

FORMULARY

SWSCC 2016

KOBO

www.koboproducts.com

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O/W Natural Sunscreen with JOP80MZCJ & EMP50TEL

Formula KSL-250A

in vivo SPF 34
in vivo UVA-PF 12
CW 382
(see data below)

Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
1	51.65	Deionized Water	Water	
	2.15	Sucrose Stearate C-1816	Sucrose Stearate	Lonza Inc.
	1.00	Geogard™ Ultra™	Gluconolactone (And) Sodium Benzoate	Lonza Inc.
	1.00	ESP Organic Evaporated Cane Juice Sugar	Sucrose	Earth Supplied Products, LLC
	1.00	Di-Sodium Tetraborate Decahydrate	Sodium Borate	EMD Chemicals Inc.
2	7.00	Glycerin U.S.P. Natural 96%	Glycerin	Ruger Chemical
	0.65	KELTROL® CG	Xanthan Gum	CP Kelco
3	15.00	JOP80MZCJ	Zinc Oxide (And) Simmondsia Chinensis (Jojoba) Seed Oil (And) Polyhydroxystearic Acid (And) Jojoba Esters	Kobo Products
	8.40	Sunflower Oil High Oleic	Sunflower (Helianthus Annus) Seed Oil	Brenntag Specialties
	5.00	EMP50TEL	Titanium Dioxide (And) Ethyl Macadamiate (And) Silica (And) Alumina (And) Stearic Acid (And) Polyhydroxystearic Acid	Kobo Products
	2.00	SunBoost ATB™ Natural	Argania Spinosa Kernel Oil (And) Tocopheryl Acetate (And) Bisabolol	Kobo Products
	2.00	Dermofat 4919	Stearic Acid	Alzo International
	1.15	Polyaldo™ HGDS KFG (6-2-S)	Polyglyceryl-6 Distearate	Lonza Inc.
4	2.00	MSS-500W	Silica	Kobo Products

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Manufacturing Procedure

- In main kettle, combine Part 1 ingredients and heat to 78-80°C.
- Combine Part 2 ingredients and heat to 80°C. Mix until uniform using propeller mixer.
- Add Part 2 to Part 1 and mix until uniform.
- Combine Part 3 ingredients. Heat to 80°C and add to batch with propeller mixing.
- Add Part 4 while cooling.
- Homogenize for approximately 2 minutes at 4000 rpm.

Description

This O/W sunscreen contains all natural materials and offers a high SPF. It contains Kobo's non-nano natural sunscreen dispersions; EMP50TEL and JOP80MZCJ. SunBoost ATB™ Natural, a proprietary ratio of anti-oxidants, anti-irritant and anti-inflammatory agents, helps boost SPF and PFA. MSS-500W spherical silica contributes to slip during application and reduces shine on the skin.

Notes

Active Ingredient(s)	
Titanium Dioxide	2.20%
Zinc Oxide	11.64%

SPF testing: in vivo on 3 subjects

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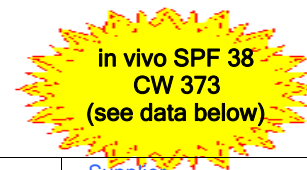
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www.koboproducts.com

December, 2013

Sunscreen with DIM2FH75MZCM

Formula KSL-264



Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
1	48.65	Deionized Water	Water	
	1.00	Liposorb® L-20	Polysorbate 20	Vantage
2	1.50	Propylene Glycol	Propylene Glycol	Symrise
	0.30	KELTROL® CG	Xanthan Gum	CP Kelco
3	12.75	DIM2FH75MZCM	Zinc Oxide (And) Dimethicone (And) Isononyl Isononanoate (And) Polyglyceryl-6 Polyricinoleate (And) PEG-10 Dimethicone (And) Hydrogen Dimethicone	Kobo Products
	7.50	Neo Heliopan® AV	Ethylhexyl Methoxycinnamate	Symrise
	7.50	HallBrite® BHB	Butyloctyl Salicylate	Hallstar
	7.00	Ceraphyl® 368	Ethylhexyl Palmitate	ISP
	3.00	Lipo® GMS-450	Glyceryl Stearate	Vantage
	3.00	Neo Heliopan® BB	Benzophenone-3	Symrise
	2.50	Finsolv® TN	C12-15 Alkyl Benzoate	Finetex
	2.00	Lipomulse® 165	Glyceryl Stearate (And) PEG-100 Stearate	Vantage
	0.50	Lipowax® D	Cetearyl Alcohol (And) Cetearoth-20	Vantage
	0.50	Covi-ox® T-50	Tocopherol	Cognis Corp.
	0.30	Liposorb® TS	Sorbitan Tristearate	Vantage
	4	1.00	Botanistat PF-64	Phenoxyethanol (and) Caprylyl Glycol (and) Ethylhexylglycerin (and) Hexylene Glycol
5	1.00	Aculyn™ 44	PEG-150/Decyl Alcohol/SMDI Copolymer	Rohm & Haas

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Manufacturing Procedure

- In main kettle, combine Part 1 ingredients and heat to 78-80°C.
- Combine Part 2 ingredients and heat to 80°C. Mix until uniform using propeller mixer.
- Add Part 2 to Part 1 and mix until uniform.
- Combine Part 3 ingredients. Heat to 80°C and add to batch with propeller mixing.
- Add Part 4 while cooling.
- Homogenize for approximately 2 minutes at 4000 rpm.
- Add Part 5 to batch.
- Homogenize for approximately 1 minute at 4000 rpm.
- Cool batch to 30°C.

Description

This sunscreen contains Non-D5 DIM2FH75MZCM, Kobo's Non-Nano, Hydrogen Dimethicone-treated Zinc Oxide Dispersion, which provides protection from UVA/UVB light with minimal whitening. This sunscreen also contains organic sunscreens for broad spectrum protection.

Notes

Active Ingredient(s)	9.37%
Zinc Oxide	7.50%
Ethylhexyl Methoxycinnamate	3.00%
Benzophenone-3	

SPF testing: in vivo on 3 subjects

Kobo Products, Inc.

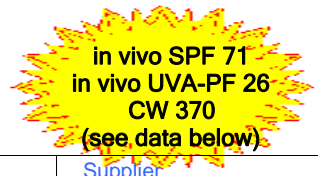
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W/O Sunscreen Milk

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	#Error	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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<p>Manufacturing Procedure</p> <ol style="list-style-type: none"> 1. Dissolve and disperse each Part uniformly. 2. Combine Part 2 with propeller mixing for 1 hour until homogenous. 2. While mixing Part 1 with homogenizer at 2500rpm add Part 2 to Part 1 gradually. 3. Combine Part 3 until homogenous. 4. Slowly add Part 3 to Parts 1 and 2 at 4000rpm for 5 minutes with homogenizer. 	<p>Description</p> <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>Notes</p> <table border="0"> <tr> <td>Active Ingredient(s)</td> <td></td> </tr> <tr> <td> Titanium Dioxide</td> <td style="text-align: right;">8.70%</td> </tr> <tr> <td> Zinc Oxide</td> <td style="text-align: right;">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%						

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www.koboproducts.com

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

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O/W Natural BB Cream with GC70MZCJ-G & EMP50TEL

Formula KLF-095A

Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
1	52.00	Deionized Water	Water	
2	4.00	Glycerin U.S.P. Natural 96%	Glycerin	Ruger Chemical
	1.00	Di-Sodium Tetraborate Decahydrate	Sodium Borate	EMD Chemicals Inc.
	1.00	Geogard™ Ultra™	Gluconolactone (And) Sodium Benzoate	Lonza
	0.45	Keltrol® CG	Xanthan Gum	CP Kelco
3	0.05	IBR-CalmDeAge™ 1201	Glycerin (And) Water (And) Pheonix Dactylifera (Date) Seed Extract	Taos inc.
	0.05	IBR-Snowflake® 1001	Water (And) Leucocjum Aestivum Bulb Extract	Taos inc.
	0.05	Bioskinup Contour	Water (and) Butylene Glycol (and) Ptychopetalum Olacoides Bark/Stem Extract (and) Pfaffia Paniculata Root Extract (and) Lilium Candidum Flower Extract	Taos inc.
	0.05	Activespheres VIT C PMg	Water (And) Butylene Glycol (And) Magnesium Ascorbyl Phosphate (And) Sodium Chondroitin Sulfate (And) Atelocollagen (And) Xanthum Gum (And) Polysorbate 20	Taos inc.
	15.00	GC70MZCJ-G	Zinc Oxide (And) Caprylic/Capric Triglyceride (And) Jojoba Esters (And) Glyceryl Behenate/Eicosadioate	Kobo Products
5.50	EMP50TEL	Titanium Dioxide (And) Ethyl Macadamiate (And) Silica (And) Alumina (And) Stearic Acid (And) Polyhydroxystearic Acid	Kobo Products	
5.00	SunBoost ATB™ Natural	Argania Spinosa Kernel Oil (And) Tocopheryl Acetate (And) Bisabolol	Kobo Products	
4.60	OD75CJE	Titanium Dioxide (And) Octyldodecanol (And) Jojoba Esters (And) Trihydroxystearin	Kobo Products	
3.50	Dermofat 4919	Stearic Acid	Alzo International	
1.90	OD55YJE	Iron Oxides (C.I. 77492) (And) Octyldodecanol (And) Jojoba Esters (And) Trihydroxystearin	Kobo Products	
1.25	Polyaldo™ HGDS KFG (6-2-S)	Polyglyceryl-6 Distearate	Lonza Inc.	
1.00	Shea Butter	Shea Butter	Desert Whale Jojoba Co., Inc.	
1.00	Jojoba Oil	Simmondsia Chinensis (Jojoba) Seed Oil	Desert Whale Jojoba Co., Inc.	
1.00	Safflower Oil	Safflower Oil/Palm Oil Aminopropanediol Esters	Floritech	
0.45	OD75RJE	Iron Oxides (C.I. 77491) (And) Octyldodecanol (And) Jojoba Esters (And) Trihydroxystearin	Kobo Products	
0.15	OD75BJE	Iron Oxides (C.I. 77499) (And) Octyldodecanol (And) Jojoba Esters (And) Trihydroxystearin	Kobo Products	
5	1.00	SILICA SHELLS	Silica	Kobo Products

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Manufacturing Procedure

1. Add Part 1 heat to 70°C. Begin propeller mixing.
2. Combine all Part 2 ingredients into slurry and slowly pour into Part 1.
3. Slowly add Part 3 into batch while propeller mixing.
4. Combine Part 4 ingredients and heat to 70°C until fully dissolved.
5. Slowly add Part 4 into water phase keeping at 70°C.
6. Begin cooling batch and add Part 5 at room temperature while homogenizing at 4500 rpm.

Description

This Natural BB Cream uses Kobo's Non-Nano ZnO dispersion, GC70MZCJ-G, and Kobo's Non-Nano TiO2 dispersion, EMP50TEL. These Non-Nano dispersions give a high SPF/UVA ratio. SunBoost ATB™ Natural is a booster to help increase the SPF and PFA values. It contains a proprietary ratio of anti-oxidant, anti-irritant, and anti-inflammatory agents. Kobo's Natural, OD, Pigmentary dispersions contain patented NJE, Natural Jojoba Ester surface treatment that enables pigment particles to be rendered hydrophobic. SILICA SHELLS absorb excess skin oils and help to keep the foundation color true to the skin.

Notes

Active Ingredient(s)	
Titanium Dioxide	2.42%
Zinc Oxide	10.19%

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March, 2014

KOBO

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Silicone-Free Mousse Foundation

Formula KLF-142-EU

Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
1	61.25	Deionized Water	Water	
2	2.00	Glycérine Codex 99,5%	Glycerin	Interchimie
	0.20	KELTROL® CG-T	Xanthan Gum	CP Kelco
3	5.00	GLW75PFSP	Titanium Dioxide (And) Water (And) Glycerin (And) Sodium Polyacrylate (And) Cellulose Gum	Kobo Products
	2.60	GLW45GYSP	Iron Oxides (C.I. 77492) (And) Water (And) Glycerin (And) Sodium Polyacrylate (And) Cellulose Gum	Kobo Products
	0.40	GLW55GRSP	Iron Oxides (C.I. 77491) (And) Water (And) Glycerin (And) Sodium Polyacrylate (And) Cellulose Gum	Kobo Products
	0.25	GLW60GBSP	Iron Oxides (C.I. 77499) (And) Water (And) Glycerin (And) Sodium Polyacrylate (And) Cellulose Gum	Kobo Products
4	10.00	DUB DNPG	Neopentyl Glycol Diheptanoate	Stearinerie Dubois
	5.00	Crodamol™ ISIS	Isostearyl Isostearate	Croda
	3.00	Emulium® Mellifera	Polyglyceryl-6 Distearate (And) Jojoba Esters (And) Polyglyceryl-3 Beeswax (And) Cetyl Alcohol	Gattefosse
	1.50	Lanette® O	Cetearyl Alcohol	BASF/ AMI Chimie
	1.00	Microcare® PHD	Phenoxyethanol (And) Chlorphenesin (And) Glycerin	Thor Personal Care
	0.40	Fraicheur 1306917	Fragrance	Expressions Parfumées
5	5.00	SESO-MH5	Polymethylsilsesquioxane (And) Silica	N&M/Kobo Products
6	2.00	Glycérine Codex 99,5%	Glycerin	Interchimie
	0.40	AQUA KEEP 10SH-NFC	Sodium Acrylates Crosspolymer-2	Sumitomo Seika/Kobo Products

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Manufacturing Procedure

1. Disperse pre-mixed Part 2 into Part 1 under agitation.
2. Add Part 3 to the bulk and homogenize under the Silverson until full color development.
3. Heat Parts 1, 2, and 3 to 75°C. In a separate container, heat Part 4 to 75°C.
4. Add Part 4 into Parts 1, 2, and 3 under the Silverson and homogenize for 2 minutes.
5. Switch to propeller agitation and add Part 5.
6. Add pre-mixed Part 6 to the bulk under high propeller agitation.

Description

This bouncy mousse texture, using no silicone elastomers, is obtained with AQUA KEEP 10SH-NFC gelifying the external water phase of the emulsion. Kobo's GLW pigmentary dispersions allow easy addition of the pigments in the water phase. Hydrophilic Silicone Resin, SESO-MH5, offers a smooth application with good payoff and soft focus effect.

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February, 2015

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) Methicone (And) Tocopheryl Acetate (And) Polyhydroxystearic Acid (And) Bisabolol	Kobo Products
	11.85	PT1BM70U	Titanium Dioxide (And) Phenyl Trimethicone (And) Distardimonium 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) Distardimonium 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) Distardimonium 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) Distardimonium 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

100

Manufacturing Procedure

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

100

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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KoboGel D5 Serum Foundation

Formula KLF-181

Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
1	51.20	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
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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Foundation with SESQ-White1

Formula KLF-188

Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
1	4.80	X-22-6711D	Dimethicone (And) PEG/PPG-18/18 Dimethicone	Shin Etsu
	2.50	Lexol® PG-865	Propylene Glycol Dicaprylate/Dicaprate	Inolex Chemical Company
	2.50	SALACOS® 99	Isononyl Isononanoate	Ikeda Corporation
	2.50	SS4267	Dimethicone (And) Trimethylsiloxysilicate	Momentive
	1.00	Ethyl Alcohol E1028	Ethyl Alcohol	Warner Graham
	1.00	SUMECTON SAN-P	Quaternium-18 Hectorite	Kobo Products
	0.75	SF1555	Bis-Phenylpropyl Dimethicone	Momentive
2	23.30	DM2F40T7	Dimethicone (And) Trisiloxane (And) Titanium Dioxide (And) Alumina (And) Methicone (And) PEG-9 Polydimethylsiloxylethyl Dimethicone	Kobo Products
	5.65	CSF-3100@5cSt	Dimethicone	NuSil/Kobo Products
	4.00	FAND65USI	Titanium Dioxide (And) Dimethicone (And) PEG/PPG-18/18 Dimethicone (And) Triethoxycaprylylsilane	Kobo Products
	2.60	FAND45YSI	Iron Oxides (C.I. 77492) (And) Dimethicone (And) PEG/PPG-18/18 Dimethicone (And) Triethoxycaprylylsilane	Kobo Products
	1.00	CSS-7302	PEG-10 Dimethicone	NuSil/Kobo Products
	0.40	FAND55RSI	Iron Oxides (C.I. 77491) (And) Dimethicone (And) PEG/PPG-18/18 Dimethicone (And) Triethoxycaprylylsilane	Kobo Products
	0.25	FAND60BSI	Iron Oxides (C.I. 77499) (And) Dimethicone (And) PEG/PPG-18/18 Dimethicone (And) Triethoxycaprylylsilane	Kobo Products
3	36.50	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
4	5.00	SESQ-White1	Polymethylsilsesquioxane (And) Polyphenylsilsesquioxane	N&M/Kobo Products

100

Manufacturing Procedure

1. Homogenize all ingredients of Part 1 until fully dispersed. Homogenize at least 20 minutes at 3000 rpm.
2. Add Part 2 to dispersed Part 1 at room temperature. Homogenize for 15 minutes.
3. Slowly add Part 3 to dispersed Parts 1 and 2 at room temperature and homogenize until dispersed.
4. Add Part 4 slowly to Parts 1, 2, and 3 with homogenization.

Description

This W/O foundation features Kobo's Non-D5, FAND, Pigmentary Dispersions. DM2F40T7 is a Volatile Non-D5 Attenuation grade TiO2 Dispersion used for SPF. SUMECTON SAN-P gives body and thickening to the oil/silicone phase. SESQ-White1 gives a creamy cushion and a powdery after feel. Caresil Pure Fluids, high clarity-purity silicone, CSF-3100@5cSt, delivers an emollient, silky feel with reduced tackiness that brings about high spreadability and compatibility. CSS-7302 is an effective emulsifier for W/Si emulsions.

Notes

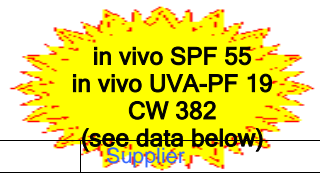
Active Ingredient(s) Titanium Dioxide	7.20%
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Kobo Products - formulations

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

100

Manufacturing Procedure

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.
2. Homogenize Parts 1 and 2 together at 3500-4000 rpm.
3. Pre-mix Part 3.
2. Add Part 3 to Parts 1 and 2 while homogenizing at 3500-4000 rpm.
3. Add Part 4, followed by Parts 5 and 6 while homogenizing.

Description

This lightweight, daily defense foundation offers broad spectrum protection while priming and giving the skin a healthy appearance. 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.

Notes Active Ingredient(s)

Zinc Oxide	2.92%
Titanium Dioxide	5.32%

SPF testing: in vivo on 3 subjects

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KoboGel D5 W/Si Concealer with SPF

Formula KCC-013

Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
1	25.00	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
	10.00	HBP45TEL	Butyloctyl Salicylate (And) Titanium Dioxide (And) Alumina (And) Silica (And) Stearic Acid (And) Polyhydroxystearic Acid	Kobo Products
	8.80	CSV-3000	Cyclopentasiloxane	NuSil/Kobo Products
	2.50	CSS-7300	Cyclopentasiloxane (And) PEG/PPG-18/18 Dimethicone	NuSil/Kobo Products
	2.00	CSS-7302	PEG-10 Dimethicone	NuSil/Kobo Products
2	41.00	Deionized Water	Water	
	3.00	Glycerin U.S.P. Natural 96%	Glycerin	Ruger Chemical
	1.00	Sodium Chloride	Sodium Chloride	Morton Salt
	1.00	Jecide CAP-5	Phenoxyethanol (And) Caprylyl Glycol (And) Potassium Sorbate (And) Water (And) Hexylene Glycol	Jeen International
	0.50	Tween™ 20	Polysorbate 20	Croda
3	5.00	SESQ-White1	Polymethylsilsesquioxane (And) Polyphenylsilsesquioxane	N&M/Kobo Products
4	0.20	SPC/KTZ INTERVAL GOLD-I2	Mica (And) Titanium Dioxide (And) Ethylene/Methacrylate Copolymer (And) Isopropyl Titanium Triisostearate	Kobo Products

100

Manufacturing Procedure

- Mix Part 1.
- Mix Part 2 separately.
- Slowly add Part 2 to Part 1 while homogenizing.
- Add Part 3 while homogenizing.
- Add Part 4 while mixing.

Description

This is a liquid W/Si concealer that showcases the benefits and ease of use of KoboGel D5 Light. KoboGel D5 not only aids in color matching by simplifying color additions into formulations but also enriches formulas with a silky and spreadable feel. Also in this concealer are CSS-7302 and CSS-7300, which are effective W/Si emulsifiers. Kobo's Titanium Dioxide dispersion, HBP45TEL, helps achieve a broad spectrum SPF. SESQ-White1 helps to give a powdery after feel and soft focus effect, while SPC/KTZ INTERVAL GOLD-I2 gives a subtle illuminating effect on skin.

Notes

Active Ingredient(s)
Titanium Dioxide 4.10%

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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

100

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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Natural-Treated Mineral Powder with Jojoba

Formula KPW-007A

Ester

Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
1	73.40	GMS-NJE3	Mica (And) Jojoba Esters	Kobo Products
	15.00	TTO-NJE8	Titanium Dioxide (And) Alumina (And) Jojoba Esters	Kobo Products
	5.00	RBTD-671-NJE2	Titanium Dioxide (And) Jojoba Esters	Kobo Products
	5.00	BYO-NJE3	Iron Oxides (C.I. 77492) (And) Jojoba Esters	Kobo Products
	1.00	BRO-NJE2	Iron Oxides (C.I. 77491) (And) Jojoba Esters	Kobo Products
	0.60	BBO-NJE2	Iron Oxides (C.I. 77499) (And) Jojoba Esters	Kobo Products

100

Manufacturing Procedure 1. Pass premixed Part 1 through a micropulverizer or suitable equipment until color is fully extended.	Description A Natural-Treated Mineral Powder that shows excellent color development, adhesion to skin, and even application due to Kobo's Natural Jojoba Ester Treatment.
	Notes Active Ingredient(s) Titanium Dioxide 11.51%

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Long Wear Eye Shadow with KOBOGUARD® MQ75E

Formula KEY-021A

Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
1	20.80	SF1202	Cyclopentasiloxane	Momentive
	7.35	SALACOS® 99	Isononyl Isononanoate	Ikeda Corporation
	3.50	Abil® WE 09	Polyglyceryl-4 Isostearate (And) Cetyl PEG/PPG-10/1 Dimethicone (And) Hexyl Laurate	Evonik
	1.00	ZINC STEARATE	Zinc Stearate	Kobo Products
	1.00	SUMECTON SAN-P	Quaternium-18 Hectorite	Kobo Products
2	4.00	Carnauba Wax SP 63P	Copernicia Cerifera (Carnauba) Wax	Strahl & Pitsch, Inc.
	0.10	Propylene Carbonate	Propylene Carbonate	Spectrum Chemical Mfg Corp.
3	35.00	Deionized Water	Water	
	0.75	Sodium Chloride	Sodium Chloride	Morton Salt
	0.50	Germaben® II	Propylene Glycol (And) Diazolidinyl Urea (And) Methylparaben (And) Propylparaben	ISP
4	7.50	KOBOGUARD® MQ75ETS	Trimethylsiloxysilicate (And) Ethyl Trisiloxane	Kobo Products
5	1.00	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
6	5.50	SP-10	Nylon-12	Toray/Kobo Products
	5.00	MSS-500W	Silica	Kobo Products
7	7.00	KTZ® SLATE-11S2	Titanium Dioxide (And) Mica (And) Iron Oxides (C.I. 77491) (And) Ferric Ferrocyanide (And) Triethoxycaprylylsilane	Kobo Products

100

Manufacturing Procedure

Please note that materials are heated above their flash point. Explosion proof equipment must be used.

1. Combine Part 1 and homogenize until well dispersed.
2. Add Part 2 to Part 1 and heat until melted.
3. Under homogenization add Part 3 to Parts 1 and 2.
4. Add Part 4 while homogenizing.
5. Add Part 5 while homogenizing.
6. Add Part 6 while homogenizing.
7. Stir in Part 7 slowly by hand until dispersed.

Description

This eye shadow features KOBOGUARD® MQ75ETS, which contributes to long wear and non-creasing properties. Silane Treated KTZ® SLATE provides a teal color and pearlescent effect. SUMECTON SAN-P helps to gel the system for stability. The INBP Pigmentary Dispersion gives high color impact, while MSS-500W and SP-10 are used for enhanced feel and soft focus effect.

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August, 2010

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KTZ® EBONY Pearlescent Eye Shadow - Midnight

Formula KEY-062C

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 Fluorphlogopite (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.

Kobo Products, Inc.

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tel: +1 - 908-757-0033 fax: +1 - 908-757-0905 info@koboproductsinc.com

KOBO

www.koboproducts.com

Transformative Powder-to-Cream Eyeshadow with

Formula KEY-063

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 Kasei Kogyo Co.,Ltd.-JPY
	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	30.50	Cetiol® CC	Dicaprylyl Carbonate	Cognis Corp.
	10.00	COSMOL™ 43	Polyglyceryl-2 Triisostearate	Ikeda Corporation
	3.50	Lexol® PG-865	Propylene Glycol Dicaprylate/Dicaprate	Inolex Chemical Company
	1.00	Genuine Rice Bran Wax	Oryza Sativa (Rice Bran) Wax	Strahl & Pitsch, Inc.
	1.00	Candelilla Wax SP 75	Euphorbia Cerifera (Candelilla) Wax	Strahl & Pitsch, Inc.
3	15.00	KTZ® MISTERIOSO GREEN	Titanium Dioxide (And) Mica (And) Iron Oxides (C.I. 77499)	Kobo Products

100

Manufacturing Procedure

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

Description

This is a unique eyeshadow 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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June, 2016

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	Perfomalene™ 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

100

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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www.koboproducts.com

Extreme Matte Lipstick with SILICA SHELLS

Formula KLP-113

Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
1	17.00	Softisan® 100	Hydrogenated Coco-Glycerides	Sasol
	14.30	Wickenol 155	Ethylhexyl Palmitate	Alzo International Inc.
	10.00	SALACOS® 99	Isononyl Isononanoate	Ikeda Corporation
	10.00	CXG-1101	Cyclopentasiloxane (And) Dimethicone/Vinyl Dimethicone Crosspolymer	NuSil/Kobo Products
	8.00	Candelilla Wax SP 75	Euphorbia Cerifera (Candelilla) Wax	Strahl & Pitsch, Inc.
	7.00	Microcrystalline Wax SP-89	Microcrystalline Wax	Strahl & Pitsch, Inc.
	5.00	Shea Butter	Shea Butter	Cognis Corp.
	5.00	Beeswax White Sp 422P	Beeswax	Strahl & Pitsch, Inc.
	5.00	SILICA SHELLS	Silica	Kobo Products
	4.00	Lanette O	Cetearyl Alcohol	Cognis Corp.
	3.50	Ozokerite Wax White SP 1020	Ozokerite	Strahl & Pitsch, Inc.
	2.00	TALC N-I2	Talc (And) Isopropyl Titanium Triisostearate	Kobo Products
	2.00	INBP75ER	Iron Oxides (C.I. 77491) (And) Isononyl Isononanoate (And) Isopropyl Myristate (And) Stearalkonium Hectorite (And) Polyhydroxystearic Acid (And) Isopropyl Titanium Triisostearate (And) Propylene Carbonate	Kobo Products
	2.00	INBP70U	Titanium Dioxide (And) Isononyl Isononanoate (And) Isopropyl Myristate (And) Stearalkonium Hectorite (And) Isopropyl Titanium Triisostearate (And) Propylene Carbonate (And) Polyhydroxystearic Acid	Kobo Products
	2.00	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
	0.10	BHT Food Grade Crystal	BHT	Protameen
	0.10	Propyl Paraben NF	Propylparaben	International Sourcing
2	3.00	KOBOGUARD® HRPC	Hydrogenated Polycyclopentadiene (And) Polyethylene (And) Copernicia Cerifera (Carnauba) Wax (And) Tocopherol	Kobo Products

100

Manufacturing Procedure

1. Premix SILICA SHELLS in Wickenol 155 and SALACOS® 99. In main tank equipped with propeller agitation, add the remaining ingredients in Part 1 to SILICA SHELLS premix and heat to 80°C - 85°C. Keep batch covered well.
2. Homogenize batch. Switch to mixing and add Part 2. Keep batch covered well.
3. Once shade is adjusted, begin force cooling batch. Continue cooling to 78°C - 80°C.
4. Pour into molds at 78°C - 80°C.

Description

This super matte lipstick contains Kobo's Pigmentary Dispersions, INBP75ER, INBP45R7C, and INBP70U which are used for their high percentage of color and to ease the manufacturing process. They also help to improve wear and formula aesthetics. The combination of SILICA SHELLS and TALC N-I2 provides the intense matte appearance. CXG-1101, an elastomer gel, is also used for a matte appearance. This formula contains KOBOGUARD® HRPC, a film former, which gives excellent wear, adhesion, and is less tacky than many other film formers.

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November, 2015

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www.koboproducts.com

High Shine Luster Lipstick

Formula KLP-117

Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
1	41.60	CO20R7C	Ricinus Communis (Castor) Seed Oil (And) Red 7 Lake (And) Isopropyl Titanium Triisostearate	Kobo Products
	9.20	Softisan® 645	Bis-Diglyceryl Polyacyladipate-1	Sasol
	8.20	Wickenol 155	Ethylhexyl Palmitate	Alzo International Inc.
	5.00	Candelilla Wax SP 75	Euphorbia Cerifera (Candelilla) Wax	Olvea
	4.20	KOBOGUARD® 5400 CCT	Hydrogenated Polycyclopentadiene (And) Caprylic/Capric Triglyceride	Kobo Products
	3.70	Ozokerite Wax White SP 1020P	Ozokerite	Strahl & Pitsch
	2.50	Lipowax® D	Cetearyl Alcohol (And) Ceteareth-20	Vantage
	2.10	Cetiol® SB 45	Shea Butter	BASF
	1.70	Microcrystalline Wax SP-89	Microcrystalline Wax	Strahl & Pitsch
	0.80	SP-500	Nylon-12	Kobo Products
2	0.10	Propyl Paraben NF	Propylparaben	International Sourcing
	0.10	BHT Food Grade Crystal	BHT	Protameen Chemicals
3	20.80	KOBOPEARL® PERPETUAL LUSTER GoldGreen	Synthetic Fluorphlogopite (And) Silica (And) Titanium Dioxide	Kobo Products

100

Manufacturing Procedure

1. Add Part 1 and heat to 80°C.
2. Mix Part 2 and add to Part 1 while mixing using propeller until color is uniform.
3. Add Part 3 to batch until uniform.
3. Pour into mold at 78°C.

Description

This lipstick features Kobo's CO20R7C, a castor oil dispersion, which offers full color development, better stability, and improved gloss. KOBOGUARD® 5400 CCT, an oil soluble polymer, helps to enhance adhesion and substantivity of the formula. It improves water-resistance and rub-resistance while imparting gloss. SP-500, a polymer microsphere, offers a ball-bearing effect with an elegant silky texture, increased payoff, and enhanced slip. KOBOPEARL® PERPETUAL LUSTER GoldGreen gives a pearlescent effect to the formula.

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December, 2015

KOBO

www.koboproducts.com

Matte Lipstick

Formula KLP-118

Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
1	20.70	SALACOS® 99	Isononyl Isononanoate	Ikeda Corporation
	6.00	Eutanol® G	Octyldodecanol	Cognis Corp.
	1.60	Softisan® 649	Bis-Diglyceryl Polyacyladipate-2	Sasol
	0.80	Cegesoft® SB	Butyrospermum Parkii (Shea) Butter	BASF
	0.75	Phenoxytol®	Phenoxyethanol	Ashland
	0.65	MICA S-I2	Mica (And) Isopropyl Titanium Triisostearate	Kobo Products
2	6.60	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
	6.60	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
	4.60	INBP50R27U	Red 27 Lake (And) Isononyl Isononanoate (And) Isopropyl Myristate (And) Stearalkonium Hectorite (And) Isopropyl Titanium Triisostearate (And) Propylene Carbonate (And) Polyhydroxystearic Acid	Kobo Products
	1.95	INBP50Y5A	Yellow 5 Lake (And) Isononyl Isononanoate (And) Isopropyl Myristate (And) Stearalkonium Hectorite (And) Isopropyl Titanium Triisostearate (And) Propylene Carbonate (And) Polyhydroxystearic Acid	Kobo Products
	0.30	INBP50MV	Manganese Violet (And) Isononyl Isononanoate (And) Isopropyl Myristate (And) Stearalkonium Hectorite (And) Isopropyl Titanium Triisostearate (And) Propylene Carbonate (And) Polyhydroxystearic Acid	Kobo Products
3	17.00	Ozokerite Wax White SP 1020P	Ozokerite	Strahl & Pitsch
	6.40	Microcrystalline Wax SP-89	Microcrystalline Wax	Strahl & Pitsch
	5.85	Beeswax White Sp 422P	Beeswax	Strahl & Pitsch
	4.85	KOBOGUARD® 5400 SQ	Hydrogenated Polycyclopentadiene (And) Squalane	Kobo Products
	2.45	CANDELILLA WAX	Euphorbia Cerifera (Candelilla) Wax	Strahl & Pitsch
	2.45	Carnauba Wax SP 63P	Copernicia Cerifera (Carnauba) Wax	Strahl & Pitsch
4	9.65	CPF-3300@40cSt	Phenyl Trimethicone	NuSil/Kobo Products
	0.80	FLORITE PS-10	Calcium Silicate	Tomita/Kobo Products

100

Manufacturing Procedure

1. In main tank equipped with propeller agitation, combine Part 1 ingredients and heat to 85°C.
2. Add Part 2 to batch while mixing at 85°C.
3. Add Part 3 to batch while mixing at 85°C.
4. Combine Part 4 to make a slurry and add to batch while mixing at 85°C.
5. Pour into molds at 79°C.

Description

This Matte Lipstick features Kobo's ITT treatment to give a creamy feel and texture to the formula. INBP dispersions ease the manufacturing process and help the formula achieve a creamy uniform texture. CareSil™ CPF-3300@40cSt is a clear, high refractive index, low viscosity Phenyl Trimethicone that is easily incorporated into formulations and provides good slip during application. FLORITE PS-10, offers the matte effect and provides a creamy feel on the lips. KOBOGUARD® 5400 SQ gives a water-resistant film and aids in long wear.

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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 Aluminum 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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KOBO

www.koboproducts.com

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

100

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 component.

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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www.koboproducts.com

Brave Long-Lasting Lip Gloss

Formula KLG-002B-BR

Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
1	30.80	Lipo® IDD 99A	Isododecane	Vantage
	25.00	KOBOGUARD® 5400 IDD	Hydrogenated Polycyclopentadiene (And) Isododecane	Kobo Products
	15.00	Belsil® TMS 803	Trimethylsiloxysilicate	Wacker
	7.00	KTZ® ROUSSILLON	Mica (And) Iron Oxides (C.I. 77491)	Kobo Products
	5.00	MSS-500W	Silica	Kobo Products
	5.00	COSMOL™ 222	Diisostearyl Malate	Ikeda/Kobo Products
	3.20	NOMCORT® HK-G	Glyceryl Behenate/Eicosadioate	Ikeda/Kobo Products
	3.00	Moonshine® Russet Ultra Shimmer	Calcium Aluminum Borosilicate (And) Iron Oxides (C.I. 77491)	Glass Flake/Kobo Products
	3.00	Bentone Gel® VS5-PCV	Cyclopentasiloxane (and) Distearidimonium Hectorite (and) Propylene Carbonate	Cosmotec
	2.00	COSMOL™ 168ARV	Dipentaerythryl Hexahydroxystearate/Hexastearate/Hexarosinate	Ikeda/Kobo Products
	0.50	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
	0.30	INBP50Y6A	Yellow 6 Lake (And) Isononyl Isononanoate (And) Isopropyl Myristate (And) Stearalkonium Hectorite (And) Isopropyl Titanium Triisostearate (And) Propylene Carbonate (And) Polyhydroxystearic Acid	Kobo Products
	0.20	INBP50R6B	Red 6 Lake (And) Isononyl Isononanoate (And) Isopropyl Myristate (And) Stearalkonium Hectorite (And) Isopropyl Titanium Triisostearate (And) Propylene Carbonate (And) Polyhydroxystearic Acid	Kobo Products

100

Manufacturing Procedure

1. Add Part 1 and heat under stirring until complete solubilization of ingredients.

Description

This Long Lasting Lip Gloss contains COSMOL™ 222, which is a pigment dispersant that offers great stability against oxidation and COSMOL™ 168ARV, which gives a superior oxidative stability, miscibility, water retention, luster and emollience. NOMCORT® HK-G is a gellant that can increase viscosity and improve formula stability. KOBOGUARD® 5400 IDD forms a water-resistant film that offers long wear to this formulation. INBP Dispersions are pigmentary dispersions in Isononyl Isononanoate that ease the manufacturing process and provide more vivid color. They are available in many different shades. KTZ® ROUSSILLON and Moonshine® Russet Ultra Shimmer offer a unique pearlescent and metallic effect to the formulation. MSS-500W is a silica microsphere that improves payoff while filling in the lines on the lip for a more even application .
Please apply KLP-077 Topcoat, as Step 2, to increase shine and improve lip feel.

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KOBO

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Brightening Facial Cream

Formula KFL-046

Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
1	37.00	CSV-3000	Cyclopentasiloxane	NuSil/Kobo Products
	19.50	CXG-1101	Cyclopentasiloxane (And) Dimethicone/Vinyl Dimethicone Crosspolymer	NuSil/Kobo Products
	2.00	ABIL® EM 90	Cetyl PEG/PPG-10/1 Dimethicone	Evonik
	1.00	MSS-500W	Silica	Kobo Products
	1.00	SILICA SHELLS	Silica	Kobo Products
	1.00	SP-10	Nylon-12	Toray/Kobo Products
	1.00	BPD-500	HDI/Trimethylol Hexyllactone Crosspolymer (And) Silica	Kobo Products
2	25.20	Deionized Water	Water	
	5.00	Glycerin U.S.P. Natural 96%	Glycerin	Ruger Chemical
	0.30	Germaben® II	Propylene Glycol (And) Diazolidinyl Urea (And) Methylparaben (And) Propylparaben	ISP
	0.30	Allantoin	Allantoin	RITA Corp
	0.25	Jeesorb L-20	Polysorbate 20	Jeen International
	0.15	Gs-VE	Water (And) Palmitoyl Hydroxypropyltrimonium Amylopectin/Glycerin Crosspolymer (And) Phenoxyethanol (And) Tocopherol (And) Parabens (And) Hydrogenated Lecithin	Kobo Products
	0.15	Gs-VA100C	Butylene Glycol (And) Water (And) Palmitoyl Hydroxypropyltrimonium Amylopectin/Glycerin Crosspolymer (And) Polysorbate 20 (And) Retinol (And) Phenoxyethanol (And) Parabens (And) Hydrogenated Lecithin (And) BHT (And) BHA	Kobo Products
	0.15	Gs-PCOG	Water (And) Palmitoyl Hydroxypropyltrimonium Amylopectin/Glycerin Crosspolymer (And) Vitis Vinifera (Grape) Seed Extract (And) Phenoxyethanol (And) Parabens (And) Hydrogenated Lecithin	Kobo Products
3	3.00	CES-3401	Trifluoropropyl Dimethicone (And) Water (And) Glycerin (And) Pentylene Glycol (And) Phenoxyethanol (And) Carbomer (And) Amodimethicone (And) Sodium Hydroxide (And) Disodium EDTA	NuSil/Kobo Products
	3.00	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

100

Manufacturing Procedure

1. Homogenize Part 1.
2. Homogenize Part 2.
3. Slowly pour Part 2 into Part 1 while homogenizing.
4. Slowly add Part 3 to batch – continue homogenizing for 10 minutes at 4500 rpm.

Description

This Facial Cream features elastomer gel CXG-1101 to impart a creamy, gel texture to the product along with MSS-500W. Silica Microsphere, MSS-500W, enhances the formula's creamy slip during application. BPD-500 and SP-10 contribute a soft focus effect for this cream that creates a natural blurring effect to minimize the look of lines and wrinkles. SILICA SHELLS help to control sebum on the skin by absorbing excess skin oils. CES-1104 and CES-3401 are elastomer gels that can be added to the water phase or post emulsification. They are encapsulated in a Carbomer/Amodimethicone shell. Upon application the encapsulated CES materials break and offer an initial refreshing feel that is followed by a velvety silicone after feel. Glycospheres, Gs-VE, Gs-PCOG, and Gs-VA100C, protect and deliver active ingredients to give a revitalized effect.

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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 (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
			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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Color Pigment Complex

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FAND45YSI

FAND55RSI

FAND60BSI

FAND65USI

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PT1BM30R7C

PT1BM50Y5A

PT1BM70R

PT1BM70U

Colored Concentrates

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KLF-181 Page 9 KoboGel D5 Medium

KCC-013 Page 12 KoboGel D5 Light

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TNP50T7-ATB

TNP50T7-ATB

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PT1BM60B

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PT1BM70U

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The Powder & Dispersion Specialist

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