	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	31.00	Wickenol 155	Ethylhexyl Palmitate	International Sourcing
	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	KTZ® GOLD LAME	Mica (And) Titanium Dioxide (And) Iron Oxides (C.I. 77491)	Kobo Products
	8.50	KTZ® ARUBAN CORAL	Mica (And) Titanium Dioxide (And) Iron Oxides (C.I. 77491)	Kobo Products
	5.00	DSPCS/20N-I2	Silica (And) Ethylene/Methacrylate Copolymer (And) Isopropyl Titanium Triisostearate	Kobo Products

100

Manufacturing Procedure

- Blend Part 1 and pass through a micropulverizer 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.
- Continue to mix until uniform while maintaining temperature.
- Pour at 78°C-80°C.

Description

A blush with a unique bouncy texture that blends easily and provides buildable color to cheeks. Kobo's SERICITE GMS-4C and ITT-Treated starch and pigments provides the basis for the cream-to-powder texture. DSPCS/20N-I2 contributes greatly to the powdery afterfeel. 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. KTZ® GOLD LAME and KTZ® ARUBAN CORAL provide a light shimmer to this blush.

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February, 2015

KOBO

www.koboproducts.com

Perfection Wear Make-Up with FS Treated Pigments

Formula KPP-068

Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
1	41.75	CARESS® BN06	Boron Nitride	Bent Tree/Kobo Products
	38.00	TALC N-FS	Talc (And) Perfluorooctyl Triethoxysilane	Kobo Products
	3.00	RBTD-M-FS	Titanium Dioxide (And) Perfluorooctyl Triethoxysilane	Kobo Products
	3.00	MSS-500N-FS	Silica (And) Perfluorooctyl Triethoxysilane	Kobo Products
	2.00	ZINC MYRISTATE	Zinc Myristate	Kobo Products
	2.00	BPD-500	HDI/Trimethylol Hexyllactone Crosspolymer (And) Silica	Kobo Products
	0.88	BWYO-FS	Iron Oxides (C.I. 77492) (And) Perfluorooctyl Triethoxysilane	Kobo Products
	0.76	BWRO-FS	Iron Oxides (C.I. 77491) (And) Perfluorooctyl Triethoxysilane	Kobo Products
	0.36	BWBO-FS	Iron Oxides (C.I. 77499) (And) Perfluorooctyl Triethoxysilane	Kobo Products
	0.15	Methyl Paraben NF	Methylparaben	International Sourcing
	0.10	Propyl Paraben NF	Propylparaben	International Sourcing
2	2.67	CSF-3100@50cSt	Dimethicone	NuSil/Kobo Products
	2.67	CSF-3100@350cSt	Dimethicone	NuSil/Kobo Products
	2.66	CSF-3100@20cSt	Dimethicone	NuSil/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. Press at 700 psi.

Description

This creamy, luxurious pressed powder applies smoothly onto the skin. Kobo's CARESS® BN06, Boron Nitride, is used for superior softness and tactility, superb spreadability, excellent adherence, long lasting effect, and good coverage. Kobo's Fluoro Silane Treatment exhibits both water and oil repellency while promoting skin adherence for long wear. MSS-500N-FS, an FS treated silica microsphere, imparts an elegant slip and creaminess upon application. Kobo's Microsphere, BPD-500, gives this powder slip during application and helps achieve a matte finish. ZINC MYRISTATE contributes to great feel, adherence on the skin, and acts as part of the formula's dry binder system. Caresil Pure Fluids, high clarity-purity silicones, CSF-3100@20cS, 50cSt, and 350cSt, deliver an emollient, silky feel with reduced tackiness that brings about high spreadability and compatibility.

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www.koboproducts.com

Pressed Powder Foundation

Formula KPP-092

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, BN09, enhances the formula with increased slip and 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. Caresil 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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May, 2016

KOBO

www.koboproducts.com

Transformative Powder-to-Cream Eye Shadow

Formula KEY-063

with TTB

Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
1	30.00	MICA S-TTB2	Mica (And) Isopropyl Titanium Triisostearate (And) Triethoxysilylethyl Polydimethylsiloxyethyl Dimethicone	Kobo Products
	3.00	MAKIBEADS 250	Methyl Methacrylate Crosspolymer	Daito/ Kobo Products
	3.00	CELLULOBEADS D-50	Cellulose	Daito/ Kobo Products
	2.00	BLUE 1AL S-TTB6	Blue 1 Lake (And) Isopropyl Titanium Triisostearate (And) Triethoxysilylethyl Polydimethylsiloxyethyl Dimethicone	Kobo Products
	1.00	YELLOW 5AL S-TTB2	Yellow 5 Lake (And) Isopropyl Titanium Triisostearate (And) Triethoxysilylethyl Polydimethylsiloxyethyl Dimethicone	Kobo Products
2	15.25	Cetiol® CC	Dicaprylyl Carbonate	Cognis Corp
	5.00	COSMOL™ 43	Polyglyceryl-2 Triisostearate	Ikeda Corporation
	1.75	Lexol® PG-865	Propylene Glycol Dicaprylate/Dicaprate	Inolex Chemical Company
	0.50	Genuine Rice Bran Wax	Oryza Sativa (Rice Bran) Wax	Strahl & Pitsch, Inc.
	0.50	Candelilla Wax SP 75	Euphorbia Cerifera (Candelilla) Wax	Olvea
3	38.00	KTZ® MISTERIOSO GREEN	Titanium Dioxide (And) Mica (And) Iron Oxides (C.I. 77499)	Kobo Products

100

Manufacturing Procedure

1. Blend Part 1 in lab blender until color is fully developed.
2. Heat Part 2 to 80°C.
3. Add Part 2 to Part 1 and blend well in food processor at high speed.
4. Add Part 3 and blend in food processor at low speed.

Description

This is a unique eye shadow that transforms from a powder to a cream upon application. It features Kobo's TTB surface treated pigments and mica which allow for optimal glide while improving wear. TTB treatment is a good formulation choice for an anhydrous eyeshadow, as it exhibits a high degree of dispersibility in the formula and improves skin affinity and wear. CELLULOBEADS D-50 improves the feel of the formula due to its spherical shape. KTZ® MISTERIOSO GREEN provides shimmer and intensifies the color.

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www.koboproducts.com

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 Fluorphlogopite (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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www.koboproducts.com

Plush Mascara

Formula KMA-053

Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
1	7.50	Beeswax White SP 422	Beeswax	Strahl & Pitsch, Inc.
	7.00	Ozokerite Wax White SP 1020	Ozokerite	Strahl & Pitsch, Inc.
	3.00	Carnauba Wax SP 63	Copernicia Cerifera (Carnauba) Wax	Strahl & Pitsch, Inc.
	3.00	Dermofat 4919	Stearic Acid	Alzo International Inc.
	3.00	Microcrystalline Wax SP-89	Microcrystalline Wax	Strahl & Pitsch, Inc.
	2.00	KOBOGUARD® 5400 SQ	Hydrogenated Polycyclopentadiene (And) Squalane	Kobo Products
	1.00	Liposorb® SQO	Sorbitan Sesquioleate	Vantage
2	39.45	Deionized Water	Water	
	11.00	W60BBNFAP-O	Iron Oxides (C.I. 77499) (And) Water (And) Ammonium Polyacrylate	Kobo Products
	1.00	Triethanolamine 99	Triethanolamine	Dow Chemical
	0.30	Natrosol® 250 HHR CS	Hydroxyethylcellulose	Hercules/Aqualon
3	4.00	KNY-3D	Nylon-66 (And) Titanium Dioxide	Kobo Products
	1.00	Deionized Water	Water	
	1.00	DSPCS-I2	Silica (And) Ethylene/Methacrylate Copolymer (And) Isopropyl Titanium Triisostearate	Kobo Products
	0.60	Glydant Plus™	DMDM Hydantoin (And) Iodopropynyl Butylcarbamate	Lonza
	0.15	Germall® 115	Imidazolidinyl Urea	ISP
4	15.00	WSJ22BNF-O	Water (And) Acrylates/Ethylhexyl Acrylate Copolymer (And) Iron Oxides (C.I. 77499) (And) Sodium Acrylate/Sodium Acryloyldimethyl Taurate Copolymer (And) Aminomethyl Propanol	Kobo Products

100

Manufacturing Procedure

- Heat Part 1 to 80°C in auxiliary tank.
- In Part 2 while heating, add Natrosol® 250 HHR CS to deionized water under propeller mixing. Mix until Natrosol® 250 HHR CS is fully hydrated. Add the rest of Part 2. Heat to 80°C.
- Add Part 1 to Part 2 in main tank with propeller and sweep agitation at 80°C.
- Cool to 50°C.
- Add Part 3 ingredients at 50°C.
- Add Part 4 at 45°C.
- Cool to 25°C - 27°C.

Description

This mascara features Kobo's Nylon Fiber, KNY-3D, which gives a lengthening effect, while Kobo's Microsphere Complex, DSPCS-I2, is lightweight and provides volume to the lash without weight. Kobo's Resin Composite, KOBOGUARD® 5400 SQ, gives a quick build up with a water-resistant film and aids in long wear. Kobo's Pigmentary Dispersions, W60BBNFAP-O and WSJ22BNF-O, are used in combination to provide a deep black shade. The WSJ dispersion has film-forming properties. Both dispersions help to ease the manufacturing process.

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May, 2015

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www.koboproducts.com

Gel Mascara

Formula KMA-055

Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
1	8.00	Beeswax White Sp 422P	Beeswax	Strahl & Pitsch, Inc.
	7.00	Ozokerite Wax White SP 1020	Ozokerite	Strahl & Pitsch, Inc.
	3.00	Microcrystalline Wax SP-89	Microcrystalline Wax	Strahl & Pitsch, Inc.
	3.00	Dermofat 4919	Stearic Acid	Alzo International Inc.
	3.00	Carnauba Wax SP 63	Copernicia Cerifera (Carnauba) Wax	Strahl & Pitsch, Inc.
	2.00	KOBOGUARD® 5400 SQ	Hydrogenated Polycyclopentadiene (And) Squalane	Kobo Products
	1.00	Liposorb® SQO	Sorbitan Sesquioleate	Vantage
2	43.95	Deionized Water	Water	
	1.00	Triethanolamine 99	Triethanolamine	Dow Chemical
	0.30	Natrosol® 250 HHR CS	Hydroxyethylcellulose	Hercules/Aqualon
3	1.00	Deionized Water	Water	
	0.60	Glydant Plus™	DMDM Hydantoin (And) Iodopropynyl Butylcarbamate	Lonza
	0.15	Germall® 115	Imidazolidinyl Urea	ISP
4	15.00	WSJ22BNF-O	Water (And) Acrylates/Ethylhexyl Acrylate Copolymer (And) Iron Oxides (C.I. 77499) (And) Sodium Acrylate/Sodium Acryloyldimethyl Taurate Copolymer (And) Aminomethyl Propanol	Kobo Products
	11.00	WSJ10CB-NP	Black 2 (And) PEG-40 Hydrogenated Castor Oil (And) Water (And) Acrylates/Ethylhexyl Acrylate Copolymer (And) Aminomethyl Propanol (And) Sodium Dehydroacetate	Kobo Products

100

Manufacturing Procedure

- Heat Part 1 to 80°C in auxiliary tank.
- In Part 2 while heating, add Natrosol® 250 HHR CS to deionized water under propeller mixing. Mix until Natrosol® 250 HHR CS is fully hydrated. Add the rest of Part 2 and heat to 80°C.
- Add Part 1 to Part 2 in main tank with propeller and sweep agitation at 80°C.
- Cool to 50°C.
- Add Part 3 ingredients at 50°C.
- Add Part 4 at 45°C.
- Cool to 25°C - 27°C.

Description

This is a gel mascara that can be used as the base and top coat for a 3D Fiber Mascara, in which a gel mascara is applied as the 1st step and fibers are applied separately as the 2nd step for a dramatic, false eyelash look. This gel mascara is then re-applied to seal the fibers onto the lashes. This formula features Kobo's Resin Composite, KOBOGUARD® 5400 SQ, which gives a quick build up with a water-resistant film and aids in long wear. Kobo's Carbon Black Dispersion, WSJ10CB-NP, adds an intense, deep, black color and Pigmentary Dispersion, WSJ22BNF-O, contributes to the deep black shade. Both dispersions have film-forming properties.

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August, 2015

KOBO

www.koboproducts.com

Magenta Lipstick

Formula KLP-119

Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier	
1	16.95	COSMOL™ 222	Diisostearyl Malate	Ikeda Corporation	
	12.50	CASTOR OIL	Ricinus Communis (Castor) Seed Oil	Arista Industries, Inc.	
	12.00	Softisan® 649	Bis-Diglyceryl Polyacyladipate-2	Sasol	
	11.80	INBP45R21A	Red 21 Lake (And) Isononyl Isononanoate (And) Isopropyl Myristate (And) Stearalkonium Hectorite (And) Isopropyl Titanium Triisostearate (And) Propylene Carbonate (And) Polyhydroxystearic Acid	Kobo Products	
	5.46	PANALANE® H-300E	Hydrogenated Polyisobutene	Vantage	
	4.00	SALACOS® 5418V	Pentaerythrityl Tetraisostearate	Ikeda Corporation	
	4.00	WICKENOL 155	Ethylhexyl Palmitate	Alzo International Inc.	
	3.75	Moonshine® Colour Travel B-GR-G Sparkle	Calcium Sodium Borosilicate (And) Silica (And) Titanium Dioxide	Glass Flake/Kobo Products	
	3.00	SP-10	Nylon-12	Toray/Kobo Products	
	2.75	INBP35R34C	Isononyl Isononanoate (And) Red 34 Lake (And) Isopropyl Myristate (And) Stearalkonium Hectorite (And) Isopropyl Titanium Triisostearate (And) Propylene Carbonate (And) Polyhydroxystearic Acid	Kobo Products	
	2.55	SALACOS® 99	Isononyl Isononanoate	Ikeda Corporation	
	1.00	NOMCORT® HK-G	Glyceryl Behenate/Eicosadioate	Ikeda Corporation	
	0.34	INBP40B1A	Blue 1 Lake (And) Isononyl Isononanoate (And) Isopropyl Myristate (And) Stearalkonium Hectorite (And) Isopropyl Titanium Triisostearate (And) Propylene Carbonate (And) Polyhydroxystearic Acid	Kobo Products	
	0.05	Propyl Paraben NF	Propylparaben	International Sourcing	
	0.05	BHT FOOD GRADE CRYSTAL	BHT	Universal Preserv-A-Chem, Inc.	
	2	7.00	CANDELILLA WAX	Euphorbia Cerifera (Candelilla) Wax	Strahl & Pitsch
		4.50	SF1642	C30-45 Alkyl Dimethicone	Momentive
3.00		Lipowax® D	Cetearyl Alcohol (And) Ceteareth-20	Vantage	
2.50		Ozokerite Wax White SP 1020P	Ozokerite	Strahl & Pitsch	
2.00		Microcrystalline Wax SP-89	Microcrystalline Wax	Strahl & Pitsch	
0.50		PM WAX 82	Polyethylene (And) Microcrystalline Wax	Toray/Kobo Products	
0.30		Vanilla #109-00549	Fragrance	Bell Flavors & Fragrances	

100

Manufacturing Procedure

1. Combine all Part 1 - Prop mix and heat to 80°C.
2. Add Part 2 to batch - continue mixing at 80°C.
3. Pour into molds.

Description

This luxurious creamy lipstick contains SP-10, Nylon-12, to give the formula a cushioned glide upon application and during wear. Moonshine® Colour Travel B-GR-G Sparkle are based on thin borosilicate glass flakes (average thickness 1.2 microns) coated with layers of high refractive index metal oxides and silica, resulting in unique pigments that display strong colour effects combined with high transparency and extraordinary gloss. INBP dispersions ease the manufacturing process and provide vivid color to create this Magenta shade with a creamy uniform texture. PM WAX 82 gives the bullet structure.

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www.koboproducts.com

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.

100

<u>Manufacturing Procedure</u>	<u>Description</u>
1. Combine all of Part 1 ingredients and prop mix at 80°C until homogenous. @65°C	This Lipstick contains Kobo's natural, 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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KOBO

www.koboproducts.com

Water-Based Primer with Aqupec MG N40R

Formula KFL-053

Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
1	81.20	Deionized Water	Water	
2	5.00	Glycerin U.S.P. Natural 96%	Glycerin	Ruger Chemical
	3.00	Butylene Glycol	Butylene Glycol	ISP
	0.50	AQUPEC MG N40R	Sodium Carbomer	Sumitomo Seika/Kobo Products
	0.30	Germaben® II	Propylene Glycol (And) Diazolidinyl Urea (And) Methylparaben (And) Propylparaben	ISP
3	6.50	EA-209	Ethylene/Acrylic Acid Copolymer	Kobo Products
4	3.50	KTZ® Interfine Green	Mica (And) Titanium Dioxide	Kobo Products

100

Manufacturing Procedure

1. Premix Part 2 into a slurry and add into main beaker, Part 1, using a propeller blade.
2. Add Part 3 to main beaker while mixing.
3. Add Part 4 to main beaker while mixing.
4. Homogenize formula until completely uniform.

Description

This water based primer features AQUPEC MG N40R, a sodium carbomer thickener that does not require neutralization. EA-209 is responsible for soft focus effect and enhanced feel. KTZ® INTERFINE GREEN gives skin a subtle pearlized effect to improve complexion and illuminate the skin, while also helping to reduce the appearance of redness on the face.

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December, 2014

KOBO

www.koboproducts.com

Mattifying Stick

Formula KFL-054A-BR

Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
1	10.00	COSMOL™ 222	Diisostearyl Malate	Ikeda/Kobo Products
	8.00	Ozoquerita	Ozokerite Wax	Cosmotec
	6.00	PM WAX 82	Polyethylene (And) Microcrystalline Wax	Kobo Products
	2.00	Beeswax	Beeswax	Cosmotec
	1.00	COSMOL™ 168ARV	Dipentaerythryl Hexahydroxystearate/Hexastearate/Hexarosinate	Ikeda/Kobo Products
2	20.00	MST-547	Polymethylsilsesquioxane	Kobo Products
3	41.00	CSV-3000	Cyclopentasiloxane	NuSil/Kobo Products
	5.00	MSS-500/3H	Silica	Kobo Products
	5.00	CXG-1104	Dimethicone (And) Dimethicone/Vinyl Dimethicone Crosspolymer	NuSil/Kobo Products
	2.00	Bentone Gel® VS5-PCV	Cyclopentasiloxane (And) Distearidimonium Hectorite (And) Propylene Carbonate	Cosmotec

100

Manufacturing Procedure

1. Combine Part 1 and heat to 80°C.
2. Add Part 2.
3. Combine Part 3 and add to Parts 1 and 2 while cooling.
4. Pour into components.

Description

This stick provides a matte effect by using MST-547, a non-absorbent silicone sphere that gives a soft focus effect and MSS-500/3H, a porous silica microsphere, that offers dry touch and matte effect. This product also contains COSMOL™ 222, a pigment dispersant that offers great stability against oxidation and COSMOL™ 168ARV which has superior oxidative stability, miscibility, water retention, and emollience. PM WAX 82 is a combination of waxes used to structure the formulation. CXG-1104 is a silicone elastomer that provides a silky powdery feel.

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www.koboproducts.com

Pink Tinted Refreshing Face Gel with AQUPEC

Formula KFL-058A

MG N40R

Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
1	74.04	Deionized Water	Water	
	0.50	AQUPEC MG N40R	Sodium Carbomer	Sumitomo Seika/Kobo Products
2	2.00	Glycerin U.S.P. Natural 96%	Glycerin	Ruger Chemical
	2.00	Butylene Glycol	Butylene Glycol	Ruger Chemical
	0.30	Eumulgin® SG	Sodium Stearoyl Glutamate	BASF
3	5.00	Mineral Oil Carnation	Mineral Oil	Barnet Products
	5.00	Jeechem CTG	Caprylic/Capric Triglyceride	Jeen International
	5.00	CSF-3100@350cSt	Dimethicone	NuSil/Kobo Products
	3.00	Montanov 68	Cetearyl Alcohol (And) Cetearyl Glucoside	Seppic
	2.00	Shea Butter	Shea Butter	Cognis Corp
	0.90	Euxyl® PE 9010	Phenoxyethanol (And) Ethylhexylglycerin	Schulke & Mayr
	0.20	Lipocol® C	Cetyl Alcohol	Vantage
5	0.05	GLW75PFSP	Titanium Dioxide (And) Water (And) Glycerin (And) Sodium Polyacrylate (And) Cellulose Gum	Kobo Products
	0.01	GLW55GRSP	Iron Oxides (C.I. 77491) (And) Water (And) Glycerin (And) Sodium Polyacrylate (And) Cellulose Gum	Kobo Products

100

Manufacturing Procedure

1. Sprinkle AQUPEC MG N40R into water using a dispersator at 1000rpm. Disperse until the AQUPEC is homogenous for at least 10 minutes. Homogenize this phase to ensure the batch is completely smooth.
2. Add Part 2 to water phase using a 3 blade propeller. Heat to 80°C.
3. Prepare Part 3 in a separate beaker. Heat to 80°C.
4. When Part 3 is homogenous, add it to the water phase.
5. Continue mixing while cooling and add Part 5 <60°C.

Description

This refreshing gel contains AQUPEC MG N40R, a sodium carbomer thickener that does not require neutralization. AQUPEC MG N40R also provides a unique texture and great feel. Caresil Pure Fluid, high clarity-purity silicone, CSF-3100@350cSt, delivers an emollient, silky feel with reduced tackiness that brings about high spreadability and compatibility. GLW dispersions allow easy addition of the pigments for this type of system.

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www.koboproducts.com

Anti-Aging Refreshing Spray

Formula KFL-080

Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
1	69.60	Deionized Water	Water	
	5.00	Butylene Glycol	Butylene Glycol	Ruger Chemical
	1.00	MOISPRAY C	Microcrystalline Cellulose (And) Cellulose Gum	Daito/Kobo Products
	1.00	Germaben® II	Propylene Glycol (And) Diazolidinyl Urea (And) Methylparaben (And) Propylparaben	ISP
	0.30	Keltrol® CG	Xanthan Gum	CP Kelco
	0.10	Allantoin	Allantoin	DSM Nutritional Products
2	5.00	SunBoost ATB™	Argania Spinosa Kernel Oil (And) Tocopheryl Acetate (And) Bisabolol	Kobo Products
	5.00	JOS10M5	Simmondsia Chinensis (Jojoba) Seed Oil (And) Silica	Kobo Products
	5.00	CXG-1103	Cyclopentasiloxane (And) Cyclohexasiloxane (And) Dimethicone/Vinyl Dimethicone Crosspolymer	NuSil/Kobo Products
	3.00	CSF-3100@350cSt	Dimethicone	NuSil/Kobo Products
3	5.00	Gs-PPY	Water (And) Papain (And) Palmitoyl Hydroxypropyltrimonium Amylopectin/Glycerin Crosspolymer (And) Phenoxyethanol (And) Hydrogenated Lecithin (And) Parabens	Kobo Products

100

Manufacturing Procedure

1. Disperse Moispay C and Xanthan Gum in Butylene Glycol. Add to water and homogenize at 5000rpm for 10 minutes. Add the rest of Part 1 while homogenizing.
2. Add Part 2 while homogenizing.
3. Add Part 3 while mixing.

Description

This Anti-Aging Refreshing spray helps to rejuvenate skin and set make-up. The basis of this unique formula is Moispay C which exhibits thixotropic and emulsifying properties allowing for a sprayable gel. JOS10M5 provides additional structure to this gel spray. CXG-1103 imparts a creamy, gel texture and helps provide a light cushion to the skin. SunBoost ATB™ contains a proprietary ratio of anti-oxidants, anti-irritant, and anti-inflammatory agents for anti-aging. CSF-3100@350cSt delivers an emollient, silky feel with reduced tackiness that brings about high spreadability and compatibility. Gs-PPY contains papain and aids in skin cell turnover.

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August, 2015

KOBO

www.koboproducts.com

Hydrating Eye Cream

Formula KFL-092A

Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
1	56.35	Deionized Water	Water	
	4.75	SEQ-MH5	Polymethylsilsesquioxane (And) Silica	N&M/Kobo Products
2	2.00	Glycerin U.S.P. Natural 96%	Glycerin	Van Waters and Rogers
	0.50	KELTROL® CG	Xanthan Gum	CP Kelco
3	5.30	LexFeel® 7	Neopentyl Glycol Diheptanoate	Ashland
	3.00	SALACOS® 99	Isononyl Isononanoate	Ikeda Corporation
	3.00	Protachem CTG	Caprylic/Capric Triglyceride	Protameen Chemicals
	3.00	MSS-500/3H	Silica	Kobo Products
	2.00	Polyaldo™ 10-1-0 K FG	Polyglyceryl-10 Oleate	Lonza
	2.00	Dermofat 4919	Stearic Acid	Alzo International
4	5.40	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	SP-500
	5	2.00	Glycerin U.S.P. Natural 96%	Glycerin
0.30		AQUA KEEP 10SH-NFC	Sodium Acrylates Crosspolymer-2	Sumitomo Seika/Kobo Products
6	0.90	Phenoxtol®	Phenoxyethanol	Ashland
7	5.00	KTZ® FINE WHITE-I2	Mica (And) Titanium Dioxide (And) Isopropyl Titanium Triisostearate	Kobo Products
100				

Manufacturing Procedure

1. Combine Part 3 and heat to 80°C.
2. Prop mix Part 1 and add Part 2. Slurry. Heat to 80°C.
3. Add Part 3 to Parts 1 and 2 mixing for 15 min.
4. Begin cooling batch to 50°C.
5. Slowly add Part 4 to batch.
6. Cool to 45°C and add Part 5.
7. Cool to 35°C and add Parts 6 and 7.
8. Cool to 25°C.

Description

This Eye Cream features AQUA KEEP 10SH-NFC which gels the external water phase of the emulsion. Hydrophilic Silicone Resin, SEQ-MH5, offers a smooth application with good payoff and soft focus effect. SP-500, a polymer microsphere, offers a ball-bearing effect which will impart an elegant silky texture, increased payoff, and enhanced slip. 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. KTZ® FINE WHITE-I2 gives the formula a unique pearlescent effect. Kobo's Microsphere, MSS-500/3H, is used to achieve better application.

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www.koboproducts.com

Waterless Moisturizer

Formula KFL-113

Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
1	1.75	LEXOL® PG-865	Propylene Glycol Dicaprylate/Dicaprate	Inolex
	1.75	SALACOS® 99	Isononyl Isononanoate	Ikeda
	1.25	Thixcin® R	Trihydroxystearin	Elementis Specialties
2	14.34	Permethyl® 99A	Isododecane	Presperse
	2.76	SUMECTON SAN-P	Quaternium-18 Hectorite	Kobo Products
	1.10	PROPYLENE CARBONATE	Propylene Carbonate	Spectrum Chemical
3	24.82	CPF-3300@20cSt	Phenyl Trimethicone	NuSil/Kobo Products
	22.75	CXG-1104	Dimethicone (And) Dimethicone/Vinyl Dimethicone Crosspolymer	NuSil/Kobo Products
	6.78	CSF-3100@20cSt	Dimethicone	NuSil/Kobo Products
	5.50	Abil® WE 09	Polyglyceryl-4 Isostearate (And) Cetyl PEG/PPG-10/1 Dimethicone (And) Hexyl Laurate	Evonik
	3.65	CSS-7300	Cyclopentasiloxane (And) PEG/PPG-18/18 Dimethicone	NuSil/Kobo Products
	0.75	CPF-3300@10cSt	Phenyl Trimethicone	NuSil/Kobo Products
	0.40	CSS-7302	PEG-10 Dimethicone	NuSil/Kobo Products
4	3.40	SP-10	Nylon-12	Kobo Products
	3.00	MSS-500W	Silica	Kobo Products
	2.40	TALC N-FS	Talc (And) Perfluorooctyl Triethoxysilane	Kobo Products
	2.35	CARESS® BN06	Boron Nitride	Bent Tree/Kobo Products
5	0.50	KTZ® ARUBAN CORAL	Mica (And) Titanium Dioxide (And) Iron Oxides (C.I. 77491)	Kobo Products
6	0.75	Jeecide CAP-5	Phenoxyethanol (And) Caprylyl Glycol (And) Potassium Sorbate (And) Water (And) Hexylene Glycol	Jeen International
100				

Manufacturing Procedure

1. Combine Part 1 , heat to 45 °C and homogenize until uniform and thickened.
2. Combine Permethyl® 99A and SUMECTON SAN-P. Homogenize for 20 min. then add Propylene Carbonate and homogenize until uniform and gelled.
3. Add Part 2 to Part1. Homogenize and bring to room temperature.
4. Combine Part 3 and add to batch under homogenization.
5. Add Part 4 under homogenization.
6. Add Part 5 under homogenization.
7. Add Part 6 under homogenization.

Description

This waterless skin care product features Kobo's Microspheres MSS-500W and SP-10. SP-10 offers a creamy texture, gives glide upon application, and enhances the feel of the formula. MSS-500W improves skin feel and offers a soft focus effect while reducing shine on the skin. SUMECTON SAN-P provides body and thickening to the oil/silicone phase. Nusil's CPF-3300 is a silicone fluid that can improve the spreadability and, due to its high refractive index, can also disguise wrinkles and fine lines. CXG-1104 is a silicone elastomer that provides a silky powdery feel without cyclics, while CSF-3100@20cSt helps with spreadability. Emulsifiers, CSS-7300 and CSS-7302 are easy to use and offer good compatibility with the system. The FS-Treated Talc shows both water and oil repellency while contributing to a creamy, luxurious feel. CARESS® BN06, Boron Nitride, is used for superior softness and tactility, superb spreadability, and good coverage. KTZ® ARUBAN CORAL delivers a multicolor glow to liven the skin tone.

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KOBO

www.koboproducts.com

Black Hair Mascara

Formula KHP-004B

Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
1	10.00	BWBO-11SP (C33-7001)	Iron Oxides (C.I. 77499) (And) Triethoxycaprylylsilane (And) Polyhydroxystearic Acid	Kobo Products
	8.00	Beeswax White SP 422	Beeswax	Strahl & Pitsch, Inc.
	3.50	Ozokerite Wax White SP 1020	Ozokerite	Strahl & Pitsch, Inc.
	3.00	Carnauba Wax SP 63P	Copernicia Cerifera (Carnauba) Wax	Alzo International Inc.
	3.00	Dermofat 4919	Stearic Acid	Alzo International Inc.
	2.00	KOBOGUARD® 5400 SQ	Hydrogenated Polycyclopentadiene (And) Squalane	Kobo Products
	2.00	Microcrystalline Wax SP-89	Microcrystalline Wax	Strahl & Pitsch, Inc.
	1.00	Liposorb® SQO	Sorbitan Sesquioleate	Vantage
	0.10	Propyl Paraben NF	Propylparaben	International Sourcing
2	48.25	Deionized Water	Water	
	1.00	TEAlan 99%	Triethanolamine	RITA Corp.
	0.20	Methyl Paraben NF	Methylparaben	International Sourcing
	0.20	Natrosol® 250 HHR CS	Hydroxyethylcellulose	Hercules/Aqualon
3	5.00	Deionized Water	Water	
	0.60	Jeecide CAP-5	Phenoxyethanol (And) Caprylyl Glycol (And) Potassium Sorbate (And) Water (And) Hexylene Glycol	Jeen International
	0.15	Germall® 115	Imidazolidinyl Urea	ISP
4	2.00	MSS-500/3H	Silica	Kobo Products
5	10.00	DAITOSOL 5000AD	Acrylates Copolymer (And) Water	Daito/ Kobo Products

100

Manufacturing Procedure

- Mix and heat Part 1 to 80°C.
- In Part 2 while heating, add Natrosol® 250 HHR CS to deionized water under propeller mixing. Mix until Natrosol® 250 HHR CS is fully hydrated. Add the rest of Part 2. Heat to 80°C.
- Add Part 1 to Part 2 under propeller mixing by 80°C .
- Cool down in a water bath to 70°C. Add Part 3. Mix under propeller.
- Add Part 4 to the main batch. Mix under propeller.
- Cool to 40°C and add Part 5 under propeller mixing.
- Continue mixing until 25°C.

Description

This mascara is designed to touch-up greys for hair. KOBOGUARD® 5400 SQ, resin composite, gives quick build up with a water-resistant film, and aids in long wear. BWBO-11SP gives excellent color development. MSS-500/3H gives thickness and body to the mascara and is lightweight. DAITOSOL 5000AD is used to produce a long-wearing film and provide water resistance.

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KOBO

www.koboproducts.com

Lime Shower Gel

Formula KCL-018-EU

Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
1	31.55	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	2.45	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	Zest Ecocert ER239542/00	Fragrance	Givaudan/Brenntag
6	1.55	Citric Acid (30% solution)	Citric Acid	Acros Organics
7	2.35	Jaune Citron (0.01% solution)	CI 19140	Sensient Cosmetic Technologies
8	3.50	Sp-VEaAVGrP41m	Water (And) Propylene Glycol (And) Agar (And) Polyquaternium-11 (And) Tocopheryl Acetate (And) Imidazolidinyl Urea (And) Aloe Barbadensis Leaf Juice (And) Mica (And) Titanium Dioxide (And) Chromium Hydroxide Green (And) Chromium Oxide Greens	Kobo Products

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 Lime Shower Gel showcases Kobo's pearlescent green, small-sized delivery system, Softspheres Sp-VEaAVGrP41m, containing Tocopheryl Acetate and Aloe Barbadensis Leaf Juice, and offering a nice, eye-catching, lime-inspired effect.

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