

# FORMULARY

in-cosmetics® asia 2017

**KOBO**

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KSL-269A

# Balanced W/O Sunscreen Milk



%	INGREDIENT	INCI NAME	SUPPLIER
<b>Part 1</b>			
35.00	CM3K50XZ4	Zinc Oxide (And) Cyclopentasiloxane (And) PEG-10 Dimethicone (And) Methicone	Kobo Products
30.00	CM3K40T4	Cyclopentasiloxane (And) Titanium Dioxide (And) PEG-10 Dimethicone (And) Alumina (And) Hydrogen Dimethicone	Kobo Products
11.50	Permethyl 99A	Isododecane	Presperse
3.00	BPD-500	HDI/Trimethylol Hexyllactone Crosspolymer (And) Silica	Kobo Products
2.00	KSP-102	Vinyl Dimethicone/Methicone Silsesquioxane Crosspolymer	Shin Etsu
1.00	Lipo Polyglycol® 400	PEG-8	Vantage
0.50	Wickenol 155	Ethylhexyl Palmitate	Alzo International Inc.
<b>Part 2</b>			
1.50	SR1000	Trimethylsiloxysilicate	Momentive
1.50	Permethyl 99A	Isododecane	Presperse
<b>Part 3</b>			
7.75	Deionized Water	Water	
5.00	Glycerin U.S.P. Natural 96%	Glycerin	Ruger Chemical
1.00	Germaben® II	Propylene Glycol (And) Diazolidinyl Urea (And) Methylparaben (And) Propylparaben	ISP
0.20	Sodium Citrate	Sodium Citrate	DSM Nutritional Products
0.05	EDTA-3Na	Trisodium EDTA	DSM Nutritional Products
<b>100.00</b>			

## Description:

A very thin 'milk' type sunscreen with high SPF and UVA that glides effortlessly onto the skin. CM3K40T4 is a low-whitening TiO2 dispersion that allows the formula to attain a high SPF. ZnO dispersion, CM3K50XZ4 improves UVA to yield a UV Balanced formula with minimal whitening. Kobo Microsphere, BPD-500, is a microsphere that gives soft focus and enhanced feel.

## Manufacturing Procedure:

1. Dissolve and disperse each Part uniformly.
2. Combine Part 2 with propeller mixing for 1 hour until homogenous.
2. While mixing Part 1 with homogenizer at 2500rpm add Part 2 to Part 1 gradually.
3. Combine Part 3 until homogenous.
4. Slowly add Part 3 to Parts 1 and 2 at 4000rpm for 5 minutes with homogenizer.

## Active Ingredient(s):

Titanium Dioxide 8.70%  
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-271

# O/W Sunscreen with TNSS75MZCM



%	INGREDIENT	INCI NAME	SUPPLIER
<b>Part 1</b>			
45.70	Deionized Water	Water	
<b>Part 2</b>			
5.00	Niacinamide USP, FCC Powder	Niacinamide	EMD Chemicals Inc.
1.00	Liposorb® L-20	Polysorbate 20	Vantage
0.20	Methyl Paraben NF	Methylparaben	International Sourcing
<b>Part 3</b>			
4.00	Glycerin U.S.P. Natural 96%	Glycerin	Cognis Corp.
0.20	KELTROL® CG	Xanthan Gum	CP Kelco
<b>Part 4</b>			
9.80	<b>TNSS75MZCM</b>	Zinc Oxide (And) Ethylhexyl Methoxycrylene (And) C12-15 Alkyl Benzoate (And) Polyhydroxystearic Acid (And) Hydrogen Dimethicono	<b>Kobo Products</b>
9.50	Dermol 25B	C12-15 Alkyl Benzoate	Alzo International Inc.
8.65	<b>HBP45TEL</b>	Butyloctyl Salicylate (And) Titanium Dioxide (And) Alumina (And) Silica (And) Stearic Acid (And) Polyhydroxystearic Acid	<b>Kobo Products</b>
5.00	<b>SunBoost ATB™</b>	Argania Spinosa Kernel Oil (And) Tocopheryl Acetate (And) Bisabolol	<b>Kobo Products</b>
2.45	Lipopeg® 100-S	PEG-100 Stearate	Vantage
1.00	Lipo® GMS 450	Glyceryl Stearate	Vantage
0.40	Shea Butter	Shea Butter	Cognis Corp.
0.10	Propyl Paraben NF	Propylparaben	International Sourcing
<b>Part 5</b>			
3.00	<b>MSS-500W</b>	Silica	<b>Kobo Products</b>
1.00	Sepigel™ 305	Polyacrylamide (And) C13-14 Isoparaffin (And) Laureth-7	ChemUnion/SEPPI C
<b>Part 6</b>			
3.00	<b>DAITOSOL 5000AD</b>	Acrylates Copolymer (And) Water	<b>Daito/Kobo Products</b>
100.00			

## Description:

This O/W sunscreen features Kobo's Non-Nano Titanium Dioxide dispersion, HBP45TEL, to help achieve high SPF while offering minimal whitening without using a nanoparticle. Also featured is TNSS75MZCM, Kobo's Non-Nano Zinc Oxide dispersion, that contains Ethylhexyl Methoxycrylene to maintain the integrity of the UV filter and boost critical wavelength. SunBoost ATB™, which contains a proprietary ratio of anti-oxidants, anti-irritant and anti-inflammatory agents, helps boost SPF and PFA. To give water-resistant properties DAITOSOL 5000AD, a transparent type of film former, is used in this sunscreen. Kobo's spherical silica microsphere, MSS-500W, gives slip during application and reduces shine on the skin.

## Manufacturing Procedure:

1. Combine Parts 1 and 2 and heat to 70°C.
2. Combine Part 3 ingredients into a slurry and add to Parts 1 and 2 while mixing.
3. Combine Part 4 and heat to 70°C.
4. Combine Parts 1 and 2 with Part 3 under homogenization.
5. Slowly add Part 4 to Part 1, 2 & 3 until homogenous.
6. Cool Batch to 35°C then add Part 5 & 6 until homogenous.

## Active Ingredient(s):

Titanium Dioxide	3.54%
Zinc Oxide	7.15%

## Testing:

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



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KSL-336

# Natural Sunscreen Stick for Babies



%	INGREDIENT	INCI NAME	SUPPLIER
<b>Part 1</b>			
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
100.00			

## Description:

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.

## Manufacturing Procedure:

1. In main beaker, add Part 1, heat to 80°C and mix until homogeneous.
2. Pour into components at 65-70°C.

## Active Ingredient(s):

Titanium Dioxide	9.41%
Zinc Oxide	17.83%

## Testing:

SPF: in vivo on 3 subjects  
CW: FDA method



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# KSL-344-BR Sport Sunscreen



%	INGREDIENT	INCI NAME	SUPPLIER
<b>Part 1</b>			
37.40	Deionized Water	Water	
3.00	Glycerin	Glycerin	CAAL
0.80	Liposorb® L-20	Polysorbate 20	Vantage
<b>Part 2</b>			
16.50	<b>HBQP75FZS</b>	Zinc Oxide (And) Butyloctyl Salicylate (And) Polyhydroxystearic Acid (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	<b>Kobo Products</b>
9.00	<b>SALACOS® 99</b>	Isononyl Isononanoate	<b>Ikeda/Kobo Products</b>
8.00	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>
100.00			

## 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. It also has a combination of ZnO and TiO2 dispersions with boosters, SunBoost ATB™ and Butyloctylsalicylate, that provide 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, helps reduce tackiness and give soft focus.

## Manufacturing Procedure:

1. Combine Part 1
2. Mix Part 2 and add to Part 1 slowly while mixing.
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	5.00%
Zinc Oxide	11.80%

## Testing:

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







# KLF-140 Thin Liquid Foundation

%	INGREDIENT	INCI NAME	SUPPLIER
<b>Part 1</b>			
30.80	PMX-0246	Cyclohexasiloxane	Xiameter
10.14	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
6.00	Xiameter PMX-200 Silicone Fluid 20CS	Dimethicone	Dow Corning
5.00	CXG-1104	Dimethicone (And) Dimethicone/Vinyl Dimethicone Crosspolymer	Avantor/Kobo Products
4.10	Dow Corning 556 Fluid	Phenyl Trimethicone	Dow Corning
2.50	KF-6017	PEG-10 Dimethicone	Shin Etsu
1.52	PMLVP65Y	Iron Oxides (CI 77492) (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
1.00	Bentone Gel® ISD V	Isododecane (And) Distearidimonium Hectorite (And) Propylene Carbonate	Elementis Specialties
0.39	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
0.26	PMLVP75B	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	Kobo Products
<b>Part 2</b>			
28.19	Deionized Water	Water	
1.00	Optiphen™ Plus	Phenoxyethanol (And) Caprylyl Glycol (And) Sorbic Acid	ISP
1.00	Glycerin U.S.P. Natural 96%	Glycerin	Ruger Chemical Co., Inc.
0.10	Disodium EDTA	Disodium EDTA	Dow Chemical
<b>Part 3</b>			
5.00	Ethanol 24,511-9	Ethyl Alcohol	Aldrich Chemical Co.
<b>Part 4</b>			
3.00	BPD-500	HDI/Trimethylol Hexyllactone Crosspolymer (And) Silica	Kobo Products
100.00			

## Description:

This is a lightweight liquid-to-powder foundation. CXG-1104 is a silicone elastomer that provides a silky, powdery feel without cyclics. PMLVP dispersions give great color development and contribute to the fast drying and lightweight feel of the formula. BPD-500 gives a powdery slip during application, a soft focus effect, and helps achieve a matte finish.

## Manufacturing Procedure:

1. Combine Part 1 and mix well.
2. Combine Part 2 and mix well.
3. While homogenizing Part 1, slowly add Part 2.
4. While homogenizing add Part 3 and Part 4.





KLF-189A

# W/Si Liquid Foundation with FADM/TTB Dispersions

%	INGREDIENT	INCI NAME	SUPPLIER
<b>Part 1</b>			
23.30	<b>MTM3F40T7</b>	Methyl Trimethicone (And) Titanium Dioxide (And) Alumina (And) Hydrogen Dimethicone (And) Lauryl PEG-9 Polydimethylsiloxyethyl Dimethicone	<b>Kobo Products</b>
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	<b>FADM65UTB</b>	Titanium Dioxide (And) Dimethicone (And) PEG/PPG-18/18 Dimethicone (And) Isopropyl Titanium Triisostearate (And) Triethoxysilylethyl Polydimethylsiloxyethyl Dimethicone (And) Tocopheryl Acetate	<b>Kobo Products</b>
2.60	<b>FADM55YTB</b>	Iron Oxides (CI 77492) (And) Dimethicone (And) PEG/PPG-18/18 Dimethicone (And) Isopropyl Titanium Triisostearate (And) Triethoxysilylethyl Polydimethylsiloxyethyl Dimethicone (And) Tocopheryl Acetate	<b>Kobo Products</b>
2.50	SALACOS® 99	Isononyl Isononanoate	Ikeda Corporation
2.50	<b>KOBOGUARD® MQ65TMF</b>	Trimethylsiloxy silicate (And) Methyl Trimethicone	<b>Kobo Products</b>
2.50	Lexol® PG-865	Propylene Glycol Dicaprylate/Dicaprate	Inolex
1.00	<b>SUMECTON SAN-P</b>	Quaternium-18 Hectorite	<b>Kobo Products</b>
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	<b>FADM55RTB</b>	Iron Oxides (CI 77491) (And) Dimethicone (And) PEG/PPG-18/18 Dimethicone (And) Isopropyl Titanium Triisostearate (And) Triethoxysilylethyl Polydimethylsiloxyethyl Dimethicone (And) Tocopheryl Acetate	<b>Kobo Products</b>
0.25	<b>FADM60BTB</b>	Iron Oxides (CI 77499) (And) Dimethicone (And) PEG/PPG-18/18 Dimethicone (And) Isopropyl Titanium Triisostearate (And) Triethoxysilylethyl Polydimethylsiloxyethyl Dimethicone (And) Tocopheryl Acetate	<b>Kobo Products</b>
<b>Part 2</b>			
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
<b>100.00</b>			

## Description:

This W/Si Liquid Foundation features MTM3F40T7, TiO2 dispersion in methyl trimethicone, a non-D5 volatile silicone carrier with excellent skin feel. FADM/TTB 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.

## Manufacturing Procedure:

1. Combine Parts 1 and homogenize for 20 minutes at 5000rpm.
2. Combine Part 2 until homogenous, and slowly add to Part 1 until fully dispersed.

## Active Ingredient(s):

Titanium Dioxide 7.37%



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# KLF-220-BR Cover Drops

%	INGREDIENT	INCI NAME	SUPPLIER
<b>Part 1</b>			
20.00	Deionized Water	Water	
2.00	Glicerina	Glycerin	Mapric
0.80	Cloreto de Sódio	Sodium Chloride	CAAL
<b>Part 2</b>			
25.00	<b>FAS65UTB</b>	Titanium Dioxide (And) Cyclopentasiloxane (And) PEG/PPG-18/18 Dimethicone (And) Isopropyl Titanium Triisostearate (And) Triethoxysilylethyl Polydimethylsiloxyethyl Dimethicone (And) Disteardimonium Hectorite (And) Tocopheryl Acetate	<b>Kobo Products</b>
14.00	Xiameter® PMX- 0245	Cyclopentasiloxane	Dow Corning
10.00	Xiameter® PMX-200 Silicone Fluid 20CS	Dimethicone	Dow Corning
8.00	<b>SALACOS® 99</b>	Isononyl Isononanoate	<b>Ikeda/Kobo Products</b>
8.00	<b>FAS50YTB</b>	Iron Oxides (CI 77492) (And) Cyclopentasiloxane (And) PEG/PPG-18/18 Dimethicone (And) Isopropyl Titanium Triisostearate (And) Triethoxysilylethyl Polydimethylsiloxyethyl Dimethicone (And) Disteardimonium Hectorite (And) Tocopheryl Acetate	<b>Kobo Products</b>
4.00	<b>MST-547</b>	Polymethylsilsesquioxane	<b>Kobo Products</b>
2.50	ABIL® EM 90	Cetyl PEG/PPG-10/1 Dimethicone	Evonik
2.00	Bentone Gel® VS 5 PCV	Cyclopentasiloxane, Disteardimonium Hectorite, Propylene Carbonate	Elementis/Cosmotec
1.50	<b>FAS65RTB</b>	Iron Oxides (CI 77491) (And) Cyclopentasiloxane (And) PEG/PPG-18/18 Dimethicone (And) Isopropyl Titanium Triisostearate (And) Triethoxysilylethyl Polydimethylsiloxyethyl Dimethicone (And) Disteardimonium Hectorite (And) Tocopheryl Acetate	<b>Kobo Products</b>
1.00	Glucate™ DO Emulsifier	Methyl Glucose Dioleate	Lubrizon
0.80	Cosmoguard® SL CP	Phenoxyethanol (and) Ethylhexylglycerin	Cosmotec
0.40	<b>FAS70BTB</b>	Iron Oxides (CI 77499) (And) Cyclopentasiloxane (And) PEG/PPG-18/18 Dimethicone (And) Isopropyl Titanium Triisostearate (And) Triethoxysilylethyl Polydimethylsiloxyethyl Dimethicone (And) Disteardimonium Hectorite (And) Tocopheryl Acetate	<b>Kobo Products</b>
100.00			

## Description:

This foundation has superior coverage and can be added into another product to give a touch of color to it. It features Kobo's pigmentary dispersions FAS, a hybrid treated pigment that offers nice feel and affinity with the skin, dispersed in D5 silicone. This dispersion allows a high concentration of pigments in the formula without increasing viscosity, and helps maintain spreadability. It also has SALACOS® 99, a light ester, and MST-547, a silicone microsphere that gives a nice feel and helps with soft focus.

## Manufacturing Procedure:

1. Mix Part 2 until complete dispersion of the pigments.
2. Combine Part 1 and add to Part 2 while mixing.





KLF-224

## W/O Aerosol BB Cream - Non D5

%	INGREDIENT	INCI NAME	SUPPLIER
<b>Part 1</b>			
23.05	ELEMENT14 PDMS 5-A	Dimethicone	Momentive Performance Materials Inc
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
7.45	FADM65UTB	Titanium Dioxide (And) Dimethicone (And) PEG/PPG-18/18 Dimethicone (And) Isopropyl Titanium Triisostearate (And) Triethoxysilylethyl Polydimethylsiloxyethyl Dimethicone (And) Tocopheryl Acetate	Kobo Products
4.90	X-22-6711D	Dimethicone (And) PEG/PPG-18/18 Dimethicone	Shin-Etsu
3.58	TNP65MZS	Zinc Oxide (And) C12-15 Alkyl Benzoate (And) Polyhydroxystearic Acid (And) Triethoxycaprylylsilane	Kobo Products
2.00	Abil® EM 90	Cetyl PEG/PPG-10/1 Dimethicone	Evonik
2.00	BN30-I2	Boron Nitride (And) Isopropyl Titanium Triisostearate	Kobo Products
2.00	CPF-3300@10cSt	Phenyl Trimethicone	Avantor/Kobo Products
1.35	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
0.70	CXG-1104	Dimethicone (And) Dimethicone/Vinyl Dimethicone Crosspolymer	Avantor/Kobo Products
0.40	SF1188A	PEG/PPG-20/15 Dimethicone	Momentive Performance Materials Inc
0.22	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
0.10	Propyl Paraben NF	Propylparaben	Charkit Chemical Corp
0.10	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
<b>Part 2</b>			
25.90	Deionized Water	Water	
1.00	Magnesium Sulfate	Magnesium Sulfate	Fisher Scientific
0.70	Sodium Chloride	Sodium Chloride	Morton Salt
0.10	Methyl Paraben NF	Methylparaben	Charkit Chemical Corp
<b>Part 3</b>			
7.90	Glycerin U.S.P. Natural 96%	Glycerin	Univar USA Inc.
0.15	Keltrol® CG	Xanthan Gum	CP Kelco
<b>Part 4</b>			
2.00	SP-10	Nylon-12	Kobo Products
1.50	BPD-500W	HDI/Trimethylol Hexyllactone Crosspolymer (And) Silica	Kobo Products
1.00	SR1000	Trimethylsiloxy silicate	Momentive Performance Materials Inc
1.00	MSS-500/N	Silica	Kobo Products
1.00	MSS-500W	Silica	Kobo Products
100.00			

## Description:

This Non-D5 BB Cream features Kobo's TiO2 Dispersion, TNP50T7-ATB for UVA/UVB protection. It contains antioxidant, anti-irritant, and anti-inflammatory agents, to boost SPF/PFA. ZnO Dispersion, TNP65MZS, also helps achieve SPF. FADM/TTB Pigmentary Dispersions provide coverage. They showcase the versatility of TTB treated pigments in the dispersions which perform well here in the silicone phase. MSS-500W, MSS-500/N, SP-10 and BPD-500W give excellent application and soft focus. BN30-I2, surface-treated Boron Nitride contributes superior softness and tactility, superb spreadability, excellent adherence, and sheer coverage. Phenyl Trimethicone CPF-3300@10cSt gives the improved payoff. CXG-1104 is a silicone elastomer that provides a silky, powdery feel without cyclics.

## Manufacturing Procedure:

1. Combine Part 1 under homogenizer until fully dispersed.
2. Combine Part 2 under prop mix until homogenous then slowly add Part 3 Slurry to batch until homogenous.
3. Slowly add water Phase, Parts 2 and 3, into Part 1 while homogenizing.
4. Slowly add Part 4 to batch until homogenous.

## Active Ingredient(s):

Titanium Dioxide	4.60%
Zinc Oxide	2.21%



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KPP-104A

# Creamy Pressed Powder with KoboBlur™ 100 Natural

%	INGREDIENT	INCI NAME	SUPPLIER
<b>Part 1</b>			
70.48	<b>GMS-ASG3</b>	Mica (And) Stearoyl Glutamic Acid	<b>Kobo Products</b>
10.00	<b>KoboBlur™ 100 Natural</b>	Silica (And) Cellulose (And) Mica (And) Barium Sulfate (And) Titanium Dioxide (And) Jojoba Esters	<b>Kobo Products</b>
7.00	<b>BTD-ASG2</b>	Titanium Dioxide (And) Stearoyl Glutamic Acid	<b>Kobo Products</b>
2.20	<b>ZINC MYRISTATE</b>	Zinc Myristate	<b>Kobo Products</b>
1.00	<b>BYO-ASG3</b>	Iron Oxides (CI 77492) (And) Stearoyl Glutamic Acid	<b>Kobo Products</b>
0.86	<b>BRO-ASG3</b>	Iron Oxides (CI 77491) (And) Stearoyl Glutamic Acid	<b>Kobo Products</b>
0.46	<b>BBO-ASG3</b>	Iron Oxides (CI 77499) (And) Stearoyl Glutamic Acid	<b>Kobo Products</b>
<b>Part 2</b>			
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) Trimethylsiloxy silicate	Momentive
<b>100.00</b>			

## 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.

## 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.





KPP-105A-BR

# Super Creamy Pressed Powder

%	INGREDIENT	INCI NAME	SUPPLIER
<b>Part 1</b>			
85.30	TALC AJM	Talc	Kobo Products
3.00	BTD-401	Titanium Dioxide (And) Isopropyl Titanium Triisostearate	Kobo Products
2.00	CARESS® BN06	Boron Nitride	Kobo Products
2.00	BYO-I2	Iron Oxides (CI 77492) (And) Isopropyl Titanium Triisostearate	Kobo Products
1.50	ZINC MYRISTATE	Zinc Myristate	Kobo Products
0.66	BRO-I2	Iron Oxides (CI 77491) (And) Isopropyl Titanium Triisostearate	Kobo Products
0.34	BBO-I2	Iron Oxides (CI 77499) (And) Isopropyl Titanium Triisostearate	Kobo Products
0.10	Propilparabeno	Propylparaben	Cosmotec
0.10	Metilparabeno	Metylparaben	Cosmotec
<b>Part 2</b>			
3.50	SALACOS® P-8	Ethylhexyl Palmitate	Ikeda/Kobo Products
1.50	Xiameter PMX-200 Silicone Fluid 50CS	Dimethicone	Dow Corning
100.00			

## Description:

This economical pressed powder features ITT treated pigments and Mica that give great feel and adherence on the skin. Kobo's TALC AJM is an odorless, fine, white powder with anti-caking properties to improve feel. ZINC MYRISTATE works as a dry binder due to its good pressability. SALACOS® P-8 acts as liquid binders and helps to achieve an enhanced feel. CARESS® BN06 gives a creamy and luxurious feel.

## Manufacturing Procedure:

1. Blend Part 1 until the pigments are fully dispersed
2. Add Part 2 drop by drop and mix well until the binders are dispersed.
3. Pass the bulk through the sieve 2 times.
4. Press at 500psi.

## Notes:

KPP-105-BR has EA-209 and version A has CARESS® BN06





KEL-004B

# Waterproof Gel Eyeliner

%	INGREDIENT	INCI NAME	SUPPLIER
<b>Part 1</b>			
28.00	Deonized Water	Water	
<b>Part 2</b>			
5.00	PROPYLENE GLYCOL	Propylene Glycol	DeWolf Chemicals
0.35	Veegum®	Magnesium Aluminum Silicate	RT Vanderbilt
0.06	Natrosol® 250 HHR CS	Hydroxyethylcellulose	Ashland
0.06	Keltrol® CG	Xanthan Gum	CP Kelco
<b>Part 3</b>			
0.80	PHENOXYETOL	Phenoxyethanol	Essential Ingredients
<b>Part 4</b>			
0.50	PROPYLENE GLYCOL	Propylene Glycol	DeWolf Chemicals
0.05	AQUA KEEP 10SH-NFC	Sodium Acrylates Crosspolymer-2	Sumitomo Seika/Kobo Products
<b>Part 5</b>			
27.68	KOBOGUARD® 50AMP	Acrylates/Ethylhexyl Acrylate Copolymer (And) Water (And) Aminomethyl Propanol	Kobo Products
<b>Part 6</b>			
30.00	WSJ10CB-NP	Black 2 (And) PEG-40 Hydrogenated Castor Oil (And) Water (And) Acrylates/Ethylhexyl Acrylate Copolymer (And) Aminomethyl Propanol (And) Sodium Dehydroacetate	Kobo Products
<b>Part 7</b>			
5.00	KTZ® EBONY	Iron Oxides (CI 77499) (And) Mica	Kobo Products
<b>Part 8</b>			
2.00	SESQ-MH5	Polymethylsilsesquioxane (And) Silica	N&M/Kobo Products
<b>Part 9</b>			
0.50	SILICA SHELLS-SH	Silica (And) Methoxy Amodimethicone/Silsesquioxane Copolymer	Kobo Products
100.00			

## Description:

This long-wear, liquid eyeliner features Kobo's Carbon Black dispersion, WSJ10CB-NP, to create a deep, intense, black color and add film-forming properties. KOBOGUARD® 50AMP is used to produce a long-wearing film and provide water resistance. AQUA KEEP 10SH-NFC is a gelling agent that offers stability to the formula. KTZ® EBONY, a unique black pearl gives an additional deep black color to the eyeliner. SILICA SHELLS-SH, offers a mattifying effect and decreases dry time when applied. SESQ-MH5 is used for its oil absorbency and for the formula to be applied smoothly.

## Manufacturing Procedure:

1. In main beaker, add Part 2 and mix.
2. Add Part 1 to Part 2 and propeller mix for 5 minutes at 568 rpm (based on 200g batch).
3. Add Part 3 to Parts 1 and 2 and propeller mix for 5 minutes. Then switch to homogenizer. Homogenize for 3 minutes at 3500 rpm.
4. Pre-mix Part 4 then add to main beaker and homogenize at 4300rpm.
5. Add Part 5 and homogenize at 6200 rpm.
6. Add Part 6 and homogenize at 6200 rpm.
7. Add Part 7 and homogenize at 6460 rpm until homogenous.
8. Add Part 8 and homogenize at 6460 rpm until homogenous.
9. Add Part 9 and homogenize at 7940 rpm until homogenous. (Keep the gap between homogenizer and the bottom of the beaker, so the bulk can circulate/ move)



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KEY-077-BR  
Gel Eye Shadow

%	INGREDIENT	INCI NAME	SUPPLIER
<b>Part 1</b>			
41.00	Deionized Water	Water	
0.50	Aristoflex® Velvet	Polyacrylate Crosspolymer-11	Clariant
<b>Part 2</b>			
40.00	CES-3401	Trifluoropropyl Dimethicone (And) Water (And) Glycerin (And) Pentylene Glycol (And) Phenoxyethanol (And) Carbomer (And) Amodimethicone (And) Sodium Hydroxide (And) Disodium EDTA	Avantor/Kobo Products
10.00	KOBOPEARL® PERPETUAL LUSTER GoldGreen	Synthetic Fluorophlogopite (And) Silica (And) Titanium Dioxide	Kobo Products
5.00	WSJ10CB-NP	Black 2 (And) PEG-40 Hydrogenated Castor Oil (And) Water (And) Acrylates/Ethylhexyl Acrylate Copolymer (And) Aminomethyl Propanol (And) Sodium Dehydroacetate	Kobo Products
3.00	EA-209	Ethylene/Acrylic Acid Copolymer	Kobo Products
0.50	Liquid Germall® Plus	Diazolidinyl Urea (and) Iodopropynyl Butylcarbamate (and) Propylene Glycol	Ashland
100.00			

**Description:**

This gel eyeshadow features KOBOPEARL® PERPETUAL LUSTER GoldGreen for a luster effect with color travel. The WSJ pigmentary dispersion offers a base color while contributing to wear. CES-3401 encapsulated silicone gives an initial watery feel and offers long wear. EA-209 improves feel upon application and wear.

**Manufacturing Procedure:**

1. Add Part 1 and mix until gel is formed.
2. Add Part 2 and mix until homogeneous.







KEY-079

# Water Jelly Eye Shadow

%	INGREDIENT	INCI NAME	SUPPLIER
<b>Part 1</b>			
50.80	Deionized Water	Water	-
5.00	NET-WRS	Sorbeth-30 Tetraisostearate (and) Sorbitan Sesquiosostearate (and) PPG-8 Ceteth-20 (and) Beheneth-25 Methacrylate (and) Water	Barnet Products
5.00	Butylene Glycol	Butylene Glycol	Ruger Chemical
0.70	PHENOXETOL	Phenoxyethanol	Clariant
0.20	Liposorb® L-20	Polysorbate 20	Vantage
<b>Part 2</b>			
8.40	SALACOS® 99	Isononyl Isononanoate	Ikeda Corporation
3.60	CPF-3300@10cSt	Phenyl Trimethicone	Avantor/Kobo Products
1.20	INBP75EBR	Iron Oxides (And) Isononyl Isononanoate (And) Isopropyl Myristate (And) Stearalkonium Hectorite (And) Polyhydroxystearic Acid (And) Isopropyl Titanium Triisostearate (And) Propylene Carbonate	Kobo Products
<b>Part 3</b>			
3.00	Glycerin U.S.P. F.C.C. 96%	Glycerin	Ruger Chemical
0.10	AQUA KEEP 10SH-NFC	Sodium Acrylates Crosspolymer-2	Sumitomo Seika/Kobo Products
<b>Part 4</b>			
9.00	KOBOGUARD® 50AMP	Acrylates/Ethylhexyl Acrylate Copolymer (And) Water (And) Aminomethyl Propanol	Kobo Products
7.00	KTZ® CRIMSON	Mica (And) Titanium Dioxide (And) Iron Oxides (CI 77491) (And) Carmine	Kobo Products
3.00	KTZ® JAIPUR SUNSET	Titanium Dioxide (And) Mica (And) Iron Oxides (CI 77491)	Kobo Products
3.00	KTZ® INTERFINE GOLD	Mica (And) Titanium Dioxide	Kobo Products
100.00			

## Description:

This Water Jelly Eye Shadow is cool and smooth upon application due to Nusi's Phenyl Trimethicone, CPF-3300@10cSt, a silicone fluid that can improve spreadability and the formula's feel upon application. AQUAKEEP 10SH-NFC holds in water and helps give more body to the formula while KOBOGUARD® 50AMP helps with long wear. INBP75EBR adds a brown undertone, while KTZ® Pearls offer a nice pinkish tint and shimmer.

## Manufacturing Procedure:

1. In main beaker, add Part 1 and homogenize.
2. In side beaker, add Part 3 and make a slurry. Then add to main beaker and homogenize until gel forms and it is fully uniform.
3. In side beaker, add Part 2 and mix until uniform. Then add to main beaker under homogenizer.
4. Switch to side sweep mixing and add Part 4 under side sweep mixing.





KMA-065B

# W/Si Mascara with CELL-U-LASH™ 150

%	INGREDIENT	INCI NAME	SUPPLIER
<b>Part 1</b>			
12.90	<b>BWBO-FS</b>	Iron Oxides (CI 77499) (And) Perfluorooctyl Triethoxysilane	<b>Kobo Products</b>
10.00	<b>KOBOGUARD® 5400 IDD</b>	Hydrogenated Polycyclopentadiene (And) Isododecane	<b>Kobo Products</b>
10.00	SF1528	Cyclopentasiloxane (And) PEG/PPG-20/15 Dimethicone	Momentive
6.25	SILSOFT ETS	Ethyl Trisiloxane	Momentive
4.00	<b>MICA S-FS</b>	Mica (And) Perfluorooctyl Triethoxysilane	<b>Kobo Products</b>
2.90	KF-6017	PEG-10 Dimethicone	Shin Etsu
2.20	Lexol® PG-865	Propylene Glycol Dicaprylate/Dicaprate	Ashland
2.00	SS4230	Cyclopentasiloxane (And) Trimethylsiloxysilicate	Momentive
2.00	<b>SUMECTON SAN-P</b>	Quaternium-18 Hectorite	<b>Kobo Products</b>
0.70	SF1555	Bis-Phenylpropyl Dimethicone	Momentive
<b>Part 2</b>			
0.90	Ethanol 24,511-9	Ethyl Alcohol	Aldrich Chemical Co.
<b>Part 3</b>			
34.00	Deionized Water	Water	
3.20	Butylene Glycol	Butylene Glycol	Pride Solvents & Chemicals Co. of NJ, Inc.
1.25	Glycerin U.S.P. Natural 96%	Glycerin	Vopak
0.90	Germaben® II	Propylene Glycol (And) Diazolidinyl Urea (And) Methylparaben (And) Propylparaben	Chempoint
0.80	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	Jeesorb L-20	Polysorbate 20	Jeen International
<b>Part 4</b>			
5.00	<b>CELL-U-LASH™ 150</b>	Cellulose	<b>Kobo Products</b>
<b>100.00</b>			

## Description:

This W/Si Mascara features Kobo's Fluoro Silane Treatment. The FS treatment exhibits both water and oil repellency while promoting adherence for long wear. The combination of KOBOGUARD® 5400 IDD offers long-lasting properties to the formulation. SUMECTON SAN-P gives thickening and stabilizes the emulsion. CELL-U-LASH™ 150 helps to provide a lengthening effect on the lashes.

## Manufacturing Procedure:

1. Combine Part 1 ingredients. Prop mix until fully dispersed.
2. Combine Part 3. Mix until homogenous.
3. Slowly add Part 2 to Part 1 while prop mixing.
4. Slowly add Part 3 to batch. Continue prop mixing.
5. Slowly add Part 4 while prop mixing.



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KLP-124A

# Lipstick with PT1BM Dispersions

%	INGREDIENT	INCI NAME	SUPPLIER
<b>Part 1</b>			
27.50	CPF-3300@10cSt	Phenyl Trimethicone	Avantor/Kobo Products
19.80	Performalene™ M 70 Wax	Synthetic Wax	New Phase Technologies
17.90	KOBOGUARD® 5400 CCT	Hydrogenated Polycyclopentadiene (And) Caprylic/Capric Triglyceride	Kobo Products
10.00	PT1BM30R7C	Phenyl Trimethicone (And) Red 7 Lake (And) Isopropyl Titanium Triisostearate (And) Disteardimonium Hectorite (And) 1,2-Hexanediol (And) Caprylyl Glycol (And) Silica	Kobo Products
8.75	PT1BM50Y5A	Phenyl Trimethicone (And) Yellow 5 Lake (And) Isopropyl Titanium Triisostearate (And) Disteardimonium Hectorite (And) Silica (And) 1,2-Hexanediol (And) Caprylyl Glycol	Kobo Products
6.70	COSMOL™ 168ARV	Dipentaerythrityl Hexahydroxystearate/Hexastearate/Hexarosinate	Ikeda Corporation
3.75	PT1BM70R	Iron Oxides (CI 77491) (And) Phenyl Trimethicone (And) Disteardimonium Hectorite (And) Isopropyl Titanium Triisostearate (And) Silica (And) 1,2-Hexanediol (And) Caprylyl Glycol	Kobo Products
2.50	PT1BM70U	Titanium Dioxide (And) Phenyl Trimethicone (And) Disteardimonium Hectorite (And) Isopropyl Titanium Triisostearate (And) 1,2-Hexanediol (And) Caprylyl Glycol (And) Silica	Kobo Products
2.10	COSMOL™ 222	Diisostearyl Malate	Ikeda Corporation
1.00	COSMOL™ 43V	Polyglyceryl-2 Triisostearate	Ikeda Corporation
100.00			

## Description:

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

## Manufacturing Procedure:

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



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KLP-133-BR

# Metallic Wine Liquid Lipstick

%	INGREDIENT	INCI NAME	SUPPLIER
<b>Part 1</b>			
12.00	Permethyl® 99A	Isododecane	Cosmotec
12.00	COSMOL™ 222	Diisostearyl Malate	Ikeda/Kobo Products
10.00	KOBOGUARD® MQ60DM	Trimethylsiloxysilicate (And) Dimethicone	Kobo Products
10.00	KOBOGUARD® 5400 IDD	Hydrogenated Polycyclopentadiene (And) Isododecane	Kobo Products
8.00	SALACOS® 99	Isononyl Isononanoate	Ikeda/Kobo Products
6.00	PM WAX 82	Polyethylene (And) Microcrystalline Wax	Kobo Products
6.00	CPF-3300@10cSt	Phenyl Trimethicone	Avantor/Kobo Products
5.00	CXG-1104	Dimethicone (And) Dimethicone/Vinyl Dimethicone Crosspolymer	Avantor/Kobo Products
3.00	Tecwax Beeswax	Beeswax	Cosmotec
3.00	SALACOS® 334	Caprylic/Capric/Myristic/Stearic Triglyceride	Ikeda/Kobo Products
3.00	BENTONE GEL® VS 5 PCV	Cyclopentasiloxane (and) Distearidimonium Hectorite (and) Propylene Carbonate	Cosmotec
2.00	INBP45R7C	Red 7 Lake (And) Isononyl Isononanoate (And) Isopropyl Myristate (And) Stearalkonium Hectorite (And) Isopropyl Titanium Triisostearate (And) Propylene Carbonate (And) Polyhydroxystearic Acid	Kobo Products
<b>Part 2</b>			
14.00	KTZ® CRIMSON	Mica (And) Titanium Dioxide (And) Iron Oxides (CI 77491) (And) Carmine	Kobo Products
6.00	KTZ® MISTERIOSO ROUSSILLON	Mica (And) Iron Oxides (CI 77491) (And) Iron Oxides (CI 77499)	Kobo Products
100.00			

## Description:

This Liquid Lipstick features KTZ® Pearlescent Pigments that give a metallic look. The combination of KOBOGUARD® 5400 IDD and KOBOGUARD® MQ60DM offers long wear. The combination of CPF-3100@10cSt, low viscosity silicone, and SALACOS® 99, a light ester, gives spreadability and a nice feel. COSMOL™ 222 acts as pigment dispersant. SALACOS® 334 gives emollience and moisturization. PM WAX 82 gives the formula structure. CXG-1104, an elastomer gel, improves feel. The INBP dispersion helps color development with an easy manufacturing process.

## Manufacturing Procedure:

1. Mix Part 1 until complete dispersion of the pigments, and heat to 75°C while mixing.
2. Add Part 2 and mix until homogenous.





KLG-081C

# High Shine Red Lip Gloss with INBP50R28U

%	INGREDIENT	INCI NAME	SUPPLIER
<b>Part 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>Part 2</b>			
3.90	<b>MSS-500/3H</b>	Silica	<b>Kobo Products</b>
0.80	Watermelon (FL) CE-181464	Fragrance	Custom Essence
<b>Part 3</b>			
21.55	<b>GMS-I2</b>	Mica (And) Isopropyl Titanium Triisostearate	<b>Kobo Products</b>
2.60	<b>BPD-500W</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>
100.00			

## 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. INBP Dispersions are available in a wide range of pigments. GMS-I2 helps give a base to the color for more opacity. Kobo's Microsphere, MSS-500/3H, contributes to a creamy application. BPD-500W helps to blur the appearance of wrinkles and fine lines on the lips. DSPCS/20N-12 gives a lightweight feel and helps the formula go immediately into a powder on the skin.

## Manufacturing Procedure:

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



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# KFL-112A Clay Face Mask

%	INGREDIENT	INCI NAME	SUPPLIER
<b>Part 1</b>			
42.10	Deionized Water	Water	
<b>Part 2</b>			
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
<b>Part 3</b>			
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
<b>Part 4</b>			
1.50	Ethyl Alcohol E1028	Ethyl Alcohol	Warner Graham
<b>Part 5</b>			
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
<b>Part 6</b>			
3.00	Glycerin U.S.P. Natural 96%	Glycerin	Cognis Corp.
0.30	AQUA KEEP 10SH-NFC	Sodium Acrylates Crosspolymer-2	Kobo Products
<b>Part 7</b>			
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
100.00			

## 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.

## Manufacturing Procedure:

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





# KFL-114B UV Hand Lotion



%	INGREDIENT	INCI NAME	SUPPLIER
<b>Part 1</b>			
10.00	CPF-3300@10cSt	Phenyl Trimethicone	Avantor/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	Lipomulse® 165	Glyceryl Stearate (And) PEG-100 Stearate	Vantage
2.00	Xiameter PMX-200 Silicone Fluid 20CS	Dimethicone	Dow Corning
2.00	Lanette O	Cetearyl Alcohol	Cognis
<b>Part 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>Part 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	PHENOXETOL	Phenoxyethanol	Clariant
0.35	Polysorbate 20	Polysorbate 20	Rita Corp.
0.30	Trisodium EDTA	Trisodium EDTA	Protameen
0.30	ALLANTOIN	Allantoin	ISP
<b>Part 4</b>			
5.00	MSS-500/20N	Silica	Kobo Products
<b>Part 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	Avantor/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
100.00			

## Description:

This UV hand lotion, has Zinc Oxide dispersion GC70MZCSG and Titanium Dioxide dispersion HBTN55TIS-EU to give broad spectrum protection. Nusi'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 is a silicone fluid 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.

## Manufacturing Procedure:

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

## Active Ingredient(s):

Zinc Oxide	3.40%
Titanium Dioxide	4.40%

## Testing:

SPF: in vivo on 3 subjects  
CW: FDA method





KFL-118A

# Natural Brightening Face and Eye Balm with KoboBlur™ 100 Natural

%	INGREDIENT	INCI NAME	SUPPLIER
<b>Part 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>Part 2</b>			
5.00	Candellilla Wax	Euphorbia Cerifera (Candellilla) 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>Part 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
100.00			

## 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.

## 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.



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KCL-019-EU

# Grapefruit Shower Gel

%	INGREDIENT	INCI NAME	SUPPLIER
<b>Part 1</b>			
31.45	Deionized Water	Water	
9.50	Carbopol aqua SF-2	Acrylates Crosspolymer-4	Lubrizol
<b>Part 2</b>			
40.00	Steol CS-230 HA	Sodium Laureth Sulfate	Stepan/Brenntag
5.00	AMPHOSOL® CG-UN	Cocamidopropyl betaine	Stepan/Brenntag
<b>Part 3</b>			
3.00	NaOH (15% solution)	Sodium Hydroxide	Acros Organics
<b>Part 4</b>			
2.00	Glycérine Codex 99,5%	Glycerin	Interchimie
0.50	Microcare® PHC	Phenoxyethanol (and) Chlorphenesin (and) Glycerin	Thor Personal Care
<b>Part 5</b>			
1.00	Tween™ 20	Polysorbate 20	Croda
0.50	Douceur Naturelle 18	Fragrance	Givaudan/Brenntag
<b>Part 6</b>			
1.85	Citric Acid (30% solution)	Citric Acid	Acros Organics
<b>Part 8</b>			
2.80	Sp-VApGP41b	Water (And) Propylene Glycol (And) Agar (And) Polyquaternium-11 (And) Retinyl Palmitate (And) Imidazolidinyl Urea (And) Phenoxyethanol (And) Mica (And) Titanium Dioxide (And) Parabens (And) Iron Oxides (CI 77491)	Kobo Products
2.40	Sp-AOPL41m	Water (And) Propylene Glycol (And) Prunus Amygdalus Dulcis (Sweet Almond) Oil (And) Polyquaternium-11 (And) Agar (And) Imidazolidinyl Urea (And) Mica (And) Phenoxyethanol (And) PEG-40 Hydrogenated Castor Oil (And) Titanium Dioxide (And) Tocopheryl Acetate (And) Red 30 Lake (And) Parabens	Kobo Products
100.00			

## Description:

This Grapefruit Shower Gel showcases Kobo's Softsphere™ delivery systems, gold, medium-sized Sp-VApGP41b, containing Prunus Amygdalus (Sweet Almond Oil) and Tocopheryl Acetate, and pearlescent pink, small-sized Sp-AOPL41m, containing Retinyl Palmitate, and offering a nice, eye-catching grapefruit-inspired effect.

## 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.



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# KOBO

*The Powder & Dispersion  
Specialist*



**KOBO PRODUCTS, INC**  
3474 South Clinton Avenue  
South Plainfield, NJ 07080  
USA

Tel: +1 - 908 757 0033  
Fax: +1 - 908 757 0905



**KOBO PRODUCTS, SAS**  
135 Rue Buissonniere Quartier  
Bouysset 31670 Labège  
FRANCE

Tel: +33 - (0) 5 62 88 77 40  
Fax: +33 - (0) 5 62 88 77 49



**KOBO DISPATEK, INC**  
1-4-8 Nihombashi-bakurocho  
Chuoko, Tokyo, 103-0002  
JAPAN

Tel: +81 - 3 3663 8049  
Fax: +81 - 3 3661 8679



**KOBO BRASIL, LTDA**  
Rua Bamboré n.41  
Ipiranga - São Paulo/SP 04278-060  
BRASIL

Tel: +55 (11) 5062 6034