

# FORMULARY

in-cosmetics™ Asia 2019

**KOBO**

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# KSL-307D-BR Ultra Light Sunscreen



%	INGREDIENT	INCI NAME	SUPPLIER
<b>Part 1</b>			
55.75	Deionized Water	Water	
<b>Part 2</b>			
3.00	Glicerina	Glicerina	Mapric
1.00	Liposorb® L-20	Polysorbate 20	Vantage
0.15	Goma Xantana	Xanthan Gum	M. Cassab
<b>Part 3</b>			
8.00	<b>SALACOS® 99</b>	Isononyl Isononanoate	<b>Ikeda/Kobo Products</b>
7.50	Metoxicinamato De Octila CG	Ethylhexyl Methoxycinnamate	Cosmotec
7.50	<b>TNSS75MZCM</b>	Zinc Oxide (And) Ethylhexyl Methoxycrylene (And) C12-15 Alkyl Benzoate (And) Polyhydroxystearic Acid (And) Hydrogen Dimethicone	<b>Kobo Products</b>
3.60	<b>SunBoost ATB</b>	Argania Spinosa Kernel Oil (And) Tocopheryl Acetate (And) Bisabolol	<b>Kobo Products</b>
3.20	Tego® Care PBS 6	Polyglyceryl-6 Stearate (And) Polyglyceryl-6 Behenate	Evonik
3.00	Xiameter PMX-200 Silicone Fluid 5 CS	Dimethicone	Dow Corning
0.50	Tegin® M Pellets	Glyceryl Stearate	Cosmotec
0.30	Alkonat® 1618 C30 P	Cetearyl Alcohol	M.Cassab
<b>Part 4</b>			
3.00	Xiameter® PMX-0245	Cyclopentasiloxane	Dow Corning
2.00	<b>MSS-500/N</b>	Silica	<b>Kobo Products</b>
1.00	Cosmoguard® SL-CP	Phenoxyethanol (and) Ethylhexylglycerin	Cosmotec
0.50	Simugel™ INS 100	Hydroxyethyl Acrylate/Sodium Acryloyldimethyl Taurate Copolymer (And) Isohexadecane (And) Polysorbate 60	SEPPIC
<b>100.00</b>			

## Description:

This light-feel sunscreen features TNSS75MZCM, Kobo's Non-Nano Zinc Oxide dispersion, that contains Ethylhexyl Methoxycrylene to effectively increase SPF, UVA-PF and provide broad spectrum protection. SunBoost ATB is a proprietary ratio of antioxidant, anti-irritant and anti-inflammatory agents that can boost SPF and UVA protection. SALACOS® 99 is a light ester that can improve skin feel. MSS-500/N is a silica microsphere that offers soft focus and enhanced feel.

## Manufacturing Procedure:

1. Pre-mix Part 2 and add to Part 1 while mixing. Heat to 75 °C.
2. In a separate vessel, add Part 3 and heat to 75 °C.
3. When both parts reach 75 °C, add Part 3 to Parts 1 and 2, and mix.
4. Homogenize for 5 minutes at 8000 rpm.
5. Cool to 50 °C and add Part 4. Mix well.

## Active Ingredient(s):

Ethylhexyl Methoxycinnamate	7.50%
Zinc Oxide	5.62%

## Testing:

SPF: in vivo on 3 subjects  
UVA-PF: in vivo on 3 subjects





# KSL-344B-BR Sport Sunscreen

%	INGREDIENT	INCI NAME	SUPPLIER
<b>Part 1</b>			
37.40	Deionized Water	Water	
3.00	Glicerina Bi-Destilada U.S.P.	Glycerin	Synth
0.80	Liposorb® L-20	Polysorbate 20	Vantage
<b>Part 2</b>			
18.50	<b>HBTN65HP1</b>	Zinc Oxide (And) Butyloctyl Salicylate (And) C12-15 Alkyl Benzoate (And) Triethoxycaprylylsilane	<b>Kobo Products</b>
13.00	<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 Isononyl Isononanoate	<b>Kobo Products</b>
8.00	<b>SALACOS® 99</b>		<b>Ikeda/Kobo Products</b>
7.00	Xiameter® PMX-0245	Cyclopentasiloxane	Dow Corning
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
1.50	<b>KOBOGUARD® 5400 CCT</b>	Hydrogenated Polycyclopentadiene (And) Caprylic/Capric Triglyceride	<b>Kobo Products</b>
<b>Part 3</b>			
0.80	Sepiplus™ 400	Polyacrylate-13 (And) Polyisobutene (And) Polysorbate 20	Seppic
<b>Part 4</b>			
3.00	<b>KOBOGUARD® 50AMP</b>	Acrylates/Ethylhexyl Acrylate Copolymer (And) Water (And) Aminomethyl Propanol	<b>Kobo Products</b>
1.00	Cosmoguard® SL CP	Phenoxyethanol (and) Ethylhexylglycerin	Cosmotec
<b>Part 5</b>			
3.00	<b>MSS-500W</b>	Silica	<b>Kobo Products</b>
<b>100.00</b>			

## Description:

This sport sunscreen offers long wear and water resistance due to a combination of film formers: KOBOGUARD® 50AMP, a flexible water phase film former and KOBOGUARD® 5400 CCT, a polycyclopentadiene resin that is soluble in the oil phase. The SPF is due to sunscreen dispersions HBTN65HP1 and TNP50T7-ATB. The combination of ZnO and TiO2 dispersions with boosters, SunBoost ATB and Butyloctyl Salicylate, provides UVA and UVB protection using a low concentration of actives. SALACOS® 99 is a light ester that helps with spreadability. MSS-500W, a silica microsphere, reduces tackiness and gives soft focus.

## Manufacturing Procedure:

1. Combine Part 1.
2. Mix Part 2 and add to Part 1 slowly under homogenizer.
3. Mix well until complete dispersion of the filters.
4. Add Parts 3, 4 and 5, mixing until completely homogeneous.

## Active Ingredient(s):

Titanium Dioxide	4.94%
Zinc Oxide	11.60%

## Testing:

SPF: in vivo on 3 subjects  
UVA-PF: in vivo on 3 subjects





KSL-376A-EU

# Natural Non-Nano Sunscreen



%	INGREDIENT	INCI NAME	SUPPLIER
<b>Part 1</b>			
18.95	Deionized Water	Water	
1.50	Sodium Chloride	Sodium Chloride	Fischer
<b>Part 2</b>			
4.00	Glycerin	Glycerin	Interchimie
0.25	Keltrol® CG	Xanthan Gum	CP Kelco
<b>Part 3</b>			
25.00	Tegosoft® CT	Caprylic/Capric Triglycerides	Evonik
24.00	<b>GC70MZCJ-G</b>	Zinc Oxide (And) Caprylic/Capric Triglyceride (And) Jojoba Esters (And) Glyceryl Behenate/Eicosadioate	<b>Kobo Products</b>
15.00	<b>TTO-NJE8</b>	Titanium Dioxide (And) Alumina (And) Jojoba Esters	<b>Kobo Products</b>
<b>Part 4</b>			
4.00	Dehymuls® PGPH	Polyglyceryl-2 Dipolyhydroxystearate	BASF
3.00	<b>SunBoost ATB Natural</b>	Argania Spinosa Kernel Oil (And) Tocopheryl Acetate (And) Bisabolol	<b>Kobo Products</b>
2.00	<b>MSS-500W</b>	Silica	<b>Kobo Products</b>
1.00	Lipex® Shea Tris	Shea Butter	AAK
1.00	Olivem® 900	Sorbitan Oliviate	Hallstar
<b>Part 5</b>			
0.30	AE Preserve® PCG	Phenethylalcohol (And) Caprylhydroxamic Acid (And) Glycerin	AE Chemie
<b>100.00</b>			

## Description:

This natural sunscreen features Kobo's Cosmos approved products GC70MZCJ-G, non-nano ZnO dispersion, and TTO-NJE8, non-nano treated TiO2. This combination offers high UV protection. SunBoost ATB Natural is a proprietary ratio of anti-oxidant, anti-irritant and anti-inflammatory agents that can boost UV protection. MSS-500W is a silica microsphere, that reduces tackiness and improves application feel.

## Manufacturing Procedure:

1. Pre-mix Part 2 and add to Part 1. Heat to 80°C.
2. Pre-mix Part 3 and mix until homogeneous using a propeller. Add Part 4 to Part 3 and mix while heating to 80°C.
3. Add Parts 1 and 2 to Parts 3 and 4 slowly while propeller mixing.
4. Homogenize at 7000 rpm for 5 minutes.
5. Add Part 5 and cool to room temperature while mixing.

## Active Ingredient(s):

Titanium Dioxide	11.40%
Zinc Oxide	16.10%

## Testing:

SPF: in vivo on 3 subjects  
 UVA-PF: in vivo on 3 subjects  
 CW: FDA method



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KSL-401

# Global Mineral Sunscreen Cream-using TiO<sub>2</sub> & ZnO Powders



%	INGREDIENT	INCI NAME	SUPPLIER
<b>Part 1</b>			
13.26	<b>MZO-35-11S5</b>	Zinc Oxide (And) Triethoxycaprylylsilane	<b>Kobo Products</b>
11.00	<b>JTTO-MS7</b>	Titanium Dioxide (And) Alumina (And) Hydrogen Dimethicone	<b>Kobo Products</b>
4.05	HALLBRITE BHB	Butyloctyl Salicylate	Hallstar
4.00	<b>SunBoost ATB</b>	Argania Spinosa Kernel Oil (And) Tocopheryl Acetate (And) Bisabolol	<b>Kobo Products</b>
3.50	Bentone Gel® TNV	C12-15 Alkyl Benzoate (and) Stearalkonium Hectorite (and) Propylene Carbonate	Essential Ingredients
3.50	Abil® WE 09	Polyglyceryl-4 Isostearate (And) Cetyl PEG/PPG-10/1 Dimethicone (And) Hexyl Laurate	Evonik
3.00	Dermol 89	Ethylhexyl Isononanoate	Alzo International Inc.
2.25	Dowsil™ ES-5226 DM Formulation Aid	Dimethicone (and) PEG/PPG-18/18 Dimethicone	Dow Chemical
2.19	Dermol 25B	C12-15 Alkyl Benzoate	Alzo International Inc.
1.00	COSMOL™ 43V	Polyglyceryl-2 Triisostearate	Ikeda
0.13	<b>TNP55TRR</b>	Iron Oxides (CI 77491) (And) C12-15 Alkyl Benzoate (And) Triethoxycaprylylsilane (And) Polyhydroxystearic Acid	<b>Kobo Products</b>
0.03	<b>TNP55TRY</b>	Iron Oxides (CI 77492) (And) C12-15 Alkyl Benzoate (And) Triethoxycaprylylsilane (And) Polyhydroxystearic Acid	<b>Kobo Products</b>
<b>Part 2</b>			
3.75	BRB Caprylyl Methicone	caprylyl methicone	BRB International
0.50	Pelemol® GTB	Tribehenin	Phoenix Chemical
<b>Part 3</b>			
35.06	Deionized Water	Water	
<b>Part 4</b>			
3.00	Glycerin U.S.P. F.C.C. 96%	Glycerin	Ruger Chemical
0.20	Keltrol® CG	Xanthan Gum	CP Kelco
<b>Part 5</b>			
2.00	Resassol® DN	Diglycerin	Res Pharma/ Kinetik
0.90	Sodium Chloride	Sodium Chloride	Morton Salt
0.15	Protacide Na3 EDTA™	Trisodium EDTA	Protameen
0.10	ALLANTOIN	Allantoin	Jeen International
<b>Part 6</b>			
0.90	SymDiol® 68	1,2-Hexanediol (And) Caprylyl Glycol	Symrise
0.50	Symsave® H	Hydroxyacetophenone	Symrise
<b>Part 7</b>			
5.00	<b>MSS-500W</b>	Silica	<b>Kobo Products</b>
0.03	<b>KTZ® EBONY-11S4</b>	Iron Oxides (CI 77499) (And) Mica (And) Triethoxycaprylylsilane	<b>Kobo Products</b>
100.00			

## Description:

This all-mineral sunscreen cream is slightly tinted to minimize any whitening on skin. Kobo treated sunscreen powders MZO-35-11S5 and JTTO-MS7 provide the product's UVA and UVB protection. SunBoost ATB is a proprietary ratio of three ingredients that helps boost SPF and PFA (UVA) protection. The trans-oxide dispersions TNP55TRR and TNP55TRY, in combination with KTZ® EBONY-11S4, add a very slight beige tint to the product; this tint helps minimize any whitening on skin during application. MSS-500W provides a silky application and a dry, soft after feel.

## Manufacturing Procedure:

1. In the main vessel, homogenize Part 1 until all powder is uniformly dispersed and phase is smooth.
2. Heat phase to 75-80°C. Add Part 2 and homogenize well until all is melted and phase is uniform.
3. In a side kettle, add Part 3. Pre-mix Part 4 and add to Part 3 with fast speed propeller mixing. Fast mix for at least 30 minutes until phase is thickened and smooth.
4. Heat Parts 3 and 4 to 50°C while mixing. Add Part 5 and premixed Part 6 ingredients, one at a time.
5. Cool Parts 1 and 2 to 65°C while homogenizing. Add small increments of water phase (Parts 3, 4, 5 and 6) to Parts 1 and 2. Homogenize at low to medium speed with each addition until batch is uniform and all water phase is emulsified.
6. Sprinkle Part 7 into batch and slowly homogenize until all powder is dispersed and the batch is smooth.
7. Cool batch while slowly homogenizing to 30°C. Fast speed homogenize the batch for 5 minutes while maintaining temperature at 30°C.

## Active Ingredient(s):

Zinc Oxide 12.60%  
Titanium Dioxide 8.70%

## Testing:

SPF: in vivo on 5 subjects  
UVA-PF: in vivo on 3 subjects  
CW: FDA method



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# KSL-422-BR Tinted Mineral Sunscreen



%	INGREDIENT	INCI NAME	SUPPLIER
<b>Part 1</b>			
26.80	Deionized Water	Water	
1.50	Glicerina Bi-Destilada U.S.P.	Glycerin	Synth
0.60	Cloreto de Sódio	Sodium Chloride	CAAL
<b>Part 2</b>			
17.50	<b>ZNO-C-ASG3J</b>	Zinc Oxide (And) Stearoyl Glutamic Acid	<b>Kobo Products</b>
16.00	<b>CAP50M170</b>	Titanium Dioxide (And) Coconut Alkanes (And) Alumina (And) Hydrogen Dimethicone (And) Polyhydroxystearic Acid	<b>Kobo Products</b>
10.00	<b>COSMOL™ 525</b>	Neopentyl Glycol Diethylhexanoate	<b>Ikeda/Kobo Products</b>
5.00	<b>T.I.O.</b>	Triethylhexanoin	<b>Ikeda/Kobo Products</b>
4.00	Bentone Gel® ISD V	Isododecane (And) Disteardimonium Hectorite (And) Propylene Carbonate	Cosmotec
4.00	KF-6038	Lauryl PEG-9 Polydimethylsiloxyethyl Dimethicone	Shin-Etsu
3.67	<b>RBTD-12</b>	Titanium Dioxide (And) Isopropyl Titanium Triisostearate	<b>Kobo Products</b>
3.00	<b>COSMOL™ 182V</b>	Sorbitan Sesquiosostearate	<b>Ikeda/Kobo Products</b>
2.00	<b>SunBoost ATB</b>	Argania Spinosa Kernel Oil (And) Tocopheryl Acetate (And) Bisabolol	<b>Kobo Products</b>
1.00	Cosmoguard® SL CP	Phenoxyethanol (and) Ethylhexylglycerin	Cosmotec
1.00	<b>KOBOGUARD® 5400 CCT</b>	Hydrogenated Polycyclopentadiene (And) Caprylic/Capric Triglyceride	<b>Kobo Products</b>
0.94	<b>BYO-12</b>	Iron Oxides (CI 77492) (And) Isopropyl Titanium Triisostearate	<b>Kobo Products</b>
0.60	Thixcin® R PC	Trihydroxystearin	Elementis Specialties
0.50	<b>SALACOS® HS-6C</b>	Polyhydroxystearic Acid	<b>Ikeda/Kobo Products</b>
0.25	<b>BRO-12</b>	Iron Oxides (CI 77491) (And) Isopropyl Titanium Triisostearate	<b>Kobo Products</b>
0.14	<b>BBO-12</b>	Iron Oxides (CI 77499) (And) Isopropyl Titanium Triisostearate	<b>Kobo Products</b>
<b>Part 3</b>			
1.50	<b>MSS-500/3H</b>	Silica	<b>Kobo Products</b>
<b>100.00</b>			

## Description:

This Tinted Mineral Sunscreen offers light coverage while protecting skin from UVA/UVB light. The SPF and UVA-PF are due to sunscreen dispersion of Titanium Dioxide, CAP50M170, and non-nano Zinc Oxide powder, ZNO-C-ASG3J, coated with ASG treatment that imparts a creamy feel. SunBoost ATB contains a proprietary ratio of anti-oxidant, anti-irritant and anti-inflammatory agents to help boost SPF and PFA. Kobo's ITT treated pigments give tint to this sunscreen product. SALACOS® HS-6C helps with sunscreen and pigment dispersion and the combination of COSMOL™ 525 with T.I.O. Provides a nice after feel. COSMOL™ 182V improves formula stability. KOBOGUARD® 5400 CCT is an oil soluble film former that helps with product wear. Silica microsphere MSS-500/3H contributes to the matte effect.

## Manufacturing Procedure:

1. Combine Part 1 and heat to 45-50°C.
2. Combine Part 2, mix until full dispersion of Zinc Oxide and pigments. Heat to 45-50°C.
3. Add Part 1 slowly and under stirring to Part 2 and mix until homogeneous.
4. Add Part 3 and mix until homogeneous.
5. Cool to 25°C under stirring.

## Active Ingredient(s):

Titanium Dioxide	6.32%
Zinc Oxide	16.98%

## Testing:

SPF: in vivo on 3 subjects  
UVA-PF: in vitro method

## Notes:

CW: 379nm; tested using ISO 24443:2012 methodology





KLF-225

# W/O Liquid Foundation (Halal Compliant)

%	INGREDIENT	INCI NAME	SUPPLIER
<b>Part 1</b>			
27.90	Deionized Water	Water	
1.50	Sodium Chloride	Sodium Chloride	Morton Salt
<b>Part 2</b>			
6.90	GLYCERIN U.S.P. KOSHER	Glycerin	Procter & Gamble Chemicals
99.7%			
0.10	Keltrol® CG	Xanthan Gum	CP Kelco
<b>Part 3</b>			
15.00	Liponate® GC	Caprylic/Capric Triglyceride	Vantage
12.00	<b>OD75CJE</b>	Titanium Dioxide (And) Octyldodecanol (And) Jojoba Esters (And) Trihydroxystearin	<b>Kobo Products</b>
7.00	Cetiol® CC	Dicaprylyl Carbonate	DeWolf Chemicals
6.00	Myritol® 331	Cocoglycerides	Universal Preserv-A-Chem
5.90	Dehymuls® PGPH	Polyglyceryl-2 Dipolyhydroxystearate	BASF
3.00	<b>KoboMica L-27-NJE2</b>	Mica (And) Jojoba Esters	<b>Kobo Products</b>
2.00	<b>CARESS® BN06</b>	Boron Nitride	<b>Bent Tree/Kobo Products</b>
1.90	Cegesoft® SB	Butyrospermum Parkii (Shea) Butter	BASF
1.50	<b>OD55YJE</b>	Iron Oxides (CI 77492) (And) Octyldodecanol (And) Jojoba Esters (And) Trihydroxystearin	<b>Kobo Products</b>
1.50	Lexgard® Natural	Glyceryl Caprylate (And) Glyceryl Undecylenate	Inolex
1.50	Dermofat 4919	Stearic Acid	Alzo International Inc.
0.90	Monomuls® 90-O 18	Glyceryl Oleate	BASF
0.90	Thixcin® R PC	Trihydroxystearin	Elementis Specialties
0.30	<b>OD75RJE</b>	Iron Oxides (CI 77491) (And) Octyldodecanol (And) Jojoba Esters (And) Trihydroxystearin	<b>Kobo Products</b>
0.20	<b>OD75BJE</b>	Iron Oxides (CI 77499) (And) Octyldodecanol (And) Jojoba Esters (And) Trihydroxystearin	<b>Kobo Products</b>
<b>Part 4</b>			
3.00	<b>MSS-500W</b>	Silica	<b>Kobo Products</b>
1.00	<b>SILICA SHELLS</b>	Silica	<b>Kobo Products</b>
<b>100.00</b>			

## Description:

This W/O Liquid Foundation features Kobo's Natural, OD, Pigmentary dispersions which contain patented NJE, Natural Jojoba Ester surface treatment that enables pigment particles to be rendered hydrophobic. Natural Jojoba Ester-treated powder KoboMica L-27-NJE2 imparts a smooth, even application and good adherence on the skin. CARESS® BN06, Boron Nitride, is used for superior softness and tactility, superb spreadability, and good coverage. Silica microsphere, MSS-500W, offers an elegant feel upon application and provides a soft focus effect. Silica Shells absorb excess skin oils and help to keep the foundation color true to the skin.

## Manufacturing Procedure:

1. Combine Part 1 until fully dissolved then add Part 2 slurry to batch. □
2. Combine Part 3, heat to 70°C then homogenize. Cool to RT. □
3. Slowly add Part 1 and 2 to Part 3 until homogeneous. □
4. Slowly add Part 4 to batch.

## Testing:

SPF: in vivo on 3 subjects  
UVA-PF: in vitro method

## Notes:

This formulation contains Kobo Halal Compliant Ingredients. All other ingredients must be confirmed with each respective supplier for Halal Compliance.





KLF-252E

# W/Si Anti-Pollution CC Cream with A1K-TiO2-I2

%	INGREDIENT	INCI NAME	SUPPLIER
<b>Part 1</b>			
12.70	KF-995	Cyclopentasiloxane	Shin-Etsu
5.00	CXG-1101	Cyclopentasiloxane (And) Dimethicone/Vinyl Dimethicone Crosspolymer	Avantor/Kobo Products
4.90	KF-6040	Cyclopentasiloxane (And) PEG/PPG-18/18 Dimethicone	Shin-Etsu
3.50	CPF-3300@10cSt	Phenyl Trimethicone	Avantor/Kobo Products
3.00	MSS-500/3N	Silica	Kobo Products
2.00	BN30-I2	Boron Nitride (And) Isopropyl Titanium Triisostearate	Kobo Products
0.50	Thixcin® R PC	Trihydroxystearin	Elementis Specialties
0.10	Propyl Paraben NF	Propylparaben	International Sourcing
<b>Part 2</b>			
12.55	PT1BM70U	Titanium Dioxide (And) Phenyl Trimethicone (And) Distearidimonium Hectorite (And) Isopropyl Titanium Triisostearate (And) 1,2-Hexanediol (And) Caprylyl Glycol (And) Silica	Kobo Products
1.25	PT1BM40Y	Phenyl Trimethicone (And) Iron Oxides (CI 77492) (And) Silica (And) Distearidimonium Hectorite (And) Isopropyl Titanium Triisostearate (And) 1,2-Hexanediol (And) Caprylyl Glycol	Kobo Products
0.15	PT1BM70R	Iron Oxides (CI 77491) (And) Phenyl Trimethicone (And) Distearidimonium Hectorite (And) Isopropyl Titanium Triisostearate (And) Silica (And) 1,2-Hexanediol (And) Caprylyl Glycol	Kobo Products
0.05	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
<b>Part 3</b>			
9.90	TNP50T7-ATB	C12-15 Alkyl Benzoate (And) Titanium Dioxide (And) Argania Spinosa Kernel Oil (And) Alumina (And) Hydrogen Dimethicone (And) Tocopheryl Acetate (And) Polyhydroxystearic Acid (And) Bisabolol	Kobo Products
3.90	TNSS75MZCM	Zinc Oxide (And) Ethylhexyl Methoxycrylene (And) C12-15 Alkyl Benzoate (And) Polyhydroxystearic Acid (And) Hydrogen Dimethicone	Kobo Products
<b>Part 4</b>			
2.00	A1K-TiO2-I2	Titanium Dioxide (And) Aluminum Hydroxide (And) Isopropyl Titanium Triisostearate	Kobo Products
<b>Part 5</b>			
20.10	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	Avantor/Kobo Products
4.00	HEXYLENE GLYCOL	HEXYLENE GLYCOL	Universal Preserv-A-Chem, Inc.
0.65	Sodium Chloride	Sodium Chloride	Morton Salt
0.40	Liposorb® L-20	Polysorbate 20	Vantage
0.15	Methyl Paraben NF	Methylparaben	International Sourcing
0.10	Edeta® BD	Disodium EDTA	BASF
0.10	ALLANTOIN	Allantoin	Jeen International
<b>Part 6</b>			
3.00	MSS-500/20N	Silica	Kobo Products
<b>100.00</b>			

## Description:

This foundation features A1K-TiO2-I2, a granular TiO2 powder treated with Isopropyl Titanium Triisostearate that effectively blocks IR radiation in the near infrared range. This fine powder provides a smoother feel than other pigmentary TiO2. Kobo's PT1BM Dispersions enhance spreadability and impart a silky feel upon application. TNP50T7-ATB, a TiO2 sunscreen dispersion with SunBoost ATB, boosts SPF/PFA. TNSS75MZCM, a non-nano ZnO dispersion that contains Ethylhexyl Methoxycrylene, helps maintain the integrity of the UV filter and boosts CW. BN30-I2, a surface-treated Boron Nitride, gives superior softness and tactility, superb spreadability, excellent adherence and sheer coverage. The combination of MSS-500/20N and MSS-500/3N offers a ball-bearing effect, an elegant silky texture, increased payoff and enhanced slip to promote better blendability on the skin. CES-1104, an encapsulated elastomer gel, breaks upon application and offers an initial refreshing feel followed by a velvety silicone after feel. CPF-3300@10cSt helps improve payoff and shine. CXG-1101 imparts a creamy, gel texture.

## Manufacturing Procedure:

1. Combine Part 1 and homogenize until fully homogeneous.
2. Add Part 2 to Part 1. Homogenize until the color is fully developed.
3. Add Part 3 to batch and homogenize until uniform.
4. Add Part 4 to batch and homogenize until uniform.
5. Combine Part 5 and mix until homogeneous.
6. Slowly add Part 5 to the batch and homogenize until uniform.
7. Slowly add Part 6 and homogenize until uniform.

## Active Ingredient(s):

Titanium Dioxide 4.60%  
Zinc Oxide 2.85%

## Testing:

SPF: in vivo on 3 subjects  
UVA-PF: in vitro method



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KLF-269

# W/O Foundation with TTB Treatment For All Skin Types

%	INGREDIENT	INCI NAME	SUPPLIER
<b>Part 1</b>			
20.85	TMF-1.5	Methyl Trimethicone	Shin-Etsu
4.50	Dowasil ES-5227 DM Formulation Aid	Dimethicone (And) PEG/PPG-18/18 Dimethicone	Dow Chemical
2.15	<b>KOBOGUARD® MQ65TMF</b>	Trimethylsiloxysilicate (And) Methyl Trimethicone	<b>Kobo Products</b>
2.15	Lexol® PG 865	Propylene Glycol Dicaprylate/Dicaprate	Inolex Chemical Company
2.05	KF-6028	PEG-9 Polydimethylsiloxyethyl Dimethicone	Shin-Etsu
0.85	KF-6017	PEG-10 Dimethicone	Shin-Etsu
<b>Part 2</b>			
9.15	<b>RBTD-TTB2</b>	Titanium Dioxide (And) Isopropyl Titanium Triisostearate (And) Triethoxysilylethyl Polydimethylsiloxyethyl Dimethicone	<b>Kobo Products</b>
1.50	<b>BGYO-TTB2</b>	Iron Oxides (CI 77492) (And) Isopropyl Titanium Triisostearate (And) Triethoxysilylethyl Polydimethylsiloxyethyl Dimethicone	<b>Kobo Products</b>
0.80	<b>BGRO-TTB2</b>	Iron Oxides (CI 77491) (And) Isopropyl Titanium Triisostearate (And) Triethoxysilylethyl Polydimethylsiloxyethyl Dimethicone	<b>Kobo Products</b>
0.10	<b>BGBO-TTB2</b>	Iron Oxides (CI 77499) (And) Triethoxysilylethyl Polydimethylsiloxyethyl Dimethicone (And) Isopropyl Titanium Triisostearate	<b>Kobo Products</b>
<b>Part 3</b>			
1.75	COSMOL™ 43V	Polyglyceryl-2 Triisostearate	Ikeda
0.90	BENTONE® 38 V CG	Disteardimonium Hectorite	Essential Ingredients
<b>Part 4</b>			
0.90	Reagent Alcohol 200 Proof	Denatured Alcohol	Pharmco Aaper
<b>Part 5</b>			
34.60	Deionized Water	Water	
1.75	Butylene Glycol	Butylene Glycol	Pride Solvents & Chemicals Co. of NJ, Inc.
1.10	Glycerin U.S.P. Natural 96%	Glycerin	Univar USA Inc.
0.90	Sodium Chloride	Sodium Chloride	Morton Salt
0.45	Jeecide CAP-5	Phenoxyethanol (And) Caprylyl Glycol (And) Potassium Sorbate (And) Water (And) Hexylene Glycol	Jeen International
0.45	Liposorb® L-20	Polysorbate 20	Vantage
<b>Part 6</b>			
8.70	<b>CXG-1104</b>	Dimethicone (And) Dimethicone/Vinyl Dimethicone Crosspolymer	<b>Avantor/Kobo Products</b>
3.50	<b>MSS-500/3N</b>	Silica	<b>Kobo Products</b>
0.90	<b>DSPCS/20N-12</b>	Silica (And) Ethylene/Methacrylate Copolymer (And) Isopropyl Titanium Triisostearate	<b>Kobo Products</b>
<b>100.00</b>			

## Description:

This full coverage foundation for all skin types is ideal for absorbing oil and blurring imperfections on the face. It provides a velvet-like texture that applies smoothly to the skin. KOBOGUARD® MQ65TMF enhances adhesion, improves water and rub resistance, and helps to suspend pigments. TTB Treated Pigments are super-dispersible at high concentration in the oil phase due to the hybrid treatment. CXG-1104 is an elastomer gel that offers a silky after feel and matte effect. DSPCS/20N-12 helps create a lightweight, velvety feel while MSS-500/3N offers a ball bearing effect, an elegant silky texture, increased payoff and enhanced slip with better blendability on the skin.

## Manufacturing Procedure:

1. Homogenize Part 1 until uniform. □
2. Micropulverize Part 2 until color is fully developed. □
3. Combine Parts 1 and 2 with high sheer prop mix. □
4. Add Parts 3 and 4 respectively until uniform. □
5. Combine Part 5. Prop mix until uniform. □
6. Slowly add Part 5 under homomizer to batch until homogeneous. □
7. Add Part 6 while homogenizing until uniform.

## Testing:

SPF: in vivo on 3 subjects  
 UVA-PF: in vitro method



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KLF-271

# O/W Creamy Skin Highlighter with KTZ® SM EXTRAFINE

%	INGREDIENT	INCI NAME	SUPPLIER
<b>Part 1</b>			
50.30	Deionized Water	Water	
0.75	Liposorb® L-20	Polysorbate 20	Vantage
<b>Part 2</b>			
0.20	Keltrol® CG	Xanthan Gum	CP Kelco
0.15	PROPYLENE GLYCOL	Propylene Glycol	Pride Solvents & Chemicals Co. of NJ, Inc.
<b>Part 3</b>			
14.00	Neosolue™-DiSM	Diisostearyl Malate	Nippon/Kobo Products
3.00	Lipo® GMS-450	Glyceryl Stearate	Vantage
2.00	Lipomulse® 165	Glyceryl Stearate (And) PEG-100 Stearate	Vantage
0.50	Lipowax® D	Cetearyl Alcohol (And) Cetareth-20	Vantage
0.30	Liposorb® TS	Sorbitan Tristearate	Vantage
<b>Part 4</b>			
0.75	Botanistat PF-64	Phenoxyethanol (and) Caprylyl Glycol (and) Ethylhexylglycerin (and) Hexylene Glycol	DD Chemco
0.75	Reagent Alcohol 200 Proof	Denatured Alcohol	Pharmco Aaper
<b>Part 5</b>			
14.15	KOBOPEARL® EF-8	Mica (And) Titanium Dioxide (And) Barium Sulfate	Kobo Products
9.75	KTZ® SM EXTRAFINE LEMON CHIFFON	Synthetic Fluorphlogopite (And) Iron Oxides (CI 77491) (And) Titanium Dioxide	Kobo Products
2.90	KTZ® SM EXTRAFINE RUSSET	Synthetic Fluorphlogopite (And) Iron Oxides (CI 77491)	Kobo Products
0.50	KTZ® SM EXTRAFINE INK	Synthetic Fluorphlogopite (And) Titanium Dioxide (And) Black 2 (CI 77266)	Kobo Products
100.00			

## Description:

This dewy, everyday, champagne-pearl-hued creamy highlighter formula glides on for a natural glow. Neosolue™-DiSM contributes to a smooth texture and emolliency of the formula on the face. KOBOPEARL® EF-8 adds a blurring effect and opacity. An optimized combination of Kobo's smallest particle size, KTZ® SM, synthetic mica pearlescent pigments provides youthful luminosity and blends into skin instantly.

## Manufacturing Procedure:

1. Combine Part 1 ingredients and heat to 78-80°C under prop mixer. □
2. Combine Part 2 ingredients pre-mix them together while prop mixing. □
3. Add Part 2 to Part 1 and mix until uniform, maintaining temperature at 80°C. □
4. Combine Part 3 ingredients. Heat to 80°C while prop mixing and add to batch. □ Emulsify under high shear prop mixing.
5. Cool batch down to 40°C, continue mixing. □ Add ingredients of Part 4.
6. Move batch under homogenizer for approximately 2 minutes at 4000 rpm. □
7. Move batch back to prop mixing, add Part 5. Mix well. Cool batch to 30°C while prop mixing.

## Testing:

SPF: in vivo on 3 subjects  
UVA-PF: in vitro method



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KLF-272

# Anhydrous Gel Foundation with INWP Dispersions

%	INGREDIENT	INCI NAME	SUPPLIER
<b>Part 1</b>			
32.00	<b>Neosolue™-DiSM</b>	Diisostearyl Malate	<b>Nippon/Kobo Products</b>
4.00	Eutanol® G	Octyldodecanol	Henkel
4.00	Ethocel™ Std 100 Premium	Ethylcellulose	Dow Chemical
<b>Part 2</b>			
24.50	Cetiol® CC	Dicaprylyl Carbonate	BASF
7.60	<b>INWP65U</b>	Titanium Dioxide (And) Isononyl Isononanoate (And) Ozokerite (And) Isopropyl Titanium Triisostearate (And) Polyhydroxystearic Acid	<b>Kobo Products</b>
5.00	<b>KOBOGUARD® 5400 CCT</b>	Hydrogenated Polycyclopentadiene (And) Caprylic/Capric Triglyceride	<b>Kobo Products</b>
5.00	Panalane® L-14E	Hydrogenated Polyisobutene	Vantage
3.00	<b>KOBOGUARD® MQ75ETS</b>	Trimethylsiloxysilicate (And) Ethyl Trisiloxane	<b>Kobo Products</b>
1.90	<b>INWP60EY</b>	Iron Oxides (CI 77492) (And) Isononyl Isononanoate (And) Ozokerite (And) Isopropyl Titanium Triisostearate (And) Polyhydroxystearic Acid	<b>Kobo Products</b>
0.25	<b>INWP70EB</b>	Iron Oxides (CI 77499) (And) Isononyl Isononanoate (And) Ozokerite (And) Isopropyl Titanium Triisostearate (And) Polyhydroxystearic Acid	<b>Kobo Products</b>
0.25	<b>INWP75ER</b>	Iron Oxides (CI 77491) (And) Isononyl Isononanoate (And) Ozokerite (And) Isopropyl Titanium Triisostearate (And) Polyhydroxystearic Acid	<b>Kobo Products</b>
<b>Part 3</b>			
5.00	Dehymuls® PGPH	Polyglyceryl-2 Dipolyhydroxystearate	BASF
3.00	Lameform® TGI	Polyglycerol-3 Diisostearate	Cognis
1.50	Monomuls® 90-O 18	Glyceryl Oleate	BASF
1.00	Softisan® 100	Hydrogenated Coco-Glycerides	Condea Chemie
<b>Part 4</b>			
2.00	<b>MSS-500W</b>	Silica	<b>Kobo Products</b>
<b>100.00</b>			

## Description:

This anhydrous gel foundation provides a unique feather-light feel and even coverage to the skin. It features Kobo's creamy INWP Pigmentary Dispersions, which ease the manufacturing and laboratory process by melting into the formula at a high temperature. INWP Iron Oxide and Titanium Dioxide dispersions give a uniformly developed skin tone color. Neosolue™-DiSM contributes to a smoother texture and emolliency of the formula on the face. KOBOGUARD® 5400 CCT is a film former that helps with wear and comfort due to its flexibility. KOBOGUARD® MQ75ETS improves adhesion and contributes to product stay input without shade changes throughout wear. MSS-500W silica microspheres help with cushion and spreadability of the formula.

## Manufacturing Procedure:

1. Combine Part 1 ingredients at 90°C. Prop mix 600 rpm for 1 hour until clarity achieved.▫
2. Continue mixing Part 1 for 2 hours, remove from heat ,de-aerate by reducing mixing speed to 20 rpm.▫ Keep tightly covered.
3. Add ingredients of Part 2 to Part 1. Prop mix until uniform.▫Maintain 90°C for 30 minutes, reduce temperature to 65°C.
4. Add Part 3 at 65°C to Parts 1 and 2. Prop mix until uniform, then slowly sprinkle Part 4.▫
5. Cool to room temperature.

## Testing:

SPF: in vivo on 3 subjects  
UVA-PF: in vitro method



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KLF-274

# O/W Color Correcting CC Cream with HBP50TMD

%	INGREDIENT	INCI NAME	SUPPLIER
<b>Part 1</b>			
55.80	Deionized Water	Water	
3.00	Glycerin U.S.P. Natural 96%	Glycerin	Univar USA Inc.
0.10	Edeta® BD	Disodium EDTA	BASF
0.10	Jeecol LA-7	Laureth-7	Jeen International
<b>Part 2</b>			
1.50	Sepigel® 305	Polyacrylamide (And) C13-14 Isoparaffin (And) Laureth-7	Seppic
<b>Part 3</b>			
14.00	TMF-1.5	Methyl Trimethicone	Shin-Etsu
10.50	<b>HBP50TMD</b>	Butyloctyl Salicylate (And) Titanium Dioxide (And) Polyhydroxystearic Acid (And) Dimethicone (And) Hydrogen Dimethicone	<b>Kobo Products</b>
3.00	<b>ASO-12</b>	Aluminum Starch Octenylsuccinate (And) Isopropyl Titanium Triisostearate	<b>Kobo Products</b>
3.00	Dermol DID	Diisopropyl Dimer Dilinoleate	Alzo International
2.00	Xiameter® PMX-200 Silicone Fluid 20CS	Dimethicone	Dow Chemical Company
1.25	<b>KTZ® JAIPUR SUNSET</b>	Titanium Dioxide (And) Mica (And) Iron Oxides (CI 77491)	<b>Kobo Products</b>
1.00	<b>CSF-3504</b>	Dimethicone (And) Dimethiconol	<b>Avantor/Kobo Products</b>
1.00	<b>MSS-500</b>	Silica	<b>Kobo Products</b>
0.30	Pelemol® CCT	Caprylic/Capric Triglyceride	Phoenix Chemicals
<b>Part 4</b>			
0.75	Lipocol® S	Stearyl Alcohol	Vantage
0.70	Lipocol® C	Cetyl Alcohol	Vantage
0.50	Olivem® 900	Sorbitan Oliviate	Grant Industries, Inc.
0.50	Lipopeg® 100-S	PEG-100 Stearate	Vantage
0.50	Ceralution® H	Behenyl Alcohol (and) Glyceryl Stearate (and) Glyceryl Stearate Citrate (and) Sodium Dicoocylethylenediamine PEG-15 Sulfate	Sasol
0.30	Lipomulse® Luxe	Cetearyl Alcohol (and) Glyceryl Stearate (and) PEG-40 Stearate (and) Ceteareth - 20	Vantage
0.20	Dermofat 4919	Stearic Acid	Alzo
<b>100.00</b>			

## Description:

O/W Color Correcting CC Cream is suitable for all skin types, this multi-tasking formula color corrects with a sheer, lightweight finish.

Brightening KTZ® JAIPUR SUNSET addresses splotchy redness. HBP50TMD, Kobo's TiO<sub>2</sub> sunscreen dispersion contains a booster for protection against UVB/UVA rays. ASO-12 offers a uniform application and creamy after feel. CSF-3504 imparts spreadability and comfort upon application. MSS-500 is a silica microsphere that improves payoff while filling in small lines and covering imperfections on the skin for an even application.

## Manufacturing Procedure:

1. Combine Part 1 ingredients under prop mixer and heat to 78-80°C. □
2. Combine Part 2 ingredients and prop mix them under heat until temperature reaches 80°C. □
3. Add Part 2 to Part 1 and mix until uniform under prop mixer. □
4. Combine Part 3 ingredients in a side beaker. Heat up to 80°C under prop mixing. □
5. Combine ingredients of Parts 3 and 4 in a separate beaker. Mix with prop mixing, maintain 80°C.
6. Emulsify Parts 1, 2, 3 and 4 under prop mixer first (add Parts 3 and 4 to Parts 1 and 2). After 15 minutes switch to homomixer, maintaining temperature for 15 minutes. Start cooling the batch under homomixer. Cool down to 40°C. □
7. Cool batch to 30°C under homomixer.

## Active Ingredient(s):

Titanium Dioxide 4.94%

## Testing:

SPF: in vivo on 3 subjects  
UVA-PF: in vitro method



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KMU-036

# Highlighting Stick with DIM Dispersions & K-RAY® MagBrown

%	INGREDIENT	INCI NAME	SUPPLIER
<b>Part 1</b>			
45.30	Xiameter PMX-200 Silicone Fluid 5CS	Dimethicone	Dow Corning
24.90	COSMOL™ 525	Neopentyl Glycol Diethylhexanoate	Ikeda
6.35	<b>DIM2F50TRR</b>	Dimethicone (And) Iron Oxides (CI 77491) (And) PEG-9 Polydimethylsiloxyethyl Dimethicone (And) Hydrogen Dimethicone (And) Polyglyceryl-4 Isostearate (And) Cetyl PEG/PPG-10/1 Dimethicone (And) Hexyl Laurate	<b>Kobo Products</b>
3.05	<b>KTZ® EBONY-11S4</b>	Iron Oxides (CI 77499) (And) Mica (And) Triethoxycaprylylsilane	<b>Kobo Products</b>
3.00	<b>K-RAY® MagBrown</b>	Mica (And) Iron Oxides (CI 77491) (And) Iron Oxides (CI 77499)	<b>Kobo Products</b>
2.85	<b>DIM2F45TRY</b>	Dimethicone (And) Iron Oxides (CI 77492) (And) PEG-9 Polydimethylsiloxyethyl Dimethicone (And) Hydrogen Dimethicone (And) Polyglyceryl-4 Isostearate (And) Cetyl PEG/PPG-10/1 Dimethicone (And) Hexyl Laurate	<b>Kobo Products</b>
<b>Part 2</b>			
7.05	Performalene® PL	Polyethylene	New Phase
4.00	Ceresin Wax 810	Ceresin	New Phase
3.05	Ozokerite Wax White SP 1020P	Ozokerite	Strahl & Pitsch
0.45	Lipocol® C	Cetyl Alcohol	Vantage
<b>100.00</b>			

## Description:

This Highlighting Stick features DIM2F50TRR and DIM2F45TRY which are composed of Transparent Iron Oxides, treated with Hydrogen Dimethicone and dispersed in Dimethicone. They tint the formula to a true shade that is free of whitening and chalkiness. KTZ® EBONY-11S4 is a 10-60µm, silane treated special effect pigment that provides a black color to the formula. K-RAY® MagBrown imparts highlighting to the shade. This Stick offers good payoff, even spreadability, dewiness, adhesion and non-oily feel.

## Manufacturing Procedure:

1. Combine Part 1 and homogenize until fully developed.
2. Switch to prop mix and add Part 2.
2. Heat to 80°C.
3. Pour into mold at 75°C.

## Testing:

SPF: in vivo on 3 subjects  
UVA-PF: in vitro method



**KOBO**  
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KFL-181B

# Daily Facial Correcting Cream with HEV/Blue Light Protection

%	INGREDIENT	INCI NAME	SUPPLIER
<b>Part 1</b>			
62.40	Deionized Water	Water	
0.55	Natrosol™ Plus 330CS	Cetyl Hydroxyethylcellulose	Ashland
<b>Part 2</b>			
3.00	Butylene Glycol	Butylene Glycol	Ruger Chemical
1.00	Glycerin U.S.P. F.C.C. 96%	Glycerin	Ruger Chemical
0.30	D-Panthenol	Panthenol	BASF
0.15	ALLANTOIN	Allantoin	RITA
0.15	Dermofeel® PA-3	Sodium Phytate (And) Water (And) Alcohol	Dr. Straetmans/ Kinetik
0.05	Trisodium Citrate Dihydrate	Sodium Citrate	Jungbunzlauer
<b>Part 3</b>			
0.30	Lecinol S-10	Hydrogenated Lecithin	Barnet
<b>Part 4</b>			
8.60	<b>TNP45TELR</b>	Titanium Dioxide (And) C12-15 Alkyl Benzoate (And) Stearic Acid (And) Silica (And) Alumina (And) Polyhydroxystearic Acid (And) Iron Oxides (CI 77491)	<b>Kobo Products</b>
3.50	<b>SunBoost ATB</b>	Argania Spinosa Kernel Oil (And) Tocopheryl Acetate (And) Bisabolol	<b>Kobo Products</b>
1.90	Dermol 25B	C12-15 Alkyl Benzoate	Alzo Chemical
0.50	Lipocol® C	Cetyl Alcohol	Vantage
0.50	Lanette® 22	Behenyl Alcohol	BASF
0.40	Tegin® M Pellets	Glyceryl Stearate	Cosmotec
0.10	Plurol Diisostearique CG	Polyglyceryl-3 Diisostearate	Gattefosse
<b>Part 5</b>			
4.75	Silwax® D02	Ethyl Methicone	Siltech LLC
1.50	TMF-1.5	Methyl Trimethicone	Shin-Etsu
1.50	<b>MSS-500W</b>	Silica	<b>Kobo Products</b>
<b>Part 6</b>			
4.00	<b>CSG-1001</b>	Water (And) Dimethicone (And) Dimethicone/Vinyl Dimethicone Crosspolymer (And) Dimethiconol (And) Butylene Glycol (And) Carbomer (And) Phenoxyethanol (And) Sodium Hydroxide	<b>Avantor/Kobo Products</b>
0.30	<b>SILICA SHELLS</b>	Silica	<b>Kobo Products</b>
<b>Part 7</b>			
1.70	Jeechem 400	PEG-8	Jeen International
1.00	AE Preserve® PCG	Phenethylalcohol (And) Caprylhydroxamic Acid (And) Glycerin	AE Chemie
0.25	<b>Gs-PCOg</b>	Water (And) Palmitoyl Hydroxypropyltrimonium Amylopectin/Glycerin Crosspolymer (And) Vitis Vinifera (Grape) Seed Extract (And) Phenoxyethanol (And) Parabens (And) Hydrogenated Lecithin	<b>Kobo Products</b>
<b>Part 8</b>			
1.50	Simulgel® INS-100	Hydroxyethyl Acrylate / Sodium Acryloyldimethyl Taurate Copolymer (And) Isohexadecane (And) Polysorbate 60	Seppic Inc.
0.10	CE-181459 Foundation Essence Powdery	Fragrance	Custom Essence
<b>100.00</b>			

## Description:

This Facial Correcting Cream is a tinted (BB) cream that spreads easily, leaving skin moisturized with minimal whitening. TNP45TELR provides HEV/Blue Light protection with a slight tint to minimize skin whitening. SunBoost ATB provides skin soothing properties. The combination of MSS-500W and CSG-1001 gives the product a smooth application and nice after feel. SILICA SHELLS provides oil control properties. Gs-PCOg, provides the anti-aging properties of Grapeseed PCOs (procyanidolic oligomers).

## Manufacturing Procedure:

1. In the main vessel, sprinkle Natrosol™ Plus into the deionized water (Part 1) with fast speed propeller mixing. While mixing, add Part 2 ingredients, one at a time, while heating to 75-80°C.
2. When Parts 1 and 2 reach 75-80°C, mix for 15 to 20 minutes. Then cool to 60-65°C. At 60-65°C, sprinkle Part 3 into Parts 1 and 2. Fast speed propeller mix for 15 minutes.
3. Heat Part 4 to 75-80°C with moderate stirring. Mix well until all ingredients are dissolved and phase is uniform.
4. Pre-mix Part 5 with fast speed propeller mixing. Mix well until the phase is completely smooth and uniform.
5. Mix Part 5 into Part 4 while maintaining temperature at 75°C.
6. Add Parts 4 and 5 to Parts 1, 2 and 3 with slow to moderate speed homogenization. Begin to ambient cool batch.
7. When batch is uniform, add Part 6, one at a time, with slow homogenization. Mix until uniform. Transfer batch to a fast sweep or moderate speed propeller.
8. When temperature of batch reaches 45°C, add premixed Part 7.
9. Transfer batch back to the homogenizer and add pre-mixed Part 8 to batch.
10. Sweep batch to 35-40°C.

## Testing:

SPF: in vivo on 3 subjects  
UVA-PF: in vitro method



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# KLF-259-BR Natural BB Glow



%	INGREDIENT	INCI NAME	SUPPLIER
<b>Part 1</b>			
15.27	Deionized Water	Water	
1.00	Glicerina Bi-Destilada U.S.P.	Glycerin	Synth
0.70	Cloreto de Sódio	Sodium Chloride	CAAL
<b>Part 2</b>			
25.00	<b>GC70MZCJ-G</b>	Zinc Oxide (And) Caprylic/Capric Triglyceride (And) Jojoba Esters (And) Glyceryl Behenate/Eicosadioate	<b>Kobo Products</b>
17.00	<b>JOSP50TJE</b>	Simmondsia Chinensis (Jojoba) Seed Oil (And) Titanium Dioxide (And) Aluminum Hydroxide (And) Jojoba Esters (And) Polyhydroxystearic Acid	<b>Kobo Products</b>
7.00	Tegosoft® CT	Caprylic/Capric Triglycerides	Cosmotec
5.22	<b>JOH45YJE</b>	Iron Oxides (CI 77492) (And) Simmondsia Chinensis (Jojoba) Seed Oil (And) Jojoba Esters (And) Polyglyceryl-6 Polyricinoleate (And) Silica	<b>Kobo Products</b>
5.00	<b>COSMOL™ 43V</b>	Polyglyceryl-2 Trisostearate	<b>Ikeda/Kobo Products</b>
4.00	Isolan® GI 34	Polyglyceryl-4 Isostearate	Cosmotec
2.71	<b>JOH65UJE</b>	Titanium Dioxide (And) Simmondsia Chinensis (Jojoba) Seed Oil (And) Jojoba Esters (And) Polyglyceryl-6 Polyricinoleate (And) Silica	<b>Kobo Products</b>
2.00	Olivem® 900	Sorbitan Oliviate	Hallstar
2.00	<b>SunBoost ATB Natural</b>	Argania Spinosa Kernel Oil (And) Tocopheryl Acetate (And) Bisabolol	<b>Kobo Products</b>
1.13	<b>JOH55RJE</b>	Iron Oxides (CI 77491) (And) Simmondsia Chinensis (Jojoba) Seed Oil (And) Jojoba Esters (And) Polyglyceryl-6 Polyricinoleate (And) Silica	<b>Kobo Products</b>
0.47	<b>JOH55BJE</b>	Iron Oxides (CI 77499) (And) Simmondsia Chinensis (Jojoba) Seed Oil (And) Jojoba Esters (And) Polyglyceryl-6 Polyricinoleate (And) Silica	<b>Kobo Products</b>
<b>Part 3</b>			
1.00	Lexgard® Natural	Glyceryl Caprylate (and) Glyceryl Undecylenate	Inolex
<b>Part 4</b>			
5.00	<b>KTZ® EXTRAFINE GOLD</b>	Titanium Dioxide (And) Mica	<b>Kobo Products</b>
1.50	<b>K-RAY® DarkBrown</b>	Mica (And) Titanium Dioxide (And) Iron Oxides (CI 77499)	<b>Kobo Products</b>
<b>Part 5</b>			
4.00	<b>CELLULOBEADS D-10-PC2</b>	Cellulose (And) Hydrogenated Lecithin	<b>Kobo Products</b>
<b>100.00</b>			

## Description:

This Natural BB Glow formula with SPF was developed for full-face radiance and can be used alone or under low coverage foundation. It features Kobo's Titanium Dioxide Dispersion, JOSP50TJE, and Zinc Oxide Dispersion, GC70MZCJ-G, to provide UVB and UVA protection. SunBoost ATB Natural - a proprietary ratio of antioxidant, antiirritant and anti-inflammatory agents, helps boost SPF and PFA. For enhanced skin feel, COSMOL™ 43, an ester with superior oxidative stability is used. Kobo's JOH Pigmentary Dispersions based on natural oils and dispersants, provide full color development and ease of use. The cellulose microsphere treated with Hydrogenated Lecithin, CELLULOBEADS D-10-PC2, offers a creamy texture, moisturizing feel and excellent affinity to the skin. The KTZ® EXTRAFINE GOLD and K-RAY® DarkBrown combination imparts a subtle glow.

## Manufacturing Procedure:

1. Combine Part 1 and heat to 80°C.
2. Combine Part 2 mix until homogeneous and heat to 80°C.
3. Add Part 1 slowly and under stirring to Part 2 and mix until homogeneous.
4. Cool to 50°C and add Parts 3, 4 and 5, and mix until homogeneous.
5. Cool to 25°C under stirring.

## Active Ingredient(s):

Titanium Dioxide	6.63%
Zinc Oxide	16.75%

## Testing:

SPF: in vivo on 3 subjects  
UVA-PF: in vitro method

## Notes:

CW: 380nm. CW was tested using ISO 24443:2012 methodology





## Kobo WINS Suppliers' Day/CEW Award

FOR INNOVATION IN BEAUTY WITH:  
KSL-379

## 4 in 1 Multi-Purpose Sunscreen Cream

### Refreshing Moisture

Unique Gel Technology

### UVA/UVB Protection

Mineral Sunscreen

### Radiance

Fine, Vibrant KTZ® Pearl

### Neutralizing

Blend of Pearlescent Pigments and Transparent Iron Oxides for All Skin Types



#### Testing:

SPF: in vivo on 5 subjects  
CW: FDA method

#### Active Ingredient:

Zinc Oxide 11%

### Formulation:

Part 1		
• Deionized Water		55.80%
Part 2		
• Zemea® - Du Pont & Tate: <i>Propanediol</i>	2.90%	
• Veegum® HV - R.T. Vanderbilt: <i>Magnesium Aluminum Silicate</i>	0.50%	
• Keltrol® CG - CP Kelco: <i>Xanthan Gum</i>	0.10%	
Part 3		
• OMQP50XZ4 - Kobo Products: <i>Zinc Oxide (And) Octyldodecyl Myristate (And) Polyhydroxystearic Acid (And) Methicone</i>	23.00%	
• Protachem™ CTG - Protameen: <i>Caprylic/Capric Triglyceride</i>	3.90%	
• Protachem™ ISP - Protameen: <i>Isostearyl Palmitate</i>	3.20%	
Part 4		
• KTZ® FINE WHITE - Kobo Products: <i>Mica (And) Titanium Dioxide</i>	0.70%	
• GCG50TYSG - Kobo Products: <i>Iron Oxides (CI 77492) (And) Caprylic/Capric Triglyceride (And) Polyglyceryl-3 Diisostearate (And) Stearoyl Glutamic Acid</i>	0.50%	
• GCG50TRSG - Kobo Products: <i>Iron Oxides (CI 77491) (And) Caprylic/Capric Triglyceride (And) Polyglyceryl-3 Diisostearate (And) Stearoyl Glutamic Acid</i>	0.15%	
• KTZ® EBONY - Kobo Products: <i>Iron Oxides (CI 77499) (And) Mica</i>	0.05%	
Part 5		
• Lipomulse® Luxe - Lipo Chemicals: <i>Cetearyl Alcohol (and) Glyceryl Stearate (and) PEG-40 Stearate (and) Cetearith - 20</i>	3.30%	
Part 6		
• Xiameter® PMX-200 Silicone Fluid 5CS - Dow Corning: <i>Dimethicone</i>	1.00%	
Part 7		
• Simulgel™ EG - Seppic: <i>Sodium Acrylate/Sodium Acryloyldimethyl Taurate Copolymer (And) Isohexadecane (And) Polysorbate 80</i>	4.00%	
• SymDiol® 68 - Symrise: <i>1,2-Hexanediol (And) Caprylyl Glycol</i>	0.90%	

### Manufacturing Procedure

1. Main Beaker - Water Phase
  - Pre-weight DI Water and slowly sprinkle Magnesium Aluminum Silicate, hydrate colloid for 30 minutes.
  - Pre-weight humectant in the side beaker and add Xanthan Gum, mix well
  - Add mix of humectant and Xanthan Gum into main beaker, start to heat up water phase to 80°C, mix with propeller mixer.
2. Using a High Shear blade combine Part 3 in the support beaker and mix until uniform. Add Part 4.
3. Add Part 5 to Oil Phase (Parts 3 and 4) - heat up to 80°C, mix until full color development is done.
4. Add Part 6 to Oil Phase (Parts 3, 4 and 5) just before emulsification process starts.
5. Slowly add Oil Phase (Parts 3, 4, 5 and 6) to Water Phase (Parts 1 and 2), continue mixing with High Shear blade until emulsion is formed.
6. Air cool batch to 45°C. Separately add each ingredient of Part 7 to the batch at 45°C.
7. Force cool batch down to 30°C. Stop mixing, transfer to storage containers.

### Description

This O/W 100% mineral sunscreen formula contains Kobo's Zinc Oxide Dispersion, OMQP50XZ4 which is a skin protector - UVA/UVB filter. It contains approximately 48% of nano Zinc Oxide (whose primary particle size is 20 nm and aggregate particle size is 171 nm) in an ester/oil carrier. KTZ® FINE WHITE is pearlescent white colored mica, which improves natural glow and coverage on the skin. KTZ® EBONY is a black pearlescent pigment, containing a high concentration of Black Iron Oxide on natural mica, working to make the shade in combination with Transparent Iron Oxides, GCG50TYSG and GCG50TRSG.



KSL-421-BR

# Natural, Tinted Sunscreen with IR Protection



%	INGREDIENT	INCI NAME	SUPPLIER
<b>Part 1</b>			
19.87	Deionized Water	Water	
1.50	Glicerina Bi-Destilada U.S.P.	Glycerin	Synth
0.50	Cloreto de Sódio	Sodium Chloride	CAAL
<b>Part 2</b>			
22.00	<b>GC70MZCSG</b>	Zinc Oxide (And) Caprylic/Capric Triglyceride (And) Stearoyl Glutamic Acid (And) Glyceryl Behenate/Eicosadioate	<b>Kobo Products</b>
15.50	Tegosoft® CT	Caprylic/Capric Triglyceride	Evonik
15.00	<b>JOSP50TJE</b>	Simmondsia Chinensis (Jojoba) Seed Oil (And) Titanium Dioxide (And) Aluminum Hydroxide (And) Jojoba Esters (And) Polyhydroxystearic Acid	<b>Kobo Products</b>
5.22	<b>JOH45YJE</b>	Iron Oxides (CI 77492) (And) Simmondsia Chinensis (Jojoba) Seed Oil (And) Jojoba Esters (And) Polyglyceryl-6 Polyricinoleate (And) Silica	<b>Kobo Products</b>
5.00	<b>TiO2-IR300-ASG3</b>	Titanium Dioxide (And) Stearoyl Glutamic Acid	<b>Kobo Products</b>
3.50	Emulium® Illustro	Polyglyceryl-6 Polyhydroxystearate (and) Polyglyceryl-6 Polyricinoleate	Gattefossé/MCassa b
2.71	<b>JOH65UJE</b>	Titanium Dioxide (And) Simmondsia Chinensis (Jojoba) Seed Oil (And) Jojoba Esters (And) Polyglyceryl-6 Polyricinoleate (And) Silica	<b>Kobo Products</b>
2.00	<b>SunBoost ATB Natural</b>	Argania Spinosa Kernel Oil (And) Tocopheryl Acetate (And) Bisabolol	<b>Kobo Products</b>
1.50	Olivem® 900	Sorbitan Oliviate	Hallstar/Quantiq
1.13	<b>JOH55RJE</b>	Iron Oxides (CI 77491) (And) Simmondsia Chinensis (Jojoba) Seed Oil (And) Jojoba Esters (And) Polyglyceryl-6 Polyricinoleate (And) Silica	<b>Kobo Products</b>
0.50	Tecwax Abelha	Beeswax	Cosmotec
0.47	<b>JOH55BJE</b>	Iron Oxides (CI 77499) (And) Simmondsia Chinensis (Jojoba) Seed Oil (And) Jojoba Esters (And) Polyglyceryl-6 Polyricinoleate (And) Silica	<b>Kobo Products</b>
0.10	<b>SALACOS® HS-6C</b>	Polyhydroxystearic Acid	<b>Ikeda/Kobo Products</b>
<b>Part 3</b>			
1.00	Lexgard® Natural	Glyceryl Caprylate (and) Glyceryl Undecylenate	Inolex
<b>Part 4</b>			
1.70	<b>MSS-500/3H</b>	Silica	<b>Kobo Products</b>
0.80	<b>FLORITE PS-10</b>	Calcium Silicate	<b>Kobo Products</b>
<b>100.00</b>			

## Description:

This Natural Tinted Sunscreen, composed of only mineral filters, was developed to protect skin from UVA, UVB and IR radiation. It features natural dispersions JOSP50TJE, TiO2 in Jojoba Oil, and GC70MZCSG, ZnO in Caprylic/Capric Triglyceride to provide UVB and UVA protection. SunBoost ATB Natural is a proprietary ratio of antioxidant, anti-irritant and anti-inflammatory agents, that boosts SPF and PFA. TiO2-IR300-ASG3, Titanium Dioxide treated with amino acid, provides IR protection. Kobo's JOH Pigmentary Dispersions based on natural oils and dispersants, provide full color development and ease of use. SALACOS® HS-6C, helps in sunscreen dispersion. Calcium silicate microsphere FLORITE PS-10 and silica microsphere MSS-500/3H contribute to a non-oily after feel while MSS-500/3H also imparts creaminess.

## Manufacturing Procedure:

1. Combine Part 1 and heat to 75°C.
2. Combine Part 2, mix until homogeneous and heat to 75°C.
3. Add Part 1 slowly and under stirring to Part 2 and mix until homogeneous.
4. Cool to 50°C and add Parts 3 and 4. Mix until homogeneous.
5. Cool to 25°C under stirring.

## Active Ingredient(s):

Titanium Dioxide	5.85%
Zinc Oxide	14.96%

## Testing:

SPF: in vivo on 3 subjects  
UVA-PF: in vitro method

## Notes:

CW: 381nm; tested using ISO 24443:2012 methodology



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KBL-028-BR

# Natural Toffee Blush and Balm Stick

%	INGREDIENT	INCI NAME	SUPPLIER
<b>Part 1</b>			
27.03	Tegosoft® CT	CAPRYLIC/CAPRIC TRIGLYCERIDE	Evonik
21.50	<b>COSMOL™ 43V</b>	Polyglyceryl-2 Triisostearate	<b>Ikeda/Kobo Products</b>
10.00	<b>CO15M5</b>	Ricinus Communis (Castor) Seed Oil (And) Silica	<b>Kobo Products</b>
7.00	Cera de Candelila	Candelilla (Euphorbia Cerifera) Wax	Cosmotec
5.00	Manteiga de Karité	Shea Butter	Mapric
5.00	Tecwax Abelha	Beeswax	Cosmotec
2.50	Tecwax Carnauba	Carnauba Wax	Cosmotec
1.00	Isolan® GI 34	Polyglyceryl-4 Isostearate	Evonik/Cosmotec
<b>Part 2</b>			
5.00	<b>BTD-NJE2</b>	Titanium Dioxide (And) Jojoba Esters	<b>Kobo Products</b>
2.50	<b>BRO-NJE2</b>	Iron Oxides (CI 77491) (And) Jojoba Esters	<b>Kobo Products</b>
1.67	<b>BYO-NJE3</b>	Iron Oxides (CI 77492) (And) Jojoba Esters	<b>Kobo Products</b>
0.30	<b>BBO-NJE2</b>	Iron Oxides (CI 77499) (And) Jojoba Esters	<b>Kobo Products</b>
<b>Part 3</b>			
8.50	<b>SERICITE FSL-NJE5</b>	Mica (And) Jojoba Esters	<b>Kobo Products</b>
3.00	<b>MSS-500/3H</b>	Silica	<b>Kobo Products</b>
<b>100.00</b>			

## Description:

Natural Toffee Blush and Balm Stick is a 2-in-1 formula that provides color to cheeks and lips with a soft texture and semi-matte finish. It features Kobo's Ecocert/Cosmos approved Jojoba Ester (NJE) treated pigments that show good skin affinity and creamy feel. COSMOL™ 43V is a natural origin ester with superior oxidative stability that improves feel. Fumed silica gellant CO15M5 adds creaminess and cushion upon application. SERICITE FSL-NJE5 has a translucent appearance and provides a very soft and silky touch. Silica microsphere MSS-500/3H contributes with payoff and semi-matte finish.

## Manufacturing Procedure:

1. Combine Part 1. Mix and heat to 80°C.
2. Add Part 2 and mix until the pigments are fully dispersed.
3. Add Part 3 and mix until homogeneous.
4. Pour into molds.

## Testing:

SPF: in vivo on 3 subjects  
 UVA-PF: in vitro method



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KPW-007H

# Natural Treated Mineral Powder (Halal Compliant)

%	INGREDIENT	INCI NAME	SUPPLIER
<b>Part 1</b>			
63.40	<b>GMS-NJE3</b>	Mica (And) Jojoba Esters	<b>Kobo Products</b>
20.00	<b>TALC N-NJE2</b>	Talc (And) Jojoba Esters	<b>Kobo Products</b>
10.00	<b>RBTD-671-NJE2</b>	Titanium Dioxide (And) Jojoba Esters	<b>Kobo Products</b>
5.00	<b>BYO-NJE3</b>	Iron Oxides (CI 77492) (And) Jojoba Esters	<b>Kobo Products</b>
1.00	<b>BRO-NJE2</b>	Iron Oxides (CI 77491) (And) Jojoba Esters	<b>Kobo Products</b>
0.60	<b>BBO-NJE2</b>	Iron Oxides (CI 77499) (And) Jojoba Esters	<b>Kobo Products</b>
<b>100.00</b>			

## Description:

This creamy, paraben-free powder applies on the skin anytime without caking or build-up. Enjoy a fresh, polished, oil-free look for hours. This formula features Kobo's Natural Jojoba Ester (NJE) treated pigments which enhance feel, application, and adhesion to the skin. All ingredients are Halal compliant.

## Manufacturing Procedure:

1. Micropulverize Part 1 until uniform.

## Testing:

SPF: in vivo on 3 subjects  
 UVA-PF: in vitro method

## Notes:

This formulation contains Kobo Halal Compliant Ingredients. All other ingredients must be confirmed with each respective supplier for Halal Compliance.





KPW-030C

# Color Correcting Finishing Powder - Blue

%	INGREDIENT	INCI NAME	SUPPLIER
<b>Part 1</b>			
55.00	<b>KTZ® EXTRAFINE BLUE</b>	Titanium Dioxide (And) Mica	<b>Kobo Products</b>
30.20	<b>MSS-500W</b>	Silica	<b>Kobo Products</b>
10.00	<b>BN30-I2</b>	Boron Nitride (And) Isopropyl Titanium Trisostearate	<b>Kobo Products</b>
2.80	<b>SILICA SHELLS</b>	Silica	<b>Kobo Products</b>
<b>Part 2</b>			
2.00	<b>CPF-3300@10cSt</b>	Phenyl Trimethicone	<b>Avantor/Kobo Products</b>
<b>100.00</b>			

## Description:

This multi-functional finishing powder helps set makeup, provides color correcting properties, and offers soft focus effect for a flawless appearance. Kobo's KTZ® EXTRAFINE BLUE imparts a subtle blue iridescence that helps disguise orange or yellow undertones. MSS-500W allows the formula to roll smoothly onto the skin while providing soft focus. BN30-I2 is an ITT treated Boron Nitride which further contributes to the smooth application and slight iridescence. SILICA SHELLS absorbs excess oil to ensure the makeup is long-lasting. CPF-3300@10cSt acts as a liquid binder to prevent dusting upon application.

## Manufacturing Procedure:

1. Combine Part 1 and blend on low speed until powders are evenly dispersed.
2. Add Part 2 to Part 1 and blend on low speed until Phenyl Trimethicone is evenly dispersed.

## Testing:

SPF: in vivo on 3 subjects  
 UVA-PF: in vitro method







KPW-033-BR

# Natural Powder-to-Glow

%	INGREDIENT	INCI NAME	SUPPLIER
<b>Part 1</b>			
55.00	<b>MICA S-PC</b>	Mica (And) Hydrogenated Lecithin	<b>Kobo Products</b>
5.26	<b>BTD-ASG2</b>	Titanium Dioxide (And) Stearoyl Glutamic Acid	<b>Kobo Products</b>
5.00	<b>CELLULOBEADS D-10-PC2</b>	Cellulose (And) Hydrogenated Lecithin	<b>Kobo Products</b>
2.00	<b>MSS-500W</b>	Silica	<b>Kobo Products</b>
1.04	<b>BYO-ASG3</b>	Iron Oxides (CI 77492) (And) Stearoyl Glutamic Acid	<b>Kobo Products</b>
0.49	<b>BRO-ASG3</b>	Iron Oxides (CI 77491) (And) Stearoyl Glutamic Acid	<b>Kobo Products</b>
0.21	<b>BBO-ASG3</b>	Iron Oxides (CI 77499) (And) Stearoyl Glutamic Acid	<b>Kobo Products</b>
<b>Part 2</b>			
1.00	<b>Lexgard® Natural</b>	Glyceryl Caprylate (And) Glyceryl Undecylenate	<b>Inolex</b>
<b>Part 3</b>			
11.00	<b>Deionized Water</b>	Water	
<b>Part 4</b>			
7.50	<b>COSMOL™ 43V</b>	Polyglyceryl-2 Trisostearate	<b>Ikeda/Kobo Products</b>
5.00	<b>Tegosoft® CT</b>	Caprylic/Capric Triglycerides	<b>Cosmotec</b>
1.00	<b>Isolan® GI 34</b>	Polyglyceryl-4 Isostearate	<b>Cosmotec</b>
0.50	<b>Tecwax Carnauba T3</b>	Copernicia Cerifera (Carnauba) Wax	<b>Cosmotec</b>
<b>Part 5</b>			
4.00	<b>KTZ® EXTRAFINE GOLD</b>	Titanium Dioxide (And) Mica	<b>Kobo Products</b>
1.00	<b>K-RAY® DarkBrown</b>	Mica (And) Titanium Dioxide (And) Iron Oxides (CI 77499)	<b>Kobo Products</b>
<b>100.00</b>			

## Description:

This Natural powder-to-cream formula leaves a radiant finish on the skin. It can be used on both face and body alone, under or over liquid foundation or mixed with moisturizing cream. It features ASG treated pigments coated with amino acid that provide a creamy feel to the formula. Kobo's Silica Microsphere MSS-500W, a wide distribution particle size spherical silica, is added to improve spreadability, slip and silkiness of the formula. MICA S-PC and CELLULOBEADS D-10-PC2 are treated with Hydrogenated Lecithin which offers a creamy texture, moisturizing feel and excellent affinity to the skin. COSMOL™ 43V acts as a liquid binder to transform powder to cream. The combination of KTZ® EXTRAFINE GOLD and K-RAY® DarkBrown impart a bronze glow effect.

## Manufacturing Procedure:

1. Combine Part 1 and mix well until fully dispersed.
2. Add Part 2 to Part 1 and mix well.
3. Heat Part 3 to 80-85°C.
4. Combine Part 4 and heat to 80-85°C.
5. Add Part 3 to Part 4 slowly and under stirring.
6. Cool to 25-30°C.
7. Add the emulsion (Parts 3 and 4) to Parts 1 and 2, drop by drop, and mix well until fully dispersed.
8. Add Part 5 and mix well.

## Testing:

SPF: in vivo on 3 subjects  
 UVA-PF: in vitro method



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KPP-056C

# Oil Absorbing, Natural Pressed Powder with FLORITE PS-10

%	INGREDIENT	INCI NAME	SUPPLIER
<b>Part 1</b>			
39.18	<b>GMS-NJE3</b>	Mica (And) Jojoba Esters	<b>Kobo Products</b>
38.00	<b>TALC N-NJE2</b>	Talc (And) Jojoba Esters	<b>Kobo Products</b>
7.00	<b>RBTD-671-NJE2</b>	Titanium Dioxide (And) Jojoba Esters	<b>Kobo Products</b>
5.00	<b>FLORITE PS-10</b>	Calcium Silicate	<b>Tomita/Kobo Products</b>
1.00	<b>BYO-NJE3</b>	Iron Oxides (CI 77492) (And) Jojoba Esters	<b>Kobo Products</b>
0.86	<b>BRO-NJE2</b>	Iron Oxides (CI 77491) (And) Jojoba Esters	<b>Kobo Products</b>
0.50	Lexgard® Natural	Glyceryl Caprylate (And) Glyceryl Undecylenate	Inolex Chemical Company
0.46	<b>BBO-NJE2</b>	Iron Oxides (CI 77499) (And) Jojoba Esters	<b>Kobo Products</b>
<b>Part 2</b>			
8.00	Jojoba Oil	Simmondsia Chinensis (Jojoba) Seed Oil	Desert Whale Jojoba Co., Inc.
<b>100.00</b>			

## Description:

This natural powder foundation provides sebum control properties to oily skin. It 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.

## Manufacturing Procedure:

1. Blend Part 1 through pulverizer until color is fully developed.
2. Add Part 2 and blend well.
3. Press at 450 psi.

## Testing:

SPF: in vivo on 3 subjects  
UVA-PF: in vitro method

## Notes:

This formula may contain less than 5% of ingredients not listed on the NPA positive list.





KPP-118

# Diamond Bomb All-Over Veil

%	INGREDIENT	INCI NAME	SUPPLIER
<b>Part 1</b>			
14.00	CPF-3300@10cSt	Phenyl Trimethicone	Avantor/Kobo Products
14.00	COSMOL™ 222	Diisostearyl Malate	Ikeda
4.00	CXG-1104	Dimethicone (And) Dimethicone/Vinyl Dimethicone Crosspolymer	Avantor/Kobo Products
1.00	Permethyl® 104A	Polyisobutene	Presperse
<b>Part 2</b>			
39.00	Diasphere® KS-1000	Polymethylsilsesquioxane	Kobo Products
<b>Part 3</b>			
10.00	KTZ® SUPERB SILVER-11S2	Mica (And) Titanium Dioxide (And) Triethoxycaprylylsilane	Kobo Products
<b>Part 4</b>			
18.00	KTZ® G QUARTZ	Calcium Sodium Borosilicate (And) Titanium Dioxide	Kobo Products
100.00			

## Description:

The product is a one-of-a-kind soft pressed powder with an enlarged liquid binder phase for all-over face and body brightening and illumination. CPF-3300@10cSt is a low viscosity phenyl trimethicone that improves spreadability with a light skin feel. CXG-1104 is a silicone elastomer that provides a silky, powdery after feel. Diasphere® KS-1000 gives slip, pickup and a light skin feel. The combination of KTZ® SUPERB SILVER-11S2 and KTZ® G QUARTZ provides a silver chrome effect to the formula.

## Manufacturing Procedure:

1. Homogenize Part 1.
2. Add Part 2 under prop.mix.
3. Add Part 3 under prop.mix.
4. Add Part 4 under prop.mix.
5. Sift the bulk.
6. Pressed at 100 psi using 2 pieces of ribbons (12-13g of bulk per sample).

## Testing:

SPF: in vivo on 3 subjects  
 UVA-PF: in vitro method





KEL-026

# Black Crayon Eyeliner

%	INGREDIENT	INCI NAME	SUPPLIER
<b>Part 1</b>			
54.00	<b>SW55EB</b>	Synthetic Wax (And) Iron Oxides (CI 77499) (And) Isopropyl Titanium Triisostearate	<b>Kobo Products</b>
25.70	<b>COSMOL™ 43V</b>	Polyglyceryl-2 Triisostearate	<b>Ikeda</b>
17.00	<b>PM WAX 82</b>	Polyethylene (And) Microcrystalline Wax	<b>Toray/Kobo Products</b>
2.00	<b>SILICA SHELLS</b>	Silica	<b>Kobo Products</b>
1.00	<b>KOBOGUARD® HRPC</b>	Hydrogenated Polycyclopentadiene (And) Polyethylene (And) Copernicia Cerifera (Carnauba) Wax (And) Tocopherol	<b>Kobo Products</b>
0.30	<b>Lexgard® O</b>	Caprylyl Glycol	<b>Inolex</b>
<b>100.00</b>			

## Description:

This high payoff, long-lasting Kajal crayon eyeliner is easy to apply. PM WAX 82 gives structure to the stick. KOBOGUARD® HRPC offers water resistance and long wear. SILICA SHELLS increases payoff and provides a smooth application. SW55EB gives the distinguished black color.

## Manufacturing Procedure:

1. Heat Part 1 to 85°C under propeller mixer. Continue mixing until uniform.
2. Pour into lipstick mold at 85°C. Sharpen the tip for use as an eyeliner with a pencil sharpener.

## Testing:

SPF: in vivo on 3 subjects  
 UVA-PF: in vitro method

## Notes:

Component/ Sharpening Procedure:  
 1. Pour into lipstick mold. Put sponge in lipstick component, then place bullet in component.  
 3. Slowly sharpen bullet with eyeliner pencil sharpener. Remove sponge and replace sharpened bullet back into the component





KEY-104

# Sparkle Gold Eyeshadow with KTZ® SM CRYSTAL GOLD

%	INGREDIENT	INCI NAME	SUPPLIER
<b>Part 1</b>			
20.00	<b>TALC N-ASG4</b>	Talc (And) Stearoyl Glutamic Acid	<b>Kobo Products</b>
16.60	<b>ZINC STEARATE</b>	Zinc Stearate	Soda Nikka Co., Ltd.-JPY
10.00	<b>YELLOW 5AL-ASG4</b>	Yellow 5 Lake (And) Stearoyl Glutamic Acid	<b>Kobo Products</b>
7.00	<b>MSS-500/20N</b>	Silica	<b>Kobo Products</b>
5.10	<b>MICA S-ASG3</b>	Mica (And) Stearoyl Glutamic Acid	<b>Kobo Products</b>
3.00	<b>SP-10</b>	Nylon-12	<b>Toray/Kobo Products</b>
2.50	<b>BRO-ASG3</b>	Iron Oxides (CI 77491) (And) Stearoyl Glutamic Acid	<b>Kobo Products</b>
<b>Part 2</b>			
9.90	<b>SS4267</b>	Dimethicone (And) Trimethylsiloxysilicate	Momentive
0.90	<b>PHENOXETOL</b>	Phenoxyethanol	Clariant
<b>Part 3</b>			
25.00	<b>KTZ® SM CRYSTAL GOLD</b>	Synthetic Fluorphlogopite (And) Iron Oxides (CI 77491) (And) Silica	<b>Kobo Products</b>
<b>100.00</b>			

## Description:

This vibrant and highly-pigmented pressed eyeshadow is a precious gold shade. The formula applies smoothly as a result of Kobo's Stearoyl Glutamic Acid (ASG) treated pigments and fillers. ASG Treatment is an amino acid coating that offers hydrophobic properties, promotes good skin adhesion and imparts a great creamy feel, especially in powders. MSS-500/20N enhances feel and product payoff. KTZ® SM CRYSTAL GOLD adds an intense, gold sparkling effect. SP-10 is used for enhanced feel and glide over eye lids.

## Manufacturing Procedure:

1. Micropulverize Part 1 until homogeneous. □
2. Add Part 2. Blend well, do not overheat. □
3. Add Part 3. Blend well at low speed. □
4. Press at 450psi.

## Testing:

SPF: in vivo on 3 subjects  
 UVA-PF: in vitro method



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KEY-105

# Aquamarine Shadow with KTZ® SM CRYSTAL WHITE

%	INGREDIENT	INCI NAME	SUPPLIER
<b>Part 1</b>			
20.00	<b>TALC N-ASG4</b>	Talc (And) Stearoyl Glutamic Acid	<b>Kobo Products</b>
16.60	<b>ZINC STEARATE</b>	Zinc Stearate	Soda Nikka Co., Ltd.-JPY
10.00	<b>BTD-ASG2</b>	Titanium Dioxide (And) Stearoyl Glutamic Acid	<b>Kobo Products</b>
7.00	<b>MSS-500/20N</b>	Silica	<b>Kobo Products</b>
5.10	<b>MICA S-ASG3</b>	Mica (And) Stearoyl Glutamic Acid	<b>Kobo Products</b>
3.00	<b>SP-10</b>	Nylon-12	<b>Toray/Kobo Products</b>
2.50	<b>BLUE 1AL-ASG4</b>	Blue 1 Lake (And) Stearoyl Glutamic Acid	<b>Kobo Products</b>
<b>Part 2</b>			
9.90	SS4267	Dimethicone (And) Trimethylsiloxysilicate	Momentive
0.90	PHENOXYTOL	Phenoxyethanol	Clariant
<b>Part 3</b>			
25.00	<b>KTZ® SM CRYSTAL WHITE</b>	Synthetic Fluorphlogopite (And) Titanium Dioxide (And) Silica	<b>Kobo Products</b>
<b>100.00</b>			

## Description:

This trendy, bright Aquamarine shadow goes well with fashion for all seasons. It applies smoothly as a result of Kobo's ASG treated materials. The formula comprises of ASG treated fillers and pigments. Stearoyl Glutamic Acid (ASG) Treatment is an amino acid coating that offers hydrophobic properties, promotes good skin adhesion and imparts a great creamy feel, especially in powders. MSS-500/20N enhances feel and product payoff. KTZ® SM CRYSTAL WHITE provides bright white sparkles. SP-10 is used for enhanced feel and soft focus effect.

## Manufacturing Procedure:

1. Micropulverize Part 1 until homogenous.▫
2. Add Part 2 Blend well do not overheat.▫
3. Add Part 3 Blend well at low speed.▫
4. Press at 450psi.

## Testing:

SPF: in vivo on 3 subjects  
UVA-PF: in vitro method



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KMA-083

# Natural Conventional Mascara

%	INGREDIENT	INCI NAME	SUPPLIER
<b>Part 1</b>			
11.00	Carnauba Wax SP 63P	Copernicia Cerifera (Carnauba) Wax	Strahl & Pitsch
5.50	Montanov™ 68	Cetearyl Alcohol (and) Cetearyl Glucoside	SEPPIC
5.50	Beeswax White Sp 422P	Beeswax	Strahl & Pitsch
2.20	CANDELILLA WAX	Euphorbia Cerifera (Candelilla) Wax	Strahl & Pitsch
<b>Part 2</b>			
16.15	Deonized Water	Water	
8.92	<b>BLACK NF</b>	Iron Oxides (CI 77499)	<b>Kobo Products</b>
1.78	Zemea®	Propanediol	Du Pont & Tate
0.18	Keltrol® CG	Xanthan Gum	CP Kelco
<b>Part 3</b>			
36.05	Deonized Water	Water	
3.57	Nature® Film AP	Pullulan (and) Sorbitol (and) Trehalose (and) Acacia Senegal Gum	Sensient Cosmetic Technologies
0.45	Plantaren® 1200 N UP	Lauryl Glucoside	BASF
<b>Part 4</b>			
2.65	KAOLIN	Kaolin	Imerys
2.65	<b>KoboMica S-25</b>	Mica	<b>Kobo Products</b>
2.65	<b>MSS-500W</b>	Silica	<b>Kobo Products</b>
<b>Part 5</b>			
0.45	<b>CELL-U-LASH™ 90</b>	Cellulose	<b>Kobo Products</b>
<b>Part 6</b>			
0.30	AE Preserve® PCG	Phenethylalcohol (And) Caprylhydroxamic Acid (And) Glycerin	AE Chemie
<b>100.00</b>			

## Description:

Kobo's Natural Mascara formula includes BLACK NF which provides a deep black color to the mascara. The combination of KoboMica S-25 and MSS-500W provides thickness, definition and body to the eye lashes. Cellulose fiber, CELL-U-LASH™ 90, adds volumizing properties and lengthening effect to the lash line.

## Manufacturing Procedure:

1. Heat Part 1 to 85°C in a side beaker, while mixing with spatula.
2. Prepare grind in a side beaker. Pre-mix Keltrol® CG with Zemea® and add DI Water. Start prop mixing. In 5 minutes add BLACK NF. Put grind under homogenizer, homogenize until pigment is fully dispersed.
3. Start making water phase, Part 3 in the main beaker. Combine DI Water with Plantaren® 1200N UP and NatPure® Film AP. Start heating to 80°C-85°C under prop mixer.
4. Add Part 2 (grind phase) to the main beaker (water phase).
5. Start adding microspheres Part 4 to the main beaker (water phase).
6. Once water phase and oil/wax phase reaches 85°C, start emulsifying. Add oil phase to the main beaker and start emulsifying under prop.mixer for 15 minutes off the heat.
7. Start air cooling process. Add Part 5 to the main beaker.
8. Add Part 6 to the main batch at 30°C. Stop mixing at 28°C.

## Testing:

SPF: in vivo on 3 subjects  
UVA-PF: in vitro method



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KLP-101A

# Lipstick Emulsion with TTB

%	INGREDIENT	INCI NAME	SUPPLIER
<b>Part 1</b>			
8.08	Xiameter® PMX-200 Silicone Fluid 1000CS	Dimethicone	Dow Coming
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 Coming
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>Part 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) Trimethylsiloxyisilicate	Momentive
1.00	SF1555	Bis-Phenylpropyl Dimethicone	Momentive
0.50	SFE839	Cyclopentasiloxane (And) Dimethicone/Vinyl Dimethicone Crosspolymer	Momentive
<b>Part 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
<b>100.00</b>			

## Description:

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

## Manufacturing Procedure:

1. Premix the TTB pigments and Dimethicone in Part 1. Mix until uniform with homogenization.
2. Premix Part 2 in 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.

## Active Ingredient(s):

Ethylhexyl Methoxycinnamate 7.50%

## Testing:

SPF: in vivo on 3 subjects  
UVA-PF: in vitro method



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KLP-166

# Comfort Wear Transfer Resistant Lipstick

%	INGREDIENT	INCI NAME	SUPPLIER
<b>Part 1</b>			
11.00	Microcrystalline Wax SP-89	Microcrystalline Wax	Strahl & Pitsch
7.00	Paraffin Wax 434	Paraffin	Strahl & Pitsch
7.00	Permethyl® 101A	Isohexadecane	Presperse
3.00	<b>KOBOGUARD® HRPC</b>	Hydrogenated Polycyclopentadiene (And) Polyethylene (And) Copernicia Cerifera (Carnauba) Wax (And) Tocopherol	<b>Kobo Products</b>
<b>Part 2</b>			
23.00	<b>KOBOGUARD® MQ65TMF</b>	Trimethylsiloxysilicate (And) Methyl Trimethicone	<b>Kobo Products</b>
10.00	<b>KOBOGUARD® 5400 IDD</b>	Hydrogenated Polycyclopentadiene (And) Isododecane	<b>Kobo Products</b>
0.20	<b>CO40SS</b>	Sodium Saccharin (And) Ricinus Communis (Castor) Seed Oil (And) BHT	<b>Kobo Products</b>
<b>Part 3</b>			
8.00	<b>KTZ® ARUBAN CORAL-12</b>	Mica (And) Titanium Dioxide (And) Iron Oxides (CI 77491) (And) Isopropyl Titanium Triisostearate	<b>Kobo Products</b>
7.00	<b>PMLVP45B1A</b>	Blue 1 Lake (And) Isododecane (And) Isohexadecane (And) Lecithin (And) Polyhydroxystearic Acid (And) Ethylene/Propylene/Styrene Copolymer (And) Butylene/Ethylene/Styrene Copolymer (And) Isopropyl Titanium Triisostearate	<b>Kobo Products</b>
5.60	<b>PMLVP75R</b>	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	<b>Kobo Products</b>
5.60	<b>PMLVP40R7D</b>	Isododecane (And) Red 7 Lake (And) Isohexadecane (And) Lecithin (And) Polyhydroxystearic Acid (And) Ethylene/Propylene/Styrene Copolymer (And) Butylene/Ethylene/Styrene Copolymer (And) Isopropyl Titanium Triisostearate	<b>Kobo Products</b>
2.10	<b>PMLVP75B</b>	Iron Oxides (CI 77499) (And) Isododecane (And) Isohexadecane (And) Lecithin (And) Polyhydroxystearic Acid (And) Ethylene/Propylene/Styrene Copolymer (And) Butylene/Ethylene/Styrene Copolymer (And) Isopropyl Titanium Triisostearate	<b>Kobo Products</b>
<b>Part 4</b>			
10.50	Permethyl® 99A	Isododecane	Presperse
<b>100.00</b>			

## Description:

This transfer resistant lipstick features Kobo's film formers KOBOGUARD® MQ65TMF, KOBOGUARD® HRPC and KOBOGUARD® 5400 IDD. The combination of these three film formers makes the product transfer resistant and comfortable to wear. It also features, PMLVP pigmentary dispersions in Isododecane. PMLVP dispersions provide intense matte coverage to lips. KTZ® ARUBAN CORAL-12 complements the formula with pearlescent shine and Sodium Saccharin dispersion in Castor Oil, CO40SS, gives a sweet and pleasant taste.

## Manufacturing Procedure:

1. In main beaker add Part 1 and heat to 85°C, keep tightly covered through whole compounding time. Continue to prop mix until everything is in solution.
2. Lower temperature to 75°C. Slowly add Part 2 and mix until uniform.
3. Maintain the same temperature, slowly add Part 3.
4. Maintain 75°C, slowly add Part 4.
5. Direct fill into air tight direct fill lipstick component at 70-75°C.

## Testing:

SPF: in vivo on 3 subjects  
 UVA-PF: in vitro method



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KLP-214

# Lipstick Deluxe with MST-203 & INWP Dispersions

%	INGREDIENT	INCI NAME	SUPPLIER
<b>Part 1</b>			
37.05	<b>INWP45R7C</b>	Red 7 Lake (And) Isononyl Isononanoate (And) Ozokerite (And) Isopropyl Titanium Triisostearate (And) Polyhydroxystearic Acid	<b>Kobo Products</b>
30.60	<b>INWP75ER</b>	Iron Oxides (CI 77491) (And) Isononyl Isononanoate (And) Ozokerite (And) Isopropyl Titanium Triisostearate (And) Polyhydroxystearic Acid	<b>Kobo Products</b>
6.80	<b>COSMOL™ 222</b>	Diisostearyl Malate	Ikeda
6.45	<b>INWP65U</b>	Titanium Dioxide (And) Isononyl Isononanoate (And) Ozokerite (And) Isopropyl Titanium Triisostearate (And) Polyhydroxystearic Acid	<b>Kobo Products</b>
3.00	<b>MST-203</b>	Polymethylsilsesquioxane	<b>Kobo Products</b>
3.00	<b>KOBOGUARD® 5400 CCT</b>	Hydrogenated Polycyclopentadiene (And) Caprylic/Capric Triglyceride	<b>Kobo Products</b>
0.10	<b>Euxyl® PE 9010</b>	Phenoxyethanol (And) Ethylhexylglycerin	Schulke & Mayr
<b>Part 2</b>			
5.00	<b>Plandool™-LG1</b>	Phytosteryl/Behenyl/Octyldodecyl Lauroyl Glutamate	<b>Nippon/Kobo Products</b>
5.00	<b>Performalene™ M 70 Wax</b>	Synthetic Wax	New Phase
3.00	<b>PM WAX 82</b>	Polyethylene (And) Microcrystalline Wax	<b>Toray/Kobo Products</b>
<b>100.00</b>			

## Description:

Lipstick Deluxe is a brightly pigmented chic and stylish product. The formula features PLANDOOL™- LG1, a high melt point waxy material that forms moisture barrier protection on the lips. Kobo's creamy INWP Pigmentary Dispersions ease the manufacturing and laboratory process by melting into the lipstick batch around 75-80°C. They give a uniformly developed background color. PM WAX 82 provides structure to the stick. Kobo's MST-203, which gives a creamy cushion with improved payoff, is used to add smoothness and optical blurring of fine lines and wrinkles on lips. KOBOGUARD® 5400 CCT is added to increase wear.

## Manufacturing Procedure:

1. Combine Part 1. Homogenize until fully developed. □
2. Add Part 2. Prop mix at 95°C until homogeneous. □
3. Pour at 80°C.

## Testing:

SPF: in vivo on 3 subjects  
 UVA-PF: in vitro method



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KLP-224

# Water Glossy Lips

%	INGREDIENT	INCI NAME	SUPPLIER
<b>Part 1</b>			
50.79	Deionized Water	Water	
0.30	Veegum® HV	Magnesium Aluminum Silicate	R.T. Vanderbilt
<b>Part 2</b>			
0.01	K7053 D&C Red 27	Red 27	Sensient Cosmetic Technologies
<b>Part 3</b>			
1.50	Tegosoft® PSE 141 G	Sucrose Stearate	Evonik
	Tegosoft® PSE 141 G		
	Tegosoft® PSE 141 G		
0.90	Phenoxetol™	Phenoxyethanol	Clariant
0.50	Sulfochem™ SLN-95 (Pellets)	Sodium Lauryl Sulfate	Lubrizol
<b>Part 4</b>			
18.00	Eutanol® G	Octyldodecanol	BASF
2.00	Ethocel™ Std 100 Premium	Ethylcellulose	Dow Chemical
<b>Part 5</b>			
7.00	CPF-3300@10cSt	Phenyl Trimethicone	Avantor/Kobo Products
3.00	Liposorb® S	Sorbitan Stearate	Vantage
2.50	Lipocol® C	Cetyl Alcohol	Vantage
<b>Part 6</b>			
8.00	INWP45R7C	Red 7 Lake (And) Isononyl Isononanoate (And) Ozokerite (And) Isopropyl Titanium Triisostearate (And) Polyhydroxystearic Acid	Kobo Products
2.00	INWP65U	Titanium Dioxide (And) Isononyl Isononanoate (And) Ozokerite (And) Isopropyl Titanium Triisostearate (And) Polyhydroxystearic Acid	Kobo Products
<b>Part 7</b>			
2.00	MSS-500W	Silica	Kobo Products
<b>Part 8</b>			
1.50	KOBOGUARD® 50AMP	Acrylates/Ethylhexyl Acrylate Copolymer (And) Water (And) Aminomethyl Propanol	Kobo Products
<b>100.00</b>			

## Description:

This luxurious, vibrant oil/water emulsion-based lip formula exhibits a comfortable, creamy feel. It instantly adheres to the lips as a second skin, wrapping them in a bright, substantial, uniform color layer. It features Kobo's creamy INWP Pigmentary Dispersions, which ease the manufacturing and laboratory process by melting into the batch around 75-80°C. CPF-3300@10cSt is an emollient silicone with low viscosity which adds a light feel and spreadability during application. MSS-500W fills lines and prevents feathering. KOBOGUARD® 50AMP contributes to a liquid barrier and provides adhesion to lips.

## Manufacturing Procedure:

1. Pre-weight DI Water and prop mix prior to addition of colloid-Veegum HV. Mix until fully hydrated (30 min.) under moderate speed mixing with high shear propeller. Heat this phase to 75°C.
2. Combine Parts 1 and 2. Homomix for 1 hour until uniform.
3. Combine Part 3 then add to Parts 1 and 2, homogenizing.
4. Combine Part 4 at 90°C, prop mix for 1 hour at 600rpm until clear and smooth.
5. Remove Part 4 from heat, mix for 2 hours at room temp.
6. Combine Parts 4, 5 and 6, prop mixing at 80°C until uniform.
7. Slowly add Oil phase (Parts 4, 5 and 6) to water phase (Parts 1, 2 and 3) while homogenizing for 15 minutes, maintain 70°C. Start cooling to 45°C.
8. Slowly add Parts 7 and 8, respectively, below 45°C, while cooling batch to 30°C.

## Testing:

SPF: in vivo on 3 subjects  
UVA-PF: in vitro method



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KFL-170-BR

# Charcoal + Scrub Face Mask

%	INGREDIENT	INCI NAME	SUPPLIER
<b>Part 1</b>			
56.40	Deionized Water	Water	
20.00	Glicerina Bi-Destilada U.S.P.	Glycerin	Synth
0.60	Goma Xantana	Xanthan Gum	M Cassab
<b>Part 2</b>			
5.00	Tersil® CB	Kaolin	Terramater
2.50	<b>CHARCOAL POWDER</b>	Charcoal Powder	<b>Adsorb/Kobo Products</b>
<b>Part 3</b>			
5.00	<b>SunBoost ATB</b>	Argania Spinosa Kernel Oil (And) Tocopheryl Acetate (And) Bisabolol	<b>Kobo Products</b>
2.00	Montanov™ 68	Cetearyl Alcohol (and) Cetearyl Glucoside	SEPPIC
1.50	Oliwax®	Hydrogenated Olive Oil, Olea Europaea (Olive) Fruit Oil, Olea Europaea (Olive) Oil Unsaponifiables	QuantiQ
<b>Part 4</b>			
5.00	<b>KoboScrub™ SD-200</b>	Silica	<b>Kobo Products</b>
<b>Part 5</b>			
1.00	<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>Part 6</b>			
1.00	Cosmoguard® SL CP	Phenoxyethanol (and) Ethylhexylglycerin	Cosmotec
<b>100.00</b>			

## Description:

This Mask features KoboScrub™ SD-200, a natural scrubbing bead, which imparts exfoliation to the skin and CHARCOAL POWDER, a natural and highly porous powder, which absorbs impurities from the skin. Skin moisturizing ingredients are Kobo's Glycosphere Cn-HAHWS, with encapsulated Sodium Hyaluronate, and SunBoost ATB which imparts excellent skin conditioning properties and emolliency, while soothing skin due to its Bisabolol and Vitamin E content.

## Manufacturing Procedure:

1. Combine Part 1 under propeller mixing.
2. Add Part 2, mix until homogeneous and heat to 75-80°C.
3. Combine Part 3 and heat to 75-80°C.
4. Add Part 3 to Parts 1 and 2 and mix until homogeneous.
5. Cool batch to 50°C and add Part 4. Mix until homogeneous.
6. Add Part 5 and mix until homogeneous.
7. Add Part 6 and mix until homogeneous.

## Testing:

SPF: in vivo on 3 subjects  
UVA-PF: in vitro method



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KFL-182

# Pure Gold Hydrating Mask

%	INGREDIENT	INCI NAME	SUPPLIER
<b>Part 1</b>			
59.00	Deionized Water	Water	
8.90	Diglycerol	Diglycerin	Solvay
0.40	Sodium Chloride	Sodium Chloride	Morton Salt
0.20	Trisodium Citrate Dihydrate	Sodium Citrate	Jungbunzlauer
<b>Part 2</b>			
10.00	<b>KTZ® SM NOBLE GOLD</b>	Synthetic Fluorophlogopite (And) Titanium Dioxide (And) Iron Oxides (CI 77491)	<b>Kobo Products</b>
7.50	Xiameter® PMX-200 Silicone Fluid 5 CS	Dimethicone	Dow Corning
4.00	KSG-210	Dimethicone (and) Dimethicone/PEG-10/15 Crosspolymer	Shin-Etsu
3.00	<b>KTZ® EXTRAFINE SUNGLOW</b>	Mica (And) Iron Oxides (CI 77491)	<b>Kobo Products</b>
2.00	KSG-15	Cyclopentasiloxane (And) Dimethicone/Vinyl Dimethicone Crosspolymer	Shin-Etsu
<b>Part 3</b>			
1.00	Denatured Ethanol	Alcohol	Chemical.net
<b>Part 4</b>			
4.00	Simulgel™ EG	Sodium Acrylate/Sodium Acryloyldimethyl Taurate Copolymer (And) Isohexadecane (And) Polysorbate 80	SEPPIC
<b>100.00</b>			

## Description:

This hydrating gold-colored mask features an optimized blend of KTZ® SM NOBLE GOLD, a synthetic mica substrate pearlescent pigment and KTZ® EXTRAFINE SUNGLOW, a natural mica substrate pearlescent pigment. In combination, these pearls impart an elegant gold shimmer color to the formula.

## Manufacturing Procedure:

1. Combine Part 1 and propeller mix until homogeneous. □
2. Combine Part 2 and mix until homogeneous.
3. Slowly add Part 1 to Part 2 and mix until uniform. □
4. Slowly add Part 3. □
5. Slowly add Part 4 and mix until homogeneous.

## Testing:

SPF: in vivo on 3 subjects  
 UVA-PF: in vitro method





KFL-231

# Brightening Turmeric Cream

%	INGREDIENT	INCI NAME	SUPPLIER
<b>Part 1</b>			
67.40	Deionized Water	Water	
1.50	AMP Ultra® PC 2000	2-Aminoisobutanol	Angus Chemical Company
1.00	Glycerin U.S.P. F.C.C. 96%	Glycerin	Ruger Chemical
<b>Part 2</b>			
12.00	Dermofat 4919	Stearic Acid	Alzo International
5.00	SunBoost ATB	Argania Spinosa Kernel Oil (And) Tocopheryl Acetate (And) Bisabolol	Kobo Products
5.00	Dermol 25B	C12-15 Alkyl Benzoate	Alzo International
3.00	Lipo® GMS-450	Glyceryl Stearate	Vantage
0.10	SW40Y5A	Synthetic Wax (And) Yellow 5 Lake (CI 19140) (And) Isopropyl Titanium Triisostearate	Kobo Products
<b>Part 3</b>			
0.50	Mikrokill® COS	Phenoxyethanol (And) Chlorphenesin (And) Caprylyl Glycol	Lonza
<b>Part 4</b>			
3.00	HV-GOLD	Synthetic Fluorophlogopite (And) Titanium Dioxide (And) Polymethyl Methacrylate (And) Tin Oxide (And) Polyvinyl Alcohol	Nikko/Kobo Products
1.00	MSS-500W	Silica	Kobo Products
<b>Part 5</b>			
0.50	Tego® Turmerone	Curcuma Longa (Turmeric) Root Extract	Evonik
<b>100.00</b>			

## Description:

This turmeric cream hides blemishes and brightens skin with a natural glow. It features HV-GOLD, a PMMA coated pearl that gives a subtle sheen to create the brightening effect. Also included is SunBoost ATB, a proprietary ratio of anti-oxidant, anti-irritant and anti-inflammatory agents, that conditions, moisturizes and nourishes the skin. Silica microsphere MSS-500W reduces tack and improves skin feel. The easy addition of SW40Y5A provides the bright yellow shade of the cream.

## Manufacturing Procedure:

1. Mix Part 1 under propeller mixing and heat to 70°C.
2. Mix Part 2 in a side beaker with slow agitation while heating to 70°C.
3. Add Part 2 to Part 1 and continue propeller mixing. Remove from heat.
4. Add Part 3, followed by Part 4.
5. Switch to side sweep while batch continues to cool.
6. Add Part 5 when the batch reaches 50°C.

## Testing:

SPF: in vivo on 3 subjects  
 UVA-PF: in vitro method

## Notes:

Gently pat cream around dark spots and blemishes.



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# KHP-020-BR Instant Highlights

%	INGREDIENT	INCI NAME	SUPPLIER
<b>Part 1</b>			
79.20	Water	Water	
0.80	Aristoflex® Velvet	Polyacrylate Crosspolymer-11	Clariant
<b>Part 2</b>			
5.00	WSJ20EYAMP-O	Water (And) Acrylates/Ethylhexyl Acrylate Copolymer (And) Iron Oxides (CI 77492) (And) Sodium Acrylate/Sodium Acryloyldimethyl Taurate Copolymer (And) Aminomethyl Propanol	Kobo Products
2.00	WSJ28PFAMP-O	Water (And) Acrylates/Ethylhexyl Acrylate Copolymer (And) Titanium Dioxide (And) Sodium Acrylate/Sodium Acryloyldimethyl Taurate Copolymer (And) Alumina (And) Aminomethyl Propanol	Kobo Products
<b>Part 3</b>			
1.00	Liquid Germall® Plus	Propylene Glycol (And) Diazolidinyl Urea (And) Iodopropynyl Butylcarbamate	Ashland
<b>Part 4</b>			
6.00	KTZ® CELANDON GOLD	Titanium Dioxide (And) Mica (And) Iron Oxides (CI 77491)	Kobo Products
4.00	MSS-500/20N	Silica	Kobo Products
2.00	K-RAY® LIGHT GOLD	Mica (And) Iron Oxides (CI 77491)	Kobo Products
<b>100.00</b>			

## Description:

This product transforms the hair into a blond color instantly. It features WSJ pigmentary dispersions that provide color and increase water and rub resistance at the same time. For increased payoff and volume it has MSS-500/20N, a silica microsphere. For shine and sparkle it has a combination of effect pigments: K-RAY® LIGHT GOLD and KTZ® CELANDON GOLD.

## Manufacturing Procedure:

1. Mix Part 1 until it forms a gel.
2. Add Part 2 and mix until complete dispersion of the pigments.
3. Add Parts 3 and 4 and mix well.

## Testing:

SPF: in vivo on 3 subjects  
UVA-PF: in vitro method



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