

# FORMULARY

*in-cosmetics Korea 2017*

**KOBO**

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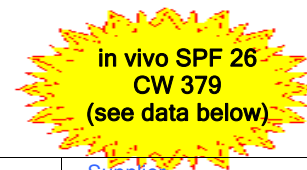
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# Dry Touch Sunscreen

## Formula KSL-285C



Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
<b>1</b>	27.32	Xiameter® PMX- 0245	Cyclopentasiloxane	Dow Corning
	9.90	<b>TNP50T7-ATB</b>	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	<b>Kobo Products</b>
	3.60	KF-6040	Cyclopentasiloxane (And) PEG/PPG-18/18 Dimethicone	Shin Etsu
	3.58	<b>TNP65MZS</b>	Zinc Oxide (And) C12-15 Alkyl Benzoate (And) Polyhydroxystearic Acid (And) Triethoxycaprylylsilane	<b>Kobo Products</b>
	2.00	Abil® EM 90	Cetyl PEG/PPG-10/1 Dimethicone	Evonik
	2.00	Dow Corning 556 Fluid	Phenyl Trimethicone	Dow Corning
	2.00	<b>CARESS® BN09</b>	Boron Nitride	<b>Bent Tree/Kobo Products</b>
	0.75	SF1528	Cyclopentasiloxane (And) PEG/PPG-20/15 Dimethicone	Momentive
	0.70	<b>CXG-1101</b>	Cyclopentasiloxane (And) Dimethicone/Vinyl Dimethicone Crosspolymer	<b>NuSil/Kobo Products</b>
	0.50	<b>FLORITE R</b>	Calcium Silicate	<b>Tomita/Kobo Products</b>
0.10	Propyl Paraben NF	Propylparaben	International Sourcing	
<b>2</b>	29.35	Deionized Water	Water	
	2.30	Butylene Glycol	Butylene Glycol	Ruger Chemical
	2.30	<b>CELLULOBEADS D-5</b>	Cellulose	<b>Daito/Kobo Products</b>
	2.00	<b>COMPOSITE ACZ-50</b>	Zinc Oxide (And) Acrylates Copolymer (And) Kaolin (And) Sodium Polyacrylate	<b>Kobo Products</b>
	1.50	Glycerin U.S.P. Natural 96%	Glycerin	Ruger Chemical
	1.00	<b>COMPOSITE ACT-50</b>	Titanium Dioxide (And) Acrylates Copolymer (And) Hydrated Silica (And) Algin (And) Aluminum Hydroxide	<b>Kobo Products</b>
	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	
<b>3</b>	3.50	<b>SP-10</b>	Nylon-12	<b>Toray/Kobo Products</b>
	3.50	<b>BPD-500W</b>	HDI/Trimethylol Hexyllactone Crosspolymer (And) Silica	<b>Kobo Products</b>
100				

### 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 TiO<sub>2</sub> sunscreen dispersion with Kobo's SunBoost ATB™, a proprietary blend of antioxidants, anti-irritant and anti-inflammatory agents. 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 TiO<sub>2</sub> entrapped within a micron size polymer matrix. In the composite the optical properties of the titanium dioxide are maintained plus an improved skin feel during application is obtainable. Kobo Microspheres, BPD-500W and SP-10, create a natural blurring effect that minimizes the look of lines and wrinkles and illuminates the skin.

### Notes

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

SPF testing: in vivo on 3 subjects

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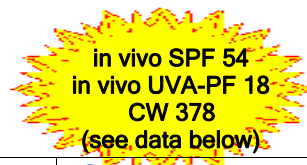


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March, 2017

# Kids' Sunscreen

## Formula KSL-303-BR



Kobo Products - formulations

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

100

### Manufacturing Procedure

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

### Description

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

### Notes

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

SPF testing: in vivo on 3 subjects

### Kobo Products, Inc.

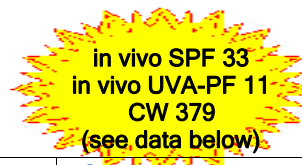
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# Day Cream

## Formula KSL-308-BR



Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
<b>1</b>	46.40	Deionized Water	Water	
	2.00	Glicerina	Glycerin	CAAL
	0.20	Goma Xantana	Xanthan Gum	CP Kelco
<b>2</b>	16.40	<b>GLW70MZC</b>	Zinc Oxide (And) Water (And) Glycerin (And) Sodium Polyacrylate (And) Cellulose Gum	<b>Kobo Products</b>
<b>3</b>	9.00	<b>SALACOS® 913</b>	Isotridecyl Isononanoate	<b>Ikeda/Kobo Products</b>
	6.00	<b>SALACOS® 99</b>	Isononyl Isononanoate	<b>Ikeda/Kobo Products</b>
	5.50	<b>HBTN55TIS-EU</b>	Butyloctyl Salicylate (And) Titanium Dioxide (And) Isostearic Acid (And) Aluminum Hydroxide (And) C12-15 Alkyl Benzoate (And) Stearic Acid	<b>Kobo Products</b>
	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	Cetareth-20	M.Cassab
<b>4</b>	1.00	Liquid Germall® Plus	Propylene Glycol (and) Diazolidinyl Urea (and) Iodopropynyl Butylcarbamate	Ashland
<b>5</b>	4.00	<b>COMPOSITE ACT-50</b>	Titanium Dioxide (And) Acrylates Copolymer (And) Hydrated Silica (And) Algin (And) Aluminum Hydroxide	<b>Kobo Products</b>
	2.50	<b>BPD-500W</b>	HDI/Trimethylol Hexyllactone Crosspolymer (And) Silica	<b>Kobo Products</b>
	0.50	<b>CosmeHerbest™ SEABERRY</b>	Water (And) Propanediol (And) Hippophae Rhamnoides Fruit Extract	<b>Ikeda/Kobo Products</b>
100				

### Manufacturing Procedure

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

### Description

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

### Notes

Active Ingredient(s)	
Zinc Oxide	11.50%
Titanium Dioxide	4.53%
SPF testing: in vivo on 3 subjects	

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# Natural Mineral Sunscreen

Formula KSL-321A-EU



Kobo Products - formulations

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

100

**Manufacturing Procedure**

1. Combine Part 1 and heat to 75°C.
2. Disperse Part 3 into Part 2.
3. Add Part 4 to water phase.
4. Heat water phase to 75°C.
5. Slowly Add water phase into Part 1 and homogenize at 6000 rpm for 2 min.
6. Add Part 5 at temperature below 40°C.

**Description**

This high SPF, Natural, Mineral Only Sunscreen features Kobo's TiO2 and ZnO Dispersions. GCO45TV provides high UVB protection while GCP50ZSI offers protection against UVA to achieve a broad spectrum formula with an elegant feel.

**Notes**

Active Ingredient(s)	
Zinc Oxide	12.22%
Titanium Dioxide	12.95%

SPF testing: in vivo on 3 subjects  
Note 3 person in vivo test results: SPF 60

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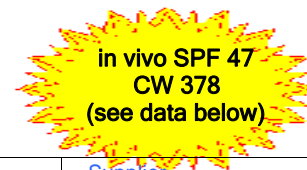


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# Water-Less, Natural Sunscreen

## Formula KSL-330B



Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
<b>1</b>	20.80	JOJOBA OIL	Simmondsia Chinensis (Jojoba) Seed Oil	Vantage
	10.00	Protachem™ CTG	Caprylic/Capric Triglyceride	Protameen
	5.00	SunBoost ATB™	Argania Spinosa Kernel Oil (And) Tocopheryl Acetate (And) Bisabolol	Kobo Products
	5.00	Liponate® IPM	Isopropyl Myristate	Vantage
	5.00	JOS10M5	Simmondsia Chinensis (Jojoba) Seed Oil (And) Silica	Kobo Products
	3.50	Lanette O	Cetearyl Alcohol	Cognis
	3.00	Glycerin U.S.P. F.C.C. 96%	Glycerin	Ruger Chemical Co., Inc.
	2.00	Shea Butter	Shea Butter	Cognis Corp
	1.50	MANGO BUTTER	Mangifera Indica (Mango) Seed Butter	RITA Corp.
	1.00	Dermofat 4919	Stearic Acid	Alzo Chemical
<b>2</b>	23.00	GCP55TJ	Titanium Dioxide (And) Caprylic/Capric Triglyceride (And) Jojoba Esters (And) Polyhydroxystearic Acid	Kobo Products
	12.00	GCO50XZJ	Zinc Oxide (And) Caprylic/Capric Triglyceride (And) Sorbitan Oliviate (And) Jojoba Esters	Kobo Products
<b>3</b>	6.50	CELLULOBEADS D-10	Cellulose	Daito/ Kobo Products
	1.00	Lexgard® E	Ethylhexylglycerin	Inolex Chemical Company
	0.70	FLORITE PS-10	Calcium Silicate	Tomita/Kobo Products

100

### Manufacturing Procedure

1. In main beaker add Part 1 and heat until waxes are melted.
2. Add Part 2 to Part 1 and mix until uniform.
3. Start cooling and add Part 3.

### Description

This natural anhydrous sunscreen showcases a Korean trend of Water-Free formulas and uses natural oils as the base. This Water-Less formula features JOS10M5 Kobo's Fumed Silica Gellant in Jojoba Oil, which helps give structure and emolliency. Titanium Oxide and Zinc Oxide dispersions, GCP55TJ and GCO50XZJ give the formula SPF protection. It also features SunBoost ATB™ Natural, which contains a proprietary ratio of anti-oxidant, anti-irritant, and anti-inflammatory agents, leaving a moisturizing feel to the skin. Microspheres, CELLULOBEADS D-10 and FLORITE PS-10 help absorb oil, give soft focus and enhance the feel.

### Notes

Active Ingredient(s)	
Zinc Oxide	5.70%
Titanium Dioxide	12.02%

SPF testing: in vivo on 3 subjects

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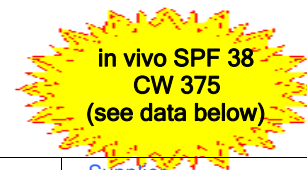
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# Natural Sunscreen Stick for Babies

Formula KSL-336



Kobo Products - formulations

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

100

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

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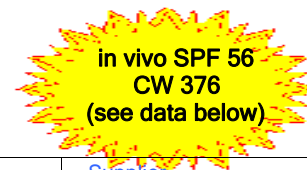
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www.koboproducts.com

# Anhydrous Sunscreen

## Formula KSL-339



Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
<b>1</b>	35.85	INQP70TMD	Titanium Dioxide (And) Isononyl Isononanoate (And) Polyhydroxystearic Acid (And) Hydrogen Dimethicone (And) Dimethicone	Kobo Products
	14.15	SALACOS® 99	Isononyl Isononanoate	Ikeda Corporation
	8.00	Dermol 25B	C12-15 Alkyl Benzoate	Alzo International Inc.
	7.00	HBTNP60ZSI	Zinc Oxide (And) Triethoxycaprylylsilane (And) Butyloctyl Salicylate (And) C12-15 Alkyl Benzoate (And) Polyhydroxystearic Acid	Kobo Products
	5.00	MSS-500W	Silica	Kobo Products
	5.00	HBP50TMD	Butyloctyl Salicylate (And) Titanium Dioxide (And) Polyhydroxystearic Acid (And) Dimethicone (And) Hydrogen Dimethicone	Kobo Products
	5.00	BPD-500W	HDI/Trimethylol Hexyllactone Crosspolymer (And) Silica	Kobo Products
	3.00	SunBoost ATB™	Argania Spinosa Kernel Oil (And) Tocopheryl Acetate (And) Bisabolol	Kobo Products
	1.00	Lipo Polyglycol® 400	PEG-8	Vantage
	0.50	Wickenol 155	Ethylhexyl Palmitate	Vertellus Performance Materials Inc.
<b>2</b>	1.50	SR1000	Trimethylsiloxysilicate	Momentive
<b>3</b>	8.90	CXG-1104	Dimethicone (And) Dimethicone/Vinyl Dimethicone Crosspolymer	Nusil/Kobo Products
	2.25	SUMECTON SAN-P	Quaternium-18 Hectorite	Kobo Products
	1.75	DSPCS/H-12	Silica (And) Ethylene/Methacrylate Copolymer (And) Isopropyl Titanium Triisostearate	Kobo Products
	1.10	PROPYLENE CARBONATE	Propylene Carbonate	Spectrum Chemical Mfg Corp.

100

### Manufacturing Procedure

1. Dissolve and disperse each Part uniformly.
2. Combine Part 2 with propeller mixing for 1 hour until homogenous.
3. 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.

### Description

This Anhydrous Sunscreen features Kobo INQP70TMD and HBP50TMD, TiO2 sunscreen dispersions. HBTN60ZSI, ZnO sunscreen dispersion helps achieve SPF. Kobo Microsphere, BPD-500W, creates a natural blurring effect that minimizes the look of lines and wrinkles and illuminates the skin. MSS-500W is a silica microsphere responsible for enhanced feel. SunBoost ATB™, which contains a proprietary ratio of anti-oxidant, anti-irritant and anti-inflammatory agents, helps boost SPF and PFA. CXG-1104 is a silicone elastomer that provides a silky, powdery feel without cyclics. DSPCS/H-12 gives a lightweight feel and helps the formula go immediately into a powder on the skin. SUMECTON SAN-P thickens and stabilizes the emulsion.

### Notes

Active Ingredient(s)	
Titanium Dioxide	23.25%
Zinc Oxide	6.42%

SPF testing: in vivo on 3 subjects

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# W/O Natural Ecocert Foundation with OD

Formula KLF-080

## Dispersions

Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
<b>1</b>	44.50	Deionized Water	Water	
	10.00	Zemea	Propanediol	Du Pont Chemicals
	1.00	Magnesium Sulfate	Magnesium Sulfate	Orient Stars LLC
<b>2</b>	9.00	Liponate® GC	Caprylic/Capric Triglyceride	Vantage
	6.00	Cetiol® CC	Dicaprylyl Carbonate	Cognis Corp.
	5.23	Myritol® 331	Cocoglycerides	Cognis Corp.
	5.00	Dehymuls® PGPH	Polyglyceryl-2 Dipolyhydroxystearate	Cognis Corp.
	1.00	Lanette® 22	Behenyl Alcohol	Cognis Corp.
	0.50	Monomuls® 90-O 18	Glyceryl Oleate	Cognis Corp.
<b>3</b>	9.15	<b>OD75CJE</b>	Titanium Dioxide (And) Octyldodecanol (And) Jojoba Esters (And) Trihydroxystearin	<b>Kobo Products</b>
	3.87	<b>OD55YJE</b>	Iron Oxides (CI 77492) (And) Octyldodecanol (And) Jojoba Esters (And) Trihydroxystearin	<b>Kobo Products</b>
	0.92	<b>OD75RJE</b>	Iron Oxides (CI 77491) (And) Octyldodecanol (And) Jojoba Esters (And) Trihydroxystearin	<b>Kobo Products</b>
	0.33	<b>OD75BJE</b>	Iron Oxides (CI 77499) (And) Octyldodecanol (And) Jojoba Esters (And) Trihydroxystearin	<b>Kobo Products</b>
<b>4</b>	0.50	Germaben® II	Propylene Glycol (And) Diazolidinyl Urea (And) Methylparaben (And) Propylparaben	ISP
<b>5</b>	3.00	<b>MSS-500W</b>	Silica	<b>Kobo Products</b>
100				

<u>Manufacturing Procedure</u>	<u>Description</u>
<ol style="list-style-type: none"> <li>Combine Part 1 and mix until Magnesium Sulfate is dissolved.</li> <li>Heat Part 2 until waxes are melted.</li> <li>Homogenize Parts 2 and 3 together to 50°C.</li> <li>Add Part 1 to Parts 2 and 3 once color is fully developed to room temperature.</li> <li>Add Parts 4 and 5 while cooling and homogenizing slowly.</li> </ol>	<p>This foundation contains Kobo's Natural, OD, Pigmentary dispersions. They contain patented NJE, Natural Jojoba Ester surface treatment that enables pigment particles to be rendered hydrophobic. NJE treatment helps to balance sebum on the skin which moisturizes dry skin while easing sebum production in oily skin. NJE pigments disperse easily, give slip, and adhere to skin. MSS-500W helps impart an elegant feel in application and a soft focus effect.</p>

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# Anti-Pollution W/Si Liquid Foundation

Formula KLF-174B

Featuring SP-500

Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
1	18.00	TNP50T7	C12-15 Alkyl Benzoate (And) Titanium Dioxide (And) Alumina (And) Polyhydroxystearic Acid (And) Hydrogen Dimethicone	Kobo Products
	15.38	Xiameter PMX-0245	Cyclopentasiloxane	Dow Corning
	11.85	FAS70USI-E	Titanium Dioxide (And) Cyclopentasiloxane (And) PEG/PPG-18/18 Dimethicone (And) Triethoxycaprylylsilane (And) Tocopheryl Acetate	Kobo Products
	3.50	DC5225C	Cyclopentasiloxane (And) PEG/PPG-18/18 Dimethicone	Dow Corning
	1.80	FAS50EYSI-E	Iron Oxides (CI 77492) (And) Cyclopentasiloxane (And) PEG/PPG-18/18 Dimethicone (And) Triethoxycaprylylsilane (And) Tocopheryl Acetate	Kobo Products
	1.50	KF-6017	PEG-10 Dimethicone	Shin Etsu
	0.30	FAS55ERSI-E	Iron Oxides (CI 77491) (And) Cyclopentasiloxane (And) PEG/PPG-18/18 Dimethicone (And) Triethoxycaprylylsilane (And) Tocopheryl Acetate	Kobo Products
	0.17	FAS60EBSI-E	Iron Oxides (CI 77499) (And) Cyclopentasiloxane (And) PEG/PPG-18/18 Dimethicone (And) Triethoxycaprylylsilane (And) Tocopheryl Acetate	Kobo Products
0.10	Propyl Paraben NF	Propylparaben	International Sourcing	
2	37.00	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	5.00	SP-500	Nylon-12	Toray/Kobo Products
100				

**Manufacturing Procedure**

1. Homogenize all ingredients of Part 1 until fully dispersed.
2. Emulsify pre-mixed Part 2 into Part 1 with a homogenizer at 3500 rpms.
3. Add Part 3 to Parts 1 and 2 slowly with homogenization at 3500 rpm.

**Description**

This Anti-Pollution Liquid Foundation features SP-500, which provides a creamy texture, offers glide-on application, and helps to provide soft focus. Kobo's Titanium Dioxide Dispersion, TNP50T7, helps to achieve SPF, while Kobo's Volatile FAS pigmentary dispersions provide good coverage and are easy to disperse into the formula.

**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) Distearidmonium Hectorite (And) Tocopheryl Acetate (And) Isopropyl Titanium Triisostearate (And) Triethoxysilylethyl Polydimethylsiloxyethyl Dimethicone	Kobo Products
2	24.00	Protachem CTG	Caprylic/Capric Triglyceride	Protameen Chemicals
	0.90	Euxyl® PE 9010	Phenoxyethanol (And) Ethylhexylglycerin	Schulke & Mayr
3	12.00	GMS-TTB4	Mica (And) Isopropyl Titanium Triisostearate (And) Triethoxysilylethyl Polydimethylsiloxyethyl Dimethicone	Kobo Products
	11.00	MSP-TK04	Polymethylsilsesquioxane (And) Titanium Dioxide	Nikko Rica/Kobo Products
	0.90	CARESS® BN06	Boron Nitride	Bent Tree/Kobo Products
	100			

### Manufacturing Procedure

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

### Description

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

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August, 2016

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# W/Si Liquid Foundation with FADM/TTB

Formula KLF-189A

## Dispersions

Part	Percent	Ingredients	INCI Name	Supplier
1	23.30	MTM3F40T7	Methyl Trimethicone (And) Titanium Dioxide (And) Alumina (And) Hydrogen Dimethicone (And) Lauryl PEG-9 Polydimethylsiloxyethyl Dimethicone	Kobo Products
	10.00	Xiameter® PMX-200 SILICONE FLUID 5CS	Dimethicone	Dow Corning
	4.80	X-22-6711D	Dimethicone (And) PEG/PPG-18/18 Dimethicone	Shin Etsu
	4.00	FADM65UTB	Titanium Dioxide (And) Dimethicone (And) PEG/Ppg-18/18 Dimethicone (And) Isopropyl Titanium Triisostearate (And) Triethoxysilylethyl Polydimethylsiloxyethyl Dimethicone (And) Tocopheryl Acetate	Kobo Products
	2.60	FADM55YTB	Iron Oxides (CI 77492) (And) Dimethicone (And) PEG/Ppg-18/18 Dimethicone (And) Isopropyl Titanium Triisostearate (And) Triethoxysilylethyl Polydimethylsiloxyethyl Dimethicone (And) Tocopheryl Acetate	Kobo Products
	2.50	SALACOS® 99	Isononyl Isononanoate	Ikeda
	2.50	KOBOGUARD® MQ65TMF	Trimethylsiloxy silicate (And) Methyl Trimethicone	Kobo Products
	2.50	Lexol® PG-865	Propylene Glycol Dicaprylate/Dicaprate	Inolex
	1.00	SUMECTON SAN-P	Quaternium-18 Hectorite	Kobo Products
	1.00	KF-6017	PEG-10 Dimethicone	Shin Etsu
	1.00	Ethyl Alcohol E1028	Ethyl Alcohol	Warner Graham
	0.75	Dow Corning 556 Fluid	Phenyl Trimethicone	Dow Corning
	0.40	FADM55RTB	Iron Oxides (CI 77491) (And) Dimethicone (And) PEG/Ppg-18/18 Dimethicone (And) Isopropyl Titanium Triisostearate (And) Triethoxysilylethyl Polydimethylsiloxyethyl Dimethicone (And) Tocopheryl Acetate	Kobo Products
	0.25	FADM60BTB	Iron Oxides (CI 77499) (And) Dimethicone (And) PEG/Ppg-18/18 Dimethicone (And) Isopropyl Titanium Triisostearate (And) Triethoxysilylethyl Polydimethylsiloxyethyl Dimethicone (And) Tocopheryl Acetate	Kobo Products
	2	37.15	Deionized Water	Water
2.00		Butylene Glycol	Butylene Glycol	Ruger Chemical Co., Inc.
1.25		Glycerin U.S.P. Natural 96%	Glycerin	Ruger Chemical Co., Inc.
1.00		Germaben® II	Propylene Glycol (And) Diazolidinyl Urea (And) Methylparaben (And) Propylparaben	ISP
1.00		Sodium Chloride	Sodium Chloride	Morton Salt
0.50		Jeecide CAP-5	Phenoxyethanol (And) Caprylyl Glycol (And) Potassium Sorbate (And) Water (And) Hexylene Glycol	Jeen International
0.50		Tween™ 20	Polysorbate 20	Croda

100

### Manufacturing Procedure

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

### Description

This W/Si Liquid Foundation features MTM3F40T7, TiO2 dispersion in methyl trimethicone, a non-D5 volatile silicone carrier with excellent skin feel. FADM/TB dispersions showcase the versatility of TTB treated pigments as they are easily incorporated into the silicone phase. SUMECTON SAN-P gives body and thickening to the oil/silicone phase. KOBOGUARD® MQ65TMF gives a flexible film and helps with the formula's wear.

### Notes

Active Ingredient(s)  
Titanium Dioxide 7.37%

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March, 2017

# O/W KoboGel™ Aqua Medium Liquid Foundation

## Formula KLF-190

Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
<b>1</b>	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
<b>2</b>	3.90	Glycerin U.S.P. Natural 96%	Glycerin	Ruger Chemical
	0.25	Keltrol® CG	Xanthan Gum	CP Kelco
<b>3</b>	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
<b>4</b>	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
<b>5</b>	4.00	SESO-CL3	Zea Mays (Corn) Starch (And) Polymethylsilsesquioxane (And) Polypropylsilsesquioxane (And) Aminopropyl Dimethicone	N&M/Kobo Products
<b>6</b>	3.90	DAITOSOL 5000SJ	Acrylates/Ethylhexyl Acrylate Copolymer (And) Water	Daito/Kobo Products
	0.85	PhenoxetoI®	Phenoxyethanol	Clariant
	0.10	TEALAN 99%	Triethanolamine	RITA Corp.
<b>7</b>	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 after feel. 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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# PT1BM Color Kit Foundation - Light Neutral

Formula KLF-222C

Shade

Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
<b>1</b>	20.00	Xiameter PMX-200 Silicone Fluid 20CS	Dimethicone	Dow Corning
	10.00	SALACOS® 99	Isononyl Isononanoate	Ikeda Corporation
	5.00	KF-6038	Lauryl PEG-9 Polydimethylsiloxyethyl Dimethicone	Shin Etsu
	3.00	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	SS4267	Dimethicone (And) Trimethylsiloxy silicate	Momentive
	1.25	Lipopeg® 100-S	PEG-100 Stearate	Vantage
	1.00	KF-6017	PEG-10 Dimethicone	Shin Etsu
	0.75	SF1555	Bis-Phenylpropyl Dimethicone	Momentive
	0.75	Dermofat 4919	Stearic Acid	Alzo International
<b>2</b>	12.05	<b>PT1BM70U</b>	Titanium Dioxide (And) Phenyl Trimethicone (And) Disteardimonium Hectorite (And) Isopropyl Titanium Triisostearate (And) 1,2-Hexanediol (And) Caprylyl Glycol (And) Silica	<b>Kobo Products</b>
	1.50	<b>PT1BM40Y</b>	Phenyl Trimethicone (And) Iron Oxides (CI 77492) (And) Silica (And) Disteardimonium Hectorite (And) Isopropyl Titanium Triisostearate (And) 1,2-Hexanediol (And) Caprylyl Glycol	<b>Kobo Products</b>
	0.30	<b>PT1BM70R</b>	Iron Oxides (CI 77491) (And) Phenyl Trimethicone (And) Disteardimonium Hectorite (And) Isopropyl Titanium Triisostearate (And) Silica (And) 1,2-Hexanediol (And) Caprylyl Glycol	<b>Kobo Products</b>
	0.15	<b>PT1BM60B</b>	Iron Oxides (CI 77499) (And) Phenyl Trimethicone (And) Disteardimonium Hectorite (And) Isopropyl Titanium Triisostearate (And) Silica (And) 1,2-Hexanediol (And) Caprylyl Glycol	<b>Kobo Products</b>
<b>3</b>	22.45	Deionized Water	Water	
	5.00	Butylene Glycol	Butylene Glycol	Ruger Chemical
	4.90	Glycerin U.S.P. Natural 96%	Glycerin	Vopak
	0.60	PHENOXYETOL	Phenoxyethanol	Chempoint
	0.60	Sodium Chloride	Sodium Chloride	Morton Salt
	0.30	Magnesium Sulfate	Magnesium Sulfate	Fisher Scientific
	0.20	Polysorbate 20	Polysorbate 20	Rita Corp.
	0.10	Allantoin	Allantoin	Jeen International
	0.10	Trisodium EDTA	Trisodium EDTA	M. Cassab
	<b>4</b>	5.00	<b>MSS-500W</b>	Silica

100

**Manufacturing Procedure**

1. Combine Parts 1 and 2 with homogenizer at 75°C.
2. Cool Parts 1 and 2 to RT while homogenizing.
3. Combine Part 3 until homogeneous.
4. Slowly add Part 3 to Parts 1 and 2 while homogenizing.
5. Slowly add Part 4 to batch while homogenizing.

**Description**

This foundation features Kobo's New PT1BM dispersions. These dispersions are easy to use in a foundation system offering good spreadability and a silky feel upon application. Silica microsphere, MSS-500W, offers an elegant feel upon application and provides a soft focus effect.

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March, 2017

Part	Percent	Ingredients	INCI Name	Supplier
<b>1</b>	5.50	Abil® WE 09	Polyglyceryl-4 Isostearate (And) Cetyl PEG/PPG-10/1 Dimethicone (And) Hexyl Laurate	Evonik
	3.65	DC 5225C	Cyclopentasiloxane (And) PEG/PPG 18/18 Dimethicone	Dow Corning
	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
<b>2</b>	14.00	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
	6.78	Xiameter® PMX-200 SILICONE FLUID 20CS	Dimethicone	Dow Corning
	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 (CI 77492) (And) Triethoxycaprylylsilane (And) Polyhydroxystearic Acid	Kobo Products
	0.40	KF-6017	PEG-10 Dimethicone	Shin-Etsu
	0.19	BWRO-11SP (C33-8001)	Iron Oxides (CI 77491) (And) Triethoxycaprylylsilane (And) Polyhydroxystearic Acid	Kobo Products
	0.12	BWBO-11SP (C33-7001)	Iron Oxides (CI 77499) (And) Triethoxycaprylylsilane (And) Polyhydroxystearic Acid	Kobo Products
<b>3</b>	28.42	Deionized Water	Water	
	10.00	CES-1104	Dimethicone (And) Water (And) Glycerin (And) Pentylene Glycol (And) Dimethicone/Vinyl Dimethicone Crosspolymer (And) Amodimethicone (And) Carbomer (And) Phenoxyethanol (And) Sodium Hydroxide (And) Disodium Edta	NuSil/Kobo Products
	2.00	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.
<b>4</b>	5.00	MSS-500W	Silica	Kobo Products
<b>5</b>	0.25	Gs-GT	Water (And) Camellia Sinensis Leaf Extract (And) Palmitoyl Hydroxypropyltrimonium Amylopectin/Glycerin Crosspolymer (And) Phenoxyethanol (And) Parabens (And) Hydrogenated Lecithin	Kobo Products
<b>6</b>	3.00	KTZ® INTERFINE GREEN	Mica (And) Titanium Dioxide	Kobo Products

100

### 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. 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. 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.

### 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.

### Notes

Active Ingredient(s)	
Zinc Oxide	2.92%
Titanium Dioxide	5.32%

SPF testing: in vivo on 3 subjects

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# Neutralizing, Oil-Absorbing, Loose Powder

## Formula KPW-027

Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
1	62.80	KoboMica Y-08	Mica	Kobo Products
	20.00	TR-2	Nylon-6	Toray/Kobo Products
	15.00	BTD-ASG2	Titanium Dioxide (And) Stearoyl Glutamic Acid	Kobo Products
	2.00	BGCO-ASG4	Chromium Oxide Greens (And) Stearoyl Glutamic Acid	Kobo Products
	0.10	Propyl Paraben NF	Propylparaben	International Sourcing
	0.10	Methyl Paraben NF	Methylparaben	International Sourcing
100				

### Manufacturing Procedure

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

### Description

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

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# Oil Absorbing Natural Pressed Powder with Formula KPP-056A **FLORITE PS-10**

Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
<b>1</b>	40.00	TALC N-NJE2	Talc (And) Jojoba Esters	Kobo Products
	39.18	GMS-NJE3	Mica (And) Jojoba Esters	Kobo Products
	7.00	RBTD-671-NJE2	Titanium Dioxide (And) Jojoba Esters	Kobo Products
	5.00	FLORITE PS-10	Calcium Silicate	Tomita/Kobo Products
	1.00	BYO-NJE3	Iron Oxides (CI 77492) (And) Jojoba Esters	Kobo Products
	0.86	BRO-NJE2	Iron Oxides (CI 77491) (And) Jojoba Esters	Kobo Products
	0.50	Lexgard® Natural	Glyceryl Caprylate (And) Glyceryl Undecylenate	Inolex Chemical Company
	0.46	BBO-NJE2	Iron Oxides (CI 77499) (And) Jojoba Esters	Kobo Products
<b>2</b>	6.00	Jojoba Oil	Simmondsia Chinensis (Jojoba) Seed Oil	Desert Whale Jojoba Co., Inc.

100

<u>Manufacturing Procedure</u>	<u>Description</u>
<ol style="list-style-type: none"> <li>Blend Part 1 through pulverizer until color is fully developed.</li> <li>Add Part 2 and blend well.</li> <li>Press at 300 psi.</li> </ol>	<p>This natural powder foundation features FLORITE PS-10, which helps to absorb oil and also gives the powder a very creamy and smooth feel on skin. Kobo's patented Natural Jojoba Ester-treated pigments and powders (NJE) give great feel, even application, and good adherence on the skin, contributing to long wear.</p>

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# Pressed Powder Foundation

## Formula KPP-102A

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 (CI 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 (CI 77491) (And) Isopropyl Titanium Triisostearate (And) Triethoxysilylethyl Polydimethylsiloxyethyl Dimethicone	Kobo Products
	1.00	BGBO-TTB2	Iron Oxides (CI 77499) (And) Triethoxysilylethyl Polydimethylsiloxyethyl Dimethicone (And) Isopropyl Titanium Triisostearate	Kobo Products
	2	2.50	Xiameter® PMX-200 SILICONE FLUID 20CS	Dimethicone
2.50		Lexol® PG-865	Propylene Glycol Dicaprylate/Dicaprate	Inolex
2.00		Xiameter® PMX-200 SILICONE FLUID 350 CS	Dimethicone	Dow Corning
1.00		SS4267	Dimethicone (And) Trimethylsiloxy silicate	Momentive

100

### Manufacturing Procedure

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

### Description

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

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March, 2017

# KOBO

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# Creamy Pressed Powder with KoboBlur™ 100

Formula KPP-104A

Natural

Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
1	70.48	GMS-ASG3	Mica (And) Stearoyl Glutamic Acid	Kobo Products
	10.00	KoboBlur™ 100 Natural	Silica (And) Cellulose (And) Mica (And) Barium Sulfate (And) Titanium Dioxide (And) Jojoba Esters	Kobo Products
	7.00	BTD-ASG2	Titanium Dioxide (And) Stearoyl Glutamic Acid	Kobo Products
	2.20	ZINC MYRISTATE	Zinc Myristate	Kobo Products
	1.00	BYO-ASG3	Iron Oxides (CI 77492) (And) Stearoyl Glutamic Acid	Kobo Products
	0.86	BRO-ASG3	Iron Oxides (CI 77491) (And) Stearoyl Glutamic Acid	Kobo Products
	0.46	BBO-ASG3	Iron Oxides (CI 77499) (And) Stearoyl Glutamic Acid	Kobo Products
2	2.50	Xiameter® PMX-200 SILICONE FLUID 20CS	Dimethicone	Dow Corning
	2.50	Lexol® PG-865	Propylene Glycol Dicaprylate/Dicaprate	Inolex Chemical Company
	2.00	Xiameter® PMX-200 SILICONE FLUID 350 CS	Dimethicone	Dow Corning
	1.00	SS4267	Dimethicone (And) Trimethylsiloxysilicate	Momentive

100

### Manufacturing Procedure

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

### Description

This pressed powder applies smoothly as a result of Kobo's ASG treated materials to provide a soft, velvet-like feel in combination with KoboBlur™ 100 Natural to enhance product payoff. KoboBlur™ 100 Natural gives a soft powdery after feel with soft focus effect. Powder compressibility is addressed with dry binder, ZINC MYRISTATE.

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March, 2017

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# KTZ® EBONY Pearlescent Eye Shadow - Midnight

Formula KEY-062F

## 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 (CI 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	Xiameter® PMX-200 SILICONE FLUID 1000 CS	Dimethicone	Dow Corning
	3.37	ELEMENT14 PDMS 100	Dimethicone	Momentive
	3.36	Xiameter® PMX-200 SILICONE FLUID 20 CS	Dimethicone	Dow Corning
3	10.00	KOBOPEARL® PERPETUAL LUSTER GreenBlue	Synthetic Fluorophlogopite (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. KTZ® EBONY adds a dark undertone to help the KOBOPEARL® PERPETUAL LUSTER GreenBlue stand out when applied. SERICITE GMS-4C is a creamy Mica that helps the formula glide onto the lid and offers a subtle sheen.

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March, 2017

# KOBO

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# Green Hot Pour Eye Shadow with ASG Treatment

## Formula KEY-064E

Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
<b>1</b>	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
<b>2</b>	3.00	Wickenol 155	Ethylhexyl Palmitate	Alzo International Inc.
<b>3</b>	26.00	Vegeight 1214 LC	Coconut Alkanes (And) Coco-Caprylate/Caprate	Grant Industries, Inc.
	7.50	DC 556 Fluid	Phenyl Trimethicone	Dow Corning
	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.	
<b>4</b>	8.50	KOBOPEARL® PERPETUAL IO GreenRed	Synthetic Fluorphlogopite (And) Silica (And) Iron Oxides (CI 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
<b>5</b>	5.00	CXG-1104	Dimethicone (And) Dimethicone/Vinyl Dimethicone Crosspolymer	NuSil/Kobo Products

100

### Manufacturing Procedure

1. Blend Part 1 and pass through a micronizer until the color is fully dispersed.
2. Add Part 2 to Part 1 and blend until fully dispersed.
3. Heat Part 3 with stirring to 80°C.
4. Add Parts 1 and 2 to Part 3 and mix until homogenous. Add Part 4.
5. Add Part 5.
6. Continue to mix until uniform while maintaining temperature.
7. 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. 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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March, 2017

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# Plush Mascara

## Formula KMA-053

Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
<b>1</b>	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	<b>KOBOGUARD® 5400 SQ</b>	Hydrogenated Polycyclopentadiene (And) Squalane	<b>Kobo Products</b>
	1.00	Liposorb® SQO	Sorbitan Sesquioleate	Vantage
<b>2</b>	39.45	Deionized Water	Water	
	11.00	<b>W60BBNFAP-O</b>	Iron Oxides (CI 77499) (And) Water (And) Ammonium Polyacrylate	<b>Kobo Products</b>
	1.00	Triethanolamine 99	Triethanolamine	Dow Chemical
	0.30	Natrosol® 250 HHR CS	Hydroxyethylcellulose	Hercules/Aqualon
<b>3</b>	4.00	<b>KNY-3D</b>	Nylon-66 (And) Titanium Dioxide	<b>Kobo Products</b>
	1.00	Deionized Water	Water	
	1.00	<b>DSPCS-I2</b>	Silica (And) Ethylene/Methacrylate Copolymer (And) Isopropyl Titanium Triisostearate	<b>Kobo Products</b>
	0.60	Glydant Plus™	DMDM Hydantoin (And) Iodopropynyl Butylcarbamate	Lonza
	0.15	Germall® 115	Imidazolidinyl Urea	ISP
<b>4</b>	15.00	<b>WSJ22BNF-O</b>	Water (And) Acrylates/Ethylhexyl Acrylate Copolymer (And) Iron Oxides (CI 77499) (And) Sodium Acrylate/Sodium Acryloyldimethyl Taurate Copolymer (And) Aminomethyl Propanol	<b>Kobo Products</b>
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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www.koboproducts.com

# Anhydrous Mascara with PT1BM60B

## Formula KMA-060B

Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
<b>1</b>	20.60	CPF-3300@10cSt	Phenyl Trimethicone	NuSil/Kobo Products
	5.00	DC 556	Phenyl Trimethicone	Dow Corning
	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 (CI 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
<b>2</b>	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
<b>3</b>	19.90	PT1BM60B	Iron Oxides (CI 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. Phenyl Trimethicone CPF-3300@10cSt improves spreadability and the formula's feel upon application.

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March, 2017

# KOBO

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# Natural Mascara

## Formula KMA-069-EU

Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
<b>1</b>	10.00	WHITE BEESWAX PASTILLES	Beeswax	Strahl & Pitsch / Rossow
	4.00	Lipocire™ A	Hydrogenated Palm Kernel Glycerides (And) Hydrogenated Palm Glycerides	Gattefosse
	4.00	Emulium® Mellifera	Polyglyceryl-6 Distearate (And) Jojoba Esters (And) Polyglyceryl-3 Beeswax (And) Cetyl Alcohol	Gattefosse
	3.00	Acticire®	Jojoba Esters (and) Acacia Decurrens Flower Wax (and) Helianthus Annuus (Sunflower) Seed Wax (and) Polyglycerin-3	Gattefosse
	2.00	Carnauba Wax SP 63P	Copernicia Cerifera (Carnauba) Wax	Strahl & Pitsch / Rossow
	0.30	Axol C62	Glyceryl stearate citrate	Evonik
<b>2</b>	8.00	<b>BLACK NF</b>	Iron Oxides (CI 77499)	<b>Kobo Products</b>
<b>3</b>	61.30	Deionized Water	Water	
	3.00	Glycérine Codex 99,5%	Glycerin	Interchimie
	1.00	Solagum AX	Acacia Senegal Gum (And) Xanthan Gum	seppic
<b>4</b>	2.00	<b>CELL-U-LASH™ 150</b>	Cellulose	<b>Kobo Products</b>
<b>5</b>	1.00	Hydrolite® 5	Pentylene Glycol	Symrise
	0.20	Symdiol 68	1,2-Hexanediol (And) Caprylyl Glycol	Symrise
<b>6</b>	0.20	Vitamin E-Acetate Care	Tocopheryl Acetate	BASF
100				

### Manufacturing Procedure

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

### Description

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

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December, 2016

**KOBO**

www.koboproducts.com

# Lipstick Emulsion with TTB

## Formula KLP-101A

Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
<b>1</b>	8.08	Xiameter PMX-200 Silicone Fluid 1000CS	Dimethicone	Dow Corning
	8.06	<b>RED 7CA C-TTB2</b>	Red 7 Lake (And) Isopropyl Titanium Triisostearate (And) Triethoxysilylethyl Polydimethylsiloxyethyl Dimethicone	<b>Kobo Products</b>
	6.18	Xiameter PMX-200 Silicone Fluid 50CS	Dimethicone	Dow Corning
	5.67	<b>RED 6BA S-TTB2</b>	Red 6 Lake (And) Isopropyl Titanium Triisostearate (And) Triethoxysilylethyl Polydimethylsiloxyethyl Dimethicone	<b>Kobo Products</b>
	0.47	<b>YELLOW 5AL S-TTB2</b>	Yellow 5 Lake (And) Isopropyl Titanium Triisostearate (And) Triethoxysilylethyl Polydimethylsiloxyethyl Dimethicone	<b>Kobo Products</b>
	0.04	<b>BLUE 1AL S-TTB6</b>	Blue 1 Lake (And) Isopropyl Titanium Triisostearate (And) Triethoxysilylethyl Polydimethylsiloxyethyl Dimethicone	<b>Kobo Products</b>
<b>2</b>	16.20	SF1202	Cyclopentasiloxane	Momentive
	7.50	Parsol® MCX	Ethylhexyl Methoxycinnamate	DSM Nutritional Products
	5.00	<b>SunBoost ATB™</b>	Argania Spinosa Kernel Oil (And) Tocopheryl Acetate (And) Bisabolol	<b>Kobo Products</b>
	5.00	SF1528	Cyclopentasiloxane (And) PEG/PPG-20/15 Dimethicone	Momentive
	2.50	SS4230	Cyclopentasiloxane (And) Trimethylsiloxy silicate	Momentive
	1.00	SF1555	Bis-Phenylpropyl Dimethicone	Momentive
	0.50	SFE839	Cyclopentasiloxane (And) Dimethicone/Vinyl Dimethicone Crosspolymer	Momentive
	<b>3</b>	25.10	Deionized Water	Water
	5.00	Ethyl Alcohol E1028	Ethyl Alcohol	VWR Scientific Products
	1.20	Glycerin U.S.P. Natural 96%	Glycerin	Cognis
	1.00	Butylene Glycol	Butylene Glycol	Ruger Chemical
	0.60	Paragon® MEPB	Phenoxyethanol (And) Methyl Paraben (And) Ethyl Paraben (And) Propyl Paraben (And) Butyl Paraben	McIntyre Group, Ltd.
	0.60	Sodium Chloride	Sodium Chloride	Morton Salt
	0.30	Liposorb® L-20	Polysorbate 20	Vantage
100				

### Manufacturing Procedure

1. Premix the TTB pigments and dimethicone in Part 1. Mix until uniform with homogenization.
2. Premix Part 2, the main beaker. Homogenize and add in Part 1. Homogenize at 4500 rpm.
3. Premix Part 3. Slowly add Part 3 into Parts 1 and 2 under homogenizer.

Note: Keep batch in cool water bath while homogenizing due to over heating.

### Description

This TTB Lipstick emulsion glides onto lips effortlessly with lush, vivid color. Kobo's TTB-Treated Organic Pigments in this formula show the ease of using. SunBoost ATB™ is a proprietary blend of antioxidants, anti-irritant, and anti-inflammatory agents used in this formula for moisturizing effects.

### Notes

Active Ingredient(s)	
Ethylhexyl Methoxycinnamate	7.50%

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# KOBO

www.koboproducts.com

# Natural Butter Lipstick with OD Dispersions

## Formula KLP-125

Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
1	50.25	Protachem CTG	Caprylic/Capric Triglyceride	Protameen
	14.75	OD75CJE	Titanium Dioxide (And) Octyldodecanol (And) Jojoba Esters (And) Trihydroxystearin	Kobo Products
	13.25	OD75RJE	Iron Oxides (CI 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

### Manufacturing Procedure

1. Combine all of Part 1 ingredients and prop mix at 80°C until homogenous.
2. Pour into mold at @65°C.

### Description

This all-natural Lipstick contains Kobo's, OD Pigmentary dispersions, made with patented, NJE, Natural Jojoba Ester surface treated pigments. The dispersions impart a soft and creamy texture to the lipstick.

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**KOBO**

www.koboproducts.com

April, 2016

25

# W/Si High Intensity Matte Liquid Lipstick with

Formula KLP-136B

## PMLVP Dispersions

Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier	
1	17.50	Permethyl® 99A	Isododecane	Presperse	
	15.20	PMLVP75C	Titanium Dioxide (And) Isododecane (And) Isohexadecane (And) Isopropyl Titanium Triisostearate (And) Lecithin (And) Ethylene/Propylene/Styrene Copolymer (And) Polyhydroxystearic Acid (And) Butylene/Ethylene/Styrene Copolymer	Kobo Products	
	10.90	PMLVP75R	Iron Oxides (CI 77491) (And) Isododecane (And) Isohexadecane (And) Lecithin (And) Polyhydroxystearic Acid (And) Ethylene/Propylene/Styrene Copolymer (And) Butylene/Ethylene/Styrene Copolymer (And) Isopropyl Titanium Triisostearate	Kobo Products	
	2.50	MSS-500W	Silica	Kobo Products	
	2.50	CARESS® BN09	Boron Nitride	Bent Tree/Kobo Products	
	2.40	KF-6106	Polyglyceryl-3 Polydimethylsiloxyethyl Dimethicone	Shin Etsu	
	1.60	PMLVP70UB	Ultramarines (And) Isododecane (And) Isohexadecane (And) Lecithin (And) Polyhydroxystearic Acid (And) Ethylene/Propylene/Styrene Copolymer (And) Butylene/Ethylene/Styrene Copolymer (And) Triethoxycaprylylsilane	Kobo Products	
	1.20	Abil® EM 90	Cetyl PEG/PPG-10/1 Dimethicone	Evonik	
	0.80	Euxyl® PE 9010	Phenoxyethanol (And) Ethylhexylglycerin	Schulke & Mayr	
	0.60	DC 5225C	Cyclopentasiloxane (And) PEG/PPG 18/18 Dimethicone	Dow Corning	
	0.30	FLORITE PS-10	Calcium Silicate	Tomita/Kobo Products	
	2	16.10	Deionized Water	Water	
		3.60	Butylene Glycol	Butylene Glycol	Pride Solvents & Chemicals Co. of NJ, Inc.
1.80		Glycerin U.S.P. Natural 96%	Glycerin	Univar USA Inc.	
0.60		Sodium Chloride	Sodium Chloride	Morton Salt	
0.60		Phenoxyetol	Phenoxyethanol	Clariant	
0.30		Magnesium Sulfate	Magnesium Sulfate	Orient Stars LLC	
0.20		Liposorb® L-20	Polysorbate 20	Vantage Chemicals	
0.10		Trisodium EDTA	Trisodium EDTA	Protameen	
0.10		ALLANTOIN	Allantoin	Jeen International	
3	16.10	CXG-1104	Dimethicone (And) Dimethicone/Vinyl Dimethicone Crosspolymer	Nusil/Kobo Products	
	2.50	BPD-500W	HDI/Trimethylol Hexyllactone Crosspolymer (And) Silica	Kobo Products	
	2.50	SP-10	Nylon-12	Toray/Kobo Products	
100					

### Manufacturing Procedure

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

### Description

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

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March, 2017

# KOBO

www.koboproducts.com

# Vivid Blue Metallic Effect Lipstick

## Formula KLP-145

Kobo Products - Formulations

Part	Percent	Ingredients	INCI Name	Supplier
<b>1</b>	15.33	Eutanol® G	Octyldodecanol	Henkel
	15.20	Jeechem CTG	Caprylic/Capric Triglyceride	Jeen International
	9.20	Floraesters® 70	Jojoba Esters	Essential Ingredients
	7.41	<b>BLUE 1AL-ASG4</b>	Blue 1 Lake (And) Stearoyl Glutamic Acid	<b>Kobo Products</b>
	5.00	Squalane NF	Squalane	Barnet
	4.20	CASTOR OIL USP GRADE	Ricinus Communis (Castor) Seed Oil	Alzo International Inc.
	4.00	Lanolin Technical Grade	Lanolin	Rita Corporation
	2.33	<b>BTD-ASG2</b>	Titanium Dioxide (And) Stearoyl Glutamic Acid	<b>Kobo Products</b>
	2.10	Cegesoft® SB	Butyrospermum Parkii (Shea) Butter	BASF
	1.00	Lexgard® Natural	Glyceryl Caprylate (And) Glyceryl Undecylenate	Inolex
	0.42	<b>YELLOW 5AL-ASG4</b>	Yellow 5 Lake (And) Stearoyl Glutamic Acid	<b>Kobo Products</b>
0.11	<b>RED 7CA D-ASG4</b>	Red 7 Lake (And) Stearoyl Glutamic Acid	<b>Kobo Products</b>	
<b>2</b>	5.40	Candelilla Wax SP 75	Euphorbia Cerifera (Candelilla) Wax	Olvea
	4.20	Beeswax White Sp 422P	Beeswax	Strahl & Pitsch
	2.50	Carnauba Wax SP 63P	Copernicia Cerifera (Carnauba) Wax	Strahl & Pitsch
<b>3</b>	8.30	<b>KTZ® FINE WHITE</b>	Mica (And) Titanium Dioxide	<b>Kobo Products</b>
	8.30	<b>KOBOPEARL® PERPETUAL SHEEN BlueViolet</b>	Synthetic Fluorhlogopite (And) Silica (And) Titanium Dioxide	<b>Kobo Products</b>
	4.00	<b>KTZ® JAIPUR SUNSET</b>	Titanium Dioxide (And) Mica (And) Iron Oxides (CI 77491)	<b>Kobo Products</b>
	1.00	<b>MSS-500W</b>	Silica	<b>Kobo Products</b>

100

### Manufacturing Procedure

1. Combine Part 1. Homogenize at 4200rpm for 10min.
2. Heat Part 1 to 85°C and add Part 2 - prop mix until homogenous.
3. Slowly add Part 3 to batch - continue mixing at 85°C until homogenous.
4. Pour into mold.

### Description

This metallic lipstick features ASG treated pigments, with an amino acid coating that offers hydrophobic properties. It gives a great creamy feel, especially in this formulation. KOBOPEARL® PERPETUAL SHEEN BlueViolet gives a pearlescent effect to this metallic formulation. KTZ® FINE WHITE imparts some sheen for a natural glow. KTZ® JAIPUR SUNSET helps to impart the metallic effect. MSS-500W is a silica microsphere that improves payoff while filling in the lines on the lip for a more even application.

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December, 2016

# **KOBO**

www.koboproducts.com

# PT1BM Color Kit Lipstick - Pale Pink Shade

## Formula KLP-148A

Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
1	28.90	PT1BM70U	Titanium Dioxide (And) Phenyl Trimethicone (And) Disteardimonium Hectorite (And) Isopropyl Titanium Triisostearate (And) 1,2-Hexanediol (And) Caprylyl Glycol (And) Silica	Kobo Products
	10.15	Softisan® 645	Bis-Diglyceryl Polyacyladipate-1	Sasol
	10.00	KOBOGUARD® 5400 CCT	Hydrogenated Polycyclopentadiene (And) Caprylic/Capric Triglyceride	Kobo Products
	7.70	COSMOL™ 222	Diisostearyl Malate	Ikeda Corporation
	7.50	CPF-3300@10cSt	Phenyl Trimethicone	NuSil/Kobo Products
	4.60	SALACOS® WO-6	Dipentaerythrityl Tri-Polyhydroxystearate	Ikeda Corporation
	4.00	Lanolin Technical Grade	Lanolin	Rita Corporation
	3.85	COSMOL™ 168ARV	Dipentaerythrityl Hexahydroxystearate/Hexastearate/Hexarosinate	Ikeda Corporation
	3.00	Petroleum G-1958	Petrolatum	Ruger Chemical
	3.00	MSS-500/N	Silica	Kobo Products
	0.50	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
	0.40	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
	0.20	PT1BM60B	Iron Oxides (CI 77499) (And) Phenyl Trimethicone (And) Disteardimonium Hectorite (And) Isopropyl Titanium Triisostearate (And) Silica (And) 1,2-Hexanediol (And) Caprylyl Glycol	Kobo Products
	0.10	Methyl Paraben NF	Methylparaben	International Sourcing
0.10	Propyl Paraben NF	Propylparaben	International Sourcing	
2	8.00	Ozokerite Wax White SP 1020P	Ozokerite	Strahl & Pitsch
	4.00	Lipowax® D	Cetearyl Alcohol (And) Ceteareth-20	Vantage
	4.00	Microcrystalline Wax SP-89	Microcrystalline Wax	Strahl & Pitsch

100

### Manufacturing Procedure

- Combine Part 1 under homogenizer until color is fully developed.
- Add Part 2 to batch and heat to 80°C under prop mixing until homogenous.

Note: Continuously mix before and after pouring each mold.

### Description

This lipstick features Kobo's New PT1BM dispersions. These dispersions are easy to use in a lipstick system offering good spreadability and a silky feel upon application. KOBOGUARD® 5400 CCT helps to enhance adhesion of the formula onto the lips. NuSil's Phenyl Trimethicone CPF-3300@10cSt helps give the lipstick improved payoff as well as shine. MSS-500/N gives an excellent application and soft focus effect to help blur the appearance of lines and wrinkles on the lips.

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March, 2017

**KOBO**

www.koboproducts.com



# High Shine Red Lip Gloss with INBP50R28U

## Formula KLG-081

Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
<b>1</b>	26.20	Panalene® H-300E	Hydrogenated Polyisobutene	Lipo Chemicals
	13.00	<b>INBP50R28U</b>	Red 28 Lake (And) Isononyl Isononanoate (And) Isopropyl Myristate (And) Stearalkonium Hectorite (And) Isopropyl Titanium Triisostearate (And) Propylene Carbonate (And) Polyhydroxystearic Acid	<b>Kobo Products</b>
	12.70	COSMOL™ 222	Diisostearyl Malate	Ikeda Corp.
	4.40	SALACOS® 99	Isononyl Isononanoate	Ikeda Corp.
	3.50	SALACOS® 5418V	Pentaerythrityl Tetraisostearate	Ikeda Corp.
	3.50	Liponate® IPM	Isopropyl Myristate	Vantage
	2.60	Petrolatum	Petrolatum	Parchem Trading
	1.71	Shea Butter	Shea Butter	BASF
	1.71	Lanolin Technical Grade	Lanolin	RITA Corp.
	1.00	Phenoxyethanol	Phenoxyethanol	Clariant
<b>2</b>	3.90	<b>MSS-500/3H</b>	Silica	<b>Kobo Products</b>
	0.80	WATERMELON (FL) CE-181464	Fragrance	Custom Essence
<b>3</b>	21.55	<b>GMS-I2</b>	Mica (And) Isopropyl Titanium Triisostearate	<b>Kobo Products</b>
	2.60	<b>BPD-500</b>	HDI/Trimethylol Hexyllactone Crosspolymer (And) Silica	<b>Kobo Products</b>
	0.83	<b>DSPCS/20N-I2</b>	Silica (And) Ethylene/Methacrylate Copolymer (And) Isopropyl Titanium Triisostearate	<b>Kobo Products</b>
100				

### Manufacturing Procedure

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

### Description

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

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# **KOBO**

www.koboproducts.com

# Anti-Aging Mask

## Formula KFL-079A

Kobo Products - Formulations

Part	Percent	Ingredients	INCI Name	Supplier
<b>1</b>	50.00	<b>KOBOGUARD® 50AMP</b>	Acrylates/Ethylhexyl Acrylate Copolymer (And) Water (And) Aminomethyl Propanol	<b>Kobo Products</b>
	25.60	Deionized Water	Water	
	5.00	Denatured Ethanol	Alcohol	Brenntag Specialties
	3.00	Glycerin U.S.P. Natural 96%	Glycerin	Ruger Chemical Co., Inc.
	3.00	Butylene Glycol	Butylene Glycol	Ruger Chemical Co., Inc.
	2.00	<b>Gs-VACE</b>	Butylene Glycol (And) Water (And) Palmitoyl Hydroxypropyltrimonium Amylopectin/Glycerin Crosspolymer (And) Phenoxyethanol (And) Ascorbic Acid (And) Parabens (And) Hydrogenated Lecithin (And) Tocopherol (And) Polysorbate 20 (And) Retinol (And) BHT (And) BHA	<b>Kobo Products</b>
	2.00	<b>Cn-HAHWS</b>	Water (And) Pentylene Glycol (And) Palmitoyl Hydroxypropyltrimonium Amylopectin/Glycerin Crosspolymer (And) 1,2-Hexanediol (And) Caprylyl Glycol (And) Sodium Hyaluronate (And) Hydrogenated Lecithin	<b>Kobo Products</b>
<b>2</b>	5.00	Dermol IPIS	Isopropyl Isostearate	Alzo International Inc.
	4.00	Simulgel™ NS	Hydroxyethyl Acrylate/Sodium Acryloyldimethyl Taurate Copolymer (and) Squalane (and) Polysorbate 60	Natura
	0.40	Douceur Naturelle 18	Fragrance	Givaudan/Brenntag
100				

### Manufacturing Procedure

1. Add Part 1 in main tank and mix with propeller until uniform.
2. Pre-mix Part 2 and mix until uniform.
3. Add Part 2 to Part 1 and mix until uniform using propeller mixing.

### Description

Apply a thick layer of Anti-Aging Gel-cream Mask for 10 min, then rinse off. It features KOBORGUARD® 50AMP, water dispersible polymer that helps with skin adhesion of the formula and peel-off removal. Cn-HAHWS contains Sodium Hyaluronate to help provide hydration to the skin, and Glycosphere Gs-VACE contains Ascorbic Acid, Retinol and Tocopherol to help provide anti-aging properties.

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March, 2017

**KOBO**

www.koboproducts.com

# Hydra Mist

## Formula KFL-107-EU

Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
<b>1</b>	83.95	Deionized Water	Water	
	0.05	Dissolvine® NA2	Disodium EDTA	Akzo Nobel
<b>2</b>	5.00	Glycérine Codex 99,5%	Glycerin	Interchimie
	5.00	Butylene Glycol	Butylene Glycol	Interchimie
<b>3</b>	1.00	Glucam™ E-10	Methyl Gluceth-10	Lubrizol / Unipex
<b>4</b>	3.00	<b>Cn-HAHWS</b>	Water (And) Pentylene Glycol (And) Palmitoyl Hydroxypropyltrimonium Amylopectin/Glycerin Crosspolymer (And) 1,2-Hexanediol (And) Caprylyl Glycol (And) Sodium Hyaluronate (And) Hydrogenated Lecithin	<b>Kobo Products</b>
	1.00	<b>Cn-UR1000S</b>	Water (And) Urea (And) Pentylene Glycol (And) Palmitoyl Hydroxypropyltrimonium Amylopectin/Glycerin Crosspolymer (And) 1,2-Hexanediol (And) Caprylyl Glycol (And) Hydrogenated Lecithin	<b>Kobo Products</b>
<b>5</b>	1.00	Microcare® PHC	Phenoxyethanol (and) Chlorphenesin (and) Glycerin	Thor Personal Care
100				

### Manufacturing Procedure

1. Add Part 2 to Part 1 under propeller agitation.
2. Add Part 3 to the bulk.
3. Add Part 4 to the bulk.
4. Add Part 5 to the bulk.

### Description

This Hydra Mist can be used after cleansing and before your cream or at any time of the day for a shot of moisture. The formula showcases Kobo's Delivery systems, Glycospheres Cn-HAHWS and Cn-UR1000S, containing Sodium Hyaluronate and Urea, to help provide hydration to the skin.

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**KOBO**

www.koboproducts.com

# Light Cushioned Blurring Primer

## Formula KFL-111

Kobo Products - formulations

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

100

### Manufacturing Procedure

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

### Description

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

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www.koboproducts.com

# Clay Face Mask

## Formula KFL-112A

Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
1	42.10	Deionized Water	Water	
2	2.00	Butylene Glycol	Butylene Glycol	Ruger Chemical
	2.00	Glycerin U.S.P. Natural 96%	Glycerin	Cognis Corp.
	0.30	Keltrol® CG	Xanthan Gum	CP Kelco
3	10.50	Xiameter® PMX-200 SILICONE FLUID 350CS	Dimethicone	Dow Corning
	10.00	KAOLIN	Kaolin	Imerys
	5.00	SunBoost ATB™	Argania Spinosa Kernel Oil (And) Tocopheryl Acetate (And) Bisabolol	Kobo Products
	2.50	SP-10	Nylon-12	Toray/Kobo Products
	2.50	Lipopeg® 100-S	PEG-100 Stearate	Lipo Chemicals
	1.50	Lipo® GMS-450	Glyceryl Stearate	Vantage
	1.50	Lanette® O	Cetearyl Alcohol	BASF
	4	1.50	Ethyl Alcohol E1028	Ethyl Alcohol
5	5.00	BTD-ASG2	Titanium Dioxide (And) Stearoyl Glutamic Acid	Kobo Products
	5.00	Xiameter® PMX- 0245	Cyclopentasiloxane	Dow Corning
	3.00	Bentone Gel VS-5 PC V	Cyclopentasiloxane (And) Disteardimonium Hectorite (And) Propylene Carbonate	Elementis Specialties
	0.90	Euxyl® PE 9010	Phenoxyethanol (And) Ethylhexylglycerin	Schulke & Mayr
	0.40	BBO-ASG3	Iron Oxides (CI 77499) (And) Stearoyl Glutamic Acid	Kobo Products
6	3.00	Glycerin U.S.P. Natural 96%	Glycerin	Cognis Corp.
	0.30	AQUA KEEP 10SH-NFC	Sodium Acrylates Crosspolymer-2	Kobo Products
7	0.50	Gs-VE	Water (And) Palmitoyl Hydroxypropyltrimonium Amylopectin/Glycerin Crosspolymer (And) Phenoxyethanol (And) Tocopherol (And) Parabens (And) Hydrogenated Lecithin	Kobo Products
	0.50	Gs-GT	Water (And) Camellia Sinensis Leaf Extract (And) Palmitoyl Hydroxypropyltrimonium Amylopectin/Glycerin Crosspolymer (And) Phenoxyethanol (And) Parabens (And) Hydrogenated Lecithin	Kobo Products
100				

### Manufacturing Procedure

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

### Description

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

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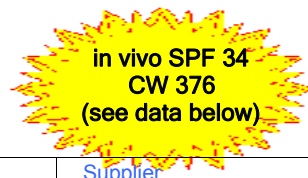
March, 2017

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# UV Hand Lotion

## Formula KFL-114A



Kobo Products - formulations

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

<p><b>Manufacturing Procedure</b></p> <ol style="list-style-type: none"> <li>In main beaker, add Part 3. Heat to 70°C and homogenize.</li> <li>In side beaker, add Part 1 and heat to 70°C.</li> <li>Add Part 2 to Part 1 and mix until uniform.</li> <li>Add combined Parts 1 and 2 to main beaker under homogenizer at 70°C.</li> <li>Start cooling and slowly add Part 4 under homogenization.</li> <li>Switch to side sweep mixing and slowly add Part 5 ingredients, one at a time, while cooling.</li> </ol>	<p><b>Description</b></p> <p>This UV hand lotion, has Zinc Oxide dispersion GC70MZCSG and Titanium Dioxide dispersion HBTN55TIS-EU to give broad spectrum protection. Nusil's CES-1104 is an encapsulated elastomer gel that can be added to the water phase or post emulsification. Upon application the encapsulated CES materials break and offer an initial refreshing feel that is followed by a velvety silicone after feel. CPF-3300@10cSt and CSF-3100@20cSt, are silicone fluids that can improve spreadability and the formula's feel upon application. Microspheres MST-547 and MSS-500/20N add soft focus to the formula and a nice feel when applied. SunBoost ATB™, a proprietary blend of antioxidant, anti-irritant and anti-inflammatory agents, will help boost SPF and give skin care claims. Glycosphere Gs-GT Green tea extract, is a free-radical scavenger for anti-inflammatory properties.</p>
	<p><b>Notes</b></p> <p>SPF testing: in vivo on 3 subjects</p>

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# Natural Brightening Face and Eye Balm with

Formula KFL-118A

## KoboBlur™ 100 Natural

Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
<b>1</b>	23.16	Protachem™ CTG	Caprylic/Capric Triglyceride	Protameen
	14.80	Castor Oil	Ricinus Communis (Castor) Seed Oil	Arista Industries, Inc.
	9.00	JOS10M5	Simmondsia Chinensis (Jojoba) Seed Oil (And) Silica	Kobo Products
	5.00	SunBoost ATB™ Natural	Argania Spinosa Kernel Oil (And) Tocopheryl Acetate (And) Bisabolol	Kobo Products
	2.50	BTD-ASG2	Titanium Dioxide (And) Stearoyl Glutamic Acid	Kobo Products
	0.12	YELLOW 5AL-ASG4	Yellow 5 Lake (And) Stearoyl Glutamic Acid	Kobo Products
	0.12	BRO-ASG3	Iron Oxides (CI 77491) (And) Stearoyl Glutamic Acid	Kobo Products
<b>2</b>	5.00	Candelilla Wax	Euphorbia Cerifera (Candelilla) Wax	Frank B. Ross
	5.00	Beeswax White SP 422P	Beeswax	Strahl & Pitsch
	3.00	Lanolin Technical Grade	Lanolin	RITA Corp.
	2.50	Shea Butter	Shea Butter	BASF
	2.00	Carnauba Wax SP 63P	Copernicia Cerifera (Carnauba) Wax	Frank B. Ross
	1.00	Lexgard® Natural	Glyceryl Caprylate (And) Glyceryl Undecylenate	Inolex
<b>3</b>	13.80	KoboMica L-24	Mica	Kobo Products
	10.00	KoboBlur™ 100 Natural	Silica (And) Cellulose (And) Mica (And) Barium Sulfate (And) Titanium Dioxide (And) Jojoba Esters	Kobo Products
	3.00	KTZ® XIAN VISTAS	Titanium Dioxide (And) Mica (And) Iron Oxides (CI 77491)	Kobo Products
100				

### Manufacturing Procedure

1. Combine Part 1 and homogenize until pigments are dispersed.
2. Add Part 2 to Part 1. Prop mix and heat until waxes are melted.
3. Slowly add Part 3.
4. Mix slowly while cooling to reduce air bubble formation. Pour at 65°C.

### Description

This all-natural, brightening, balm stick gives excellent soft focus as well as a powdery after feel due to Kobo's Microsphere Complex, KoboBlur™ 100 Natural. It also features SunBoost ATB™ Natural, which contains a proprietary ratio of anti-oxidant, anti-irritant, and anti-inflammatory agents, leaving a moisturizing feel to the skin. JOS10M5 gives structure and emolliency to the stick. This balm has a peach tint due to ASG treated pigments. This treatment is an amino acid coating that imparts a moist, creamy feel to the skin. KoboMica L-24 gives a natural sheen and luster as well as excellent skin adhesion and slip upon application. KTZ® XIAN VISTAS is a pearlescent pigment specially designed to neutralize dark circles.

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March, 2017

**KOBO**

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# Kiwi Shower Gel

## Formula KCL-016-EU

Kobo Products - formulations

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

100

### Manufacturing Procedure

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

### Description

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

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### Formulations

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# The Powder & Dispersion Specialist

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