

FORMULARY

HPCI 2020

KOBO

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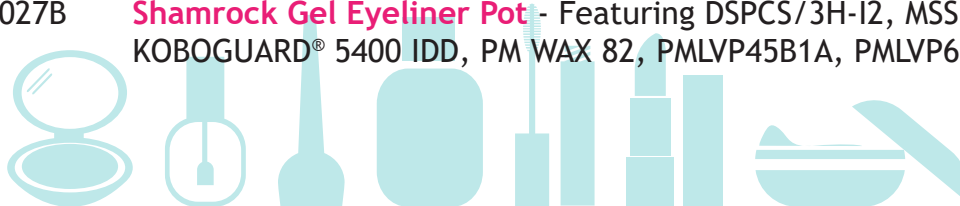
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KSL-401

Global Mineral Sunscreen Cream-using TiO₂ & ZnO Powders



%	INGREDIENT	INCI NAME	SUPPLIER
Part 1			
13.26	MZO-35-11S5	Zinc Oxide (And) Triethoxycaprylylsilane	Kobo Products
11.00	JTTO-MS7	Titanium Dioxide (And) Alumina (And) Hydrogen Dimethicone	Kobo Products
4.05	HALLBRITE BHB	Butyloctyl Salicylate	Hallstar
4.00	SunBoost ATB	Argania Spinosa Kernel Oil (And) Tocopheryl Acetate (And) Bisabolol	Kobo Products
3.50	Abil® WE 09	Polyglyceryl-4 Isostearate (And) Cetyl PEG/PPG-10/1 Dimethicone (And) Hexyl Laurate	Evonik
3.50	Bentone Gel® TNV	C12-15 Alkyl Benzoate (and) Stearalkonium Hectorite (and) Propylene Carbonate	Essential Ingredients
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	TNP55TRR	Iron Oxides (CI 77491) (And) C12-15 Alkyl Benzoate (And) Triethoxycaprylylsilane (And) Polyhydroxystearic Acid	Kobo Products
0.03	TNP55TRY	Iron Oxides (CI 77492) (And) C12-15 Alkyl Benzoate (And) Triethoxycaprylylsilane (And) Polyhydroxystearic Acid	Kobo Products
Part 2			
3.75	BRB Caprylyl Methicone	caprylyl methicone	BRB International
0.50	Pelemol® GTB	Tribehenin	Phoenix Chemical
Part 3			
35.06	Deionized Water	Water	
Part 4			
3.00	Glycerin U.S.P. F.C.C. 96%	Glycerin	Ruger Chemical
0.20	Keltrol® CG	Xanthan Gum	CP Kelco
Part 5			
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
Part 6			
0.90	SymDiol® 68	1,2-Hexanediol (And) Caprylyl Glycol	Symrise
0.50	Symsave® H	Hydroxyacetophenone	Symrise
Part 7			
5.00	MSS-500W	Silica	Kobo Products
0.03	KTZ® EBONY-11S4	Iron Oxides (CI 77499) (And) Mica (And) Triethoxycaprylylsilane	Kobo Products
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-410

Elegant Cream Sunscreen for Face

%	INGREDIENT	INCI NAME	SUPPLIER
Part 1			
48.25	MTM3K50XZ4	Zinc Oxide (And) Methyl Trimethicone (And) PEG-10 Dimethicone (And) Methicone	Kobo Products
16.10	MTM3F40T7	Methyl Trimethicone (And) Titanium Dioxide (And) Alumina (And) Hydrogen Dimethicone (And) Lauryl PEG-9 Polydimethylsiloxyethyl Dimethicone	Kobo Products
8.10	Xiameter® PMX-200 Silicone Fluid 5 CS	Dimethicone	Dow Corning
6.90	KF-6017	PEG-10 Dimethicone	Shin-Etsu
6.45	GWC-051H	Vinyl Dimethicone/Methicone Silsesquioxane Crosspolymer	GuideWin/Kobo Products
3.10	KOBOGUARD® 5400 IDD	Hydrogenated Polycyclopentadiene (And) Isododecane	Kobo Products
3.10	KP-549	Acrylates/Dimethicone Copolymer and Methyl Trimethicone	Shin-Etsu
2.55	Bentone® Luxe WS	Cyclopentasiloxane (and) PEG-10 Dimethicone (and) Distearidimonium Hectorite	Elementis Specialties
0.50	SymDiol® 68	1,2-Hexanediol (And) Caprylyl Glycol	Symrise
Part 2			
2.95	Reagent Alcohol 200 Proof	Denatured Alcohol	PCI Scientific Supply Company
Part 3			
2.00	Deionized Water	Water	
100.00			

Description:

This formula is a high-performance, oil-free, elegant prestige sunscreen cream. It is a W/Si, volatile non-D5, smooth sunscreen featuring MTM3K50XZ4 and MTM3F40T7, dispersions in a Methyl Trimethicone carrier that mimics the volatility of cyclic silicones. They provide minimal whitening and highly effective UVA/UVB protection. GWC-051H is a spherical elastomer powder that imparts soft focus effect and a luxurious, creamy, weightless texture. KOBOGUARD® 5400 IDD improves wear and water resistance.

Manufacturing Procedure:

1. Combine Part 1. Homogenize until uniform.
2. Add Parts 2 and 3 under homomixer until uniform.

Active Ingredient(s):

Titanium Dioxide	5.09%
Zinc Oxide	23.16%

Testing:

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



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KSL-424

Light and Fresh Sunscreen with W30XZSP and WBG40TWP



%	INGREDIENT	INCI NAME	SUPPLIER
Part 1			
31.10	Deionized Water	Water	
Part 2			
1.00	Veegum® HV	Magnesium Aluminum Silicate	R.T. Vanderbilt
Part 3			
3.00	Glycerin U.S.P. F.C.C. 96%	Glycerin	Ruger Chemical
0.35	Keltrol® CG	Xanthan Gum	CP Kelco
Part 4			
30.00	W30XZSP	Water(And) Zinc Oxide (And) Sodium Polyacrylate	Kobo Products
15.00	WBG40TWP	Water (And) Titanium Dioxide (And) Butylene Glycol (And) Hydrated Silica (And) Ammonium Polyacrylate	Kobo Products
0.15	Polysorbate 20	Polysorbate 20	RITA
Part 5			
0.70	Lexgard® E	Ethylhexylglycerin	Inolex Chemical Company
0.20	Citric Acid Solution (10% Aq)	Water (and) Citric Acid	-
Part 6			
10.00	Phytolane LS	Squalane	Barnet
4.00	SunBoost ATB	Argania Spinosa Kernel Oil (And) Tocopheryl Acetate (And) Bisabolol	Kobo Products
3.00	Montanov™ 68	Cetearyl Alcohol (and) Cetearyl Glucoside	Seppic
1.50	Lipo® GMS-450	Glyceryl Stearate	Vantage
100.00			

Description:

This sunscreen has a light texture, refreshing feel, and is suitable for even the darkest complexions. The formula features Kobo's Attenuation Grade dispersions in Water, WBG40TWP and W30XZSP, for UVA and UVB protection with minimal whitening on the skin. SunBoost ATB, a proprietary ratio of anti-oxidant, anti-irritant and anti-inflammatory agents, helps boost SPF and PFA while also conditioning the skin.

Manufacturing Procedure:

1. Combine Parts 1 and 2 in main beaker. Homogenize at 3000rpm for 30 minutes. After 30 minutes, move to propeller mixer and begin heating batch to 75°C. Keep batch tightly covered.
2. Pre-mix Part 3 in a side beaker and add to Parts 1 and 2.
3. Add Parts 4 and 5 to main beaker.
4. Combine Part 6 in a side beaker and heat to 80°C. Mix until homogeneous.
5. Slowly add Part 6 to the main beaker. Begin cooling batch and continue propeller mixing until batch reaches 40°C.

Active Ingredient(s):

Zinc Oxide	9.00%
Titanium Dioxide	3.75%

Testing:

SPF: in vivo on 5 subjects
CW: FDA method





KCP-048

Flawless Complexion Concealer with MST-547

%	INGREDIENT	INCI NAME	SUPPLIER
Part 1			
25.00	Myritol® 331	Cocoglycerides	BASF
16.80	Eutanol® G	Octyldodecanol	BASF
15.25	LUSPLAN™ DD-DA7	Dimer Dilinoleyl Dimer Dilinoleate	Nippon/Kobo Products
2.00	BV-OSC	Tetrahexyldecyl Ascorbate	Barnet
Part 2			
4.00	Performalene PL - Polyethylene	Polyethylene	New Phase Technologies
3.00	Ozokerite Wax White SP 1020P	Ozokerite	Strahl & Pitsch
0.50	Lexgard® O	Caprylyl Glycol	Inolex
Part 3			
19.45	RBTD-I2	Titanium Dioxide (And) Isopropyl Titanium Triisostearate	Kobo Products
2.10	BYO-I2	Iron Oxides (CI 77492) (And) Isopropyl Titanium Triisostearate	Kobo Products
0.70	BRO-I2	Iron Oxides (CI 77491) (And) Isopropyl Titanium Triisostearate	Kobo Products
0.20	BBO-I2	Iron Oxides (CI 77499) (And) Isopropyl Titanium Triisostearate	Kobo Products
Part 4			
3.90	MST-547	Polymethylsilsesquioxane	Kobo Products
2.60	BPD-800	HDI/Trimethylol Hexyllactone Crosspolymer (And) Silica	Kobo Products
2.50	KAOLIN	Kaolin	Imerys
1.00	KTZ® EXTRAFINE RED	Titanium Dioxide (And) Mica	Kobo Products
1.00	KoboBlur™ 100 Natural	Silica (And) Cellulose (And) Mica (And) Barium Sulfate (And) Titanium Dioxide (And) Jojoba Esters	Kobo Products
100.00			

Description:

This Flawless Concealer features LUSPLAN™ DD-DA7, a plant-derived ester that is added to the formula to impart barrier repair and smoothness to delicate under-eye area. This cream-to-powder uses a combination of Kobo's ITT-Treated pigments (RBTD-I2, BYO-I2, BRO-I2, BBO-I2) which provides the shade and coverage. A blend of microspheres comprises of MST-547 (acts as a payoff enhancer), BPD-800 (provides luxurious feel during application and helps to achieve a soft matte finish), Microsphere Complex, KoboBlur™ 100 Natural (delivers soft focus effect and a powdery after feel). KTZ® EXTRAFINE RED provides subtle shine and evens skin tone.

Manufacturing Procedure:

1. Combine Parts 1 and 2 at 95°C. Prop mix until homogeneous. □
2. Micropulverize Part 2 until uniform then low speed mix Part 4. □
3. Slowly add Powder Phase, Parts 3 and 4 to oil phase, Parts 1 and 2. □
4. Pour at 75°C.

Testing:

SPF: in vivo on 5 subjects
 CW: FDA method



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KLF-267

Anhydrous Cream Foundation

%	INGREDIENT	INCI NAME	SUPPLIER
Part 1			
18.30	MICA S-25-11SP	Mica (And) Triethoxycaprylylsilane (And) Polyhydroxystearic Acid	Kobo Products
12.16	BTD-11SP	Titanium Dioxide (And) Triethoxycaprylylsilane (And) Polyhydroxystearic Acid	Kobo Products
9.00	TALC N-11SP	Talc (And) Triethoxycaprylylsilane (And) Polyhydroxystearic Acid	Kobo Products
1.63	BWYO-11SP (C33-9001)	Iron Oxides (CI 77492) (And) Triethoxycaprylylsilane (And) Polyhydroxystearic Acid	Kobo Products
0.56	BWRO-11SP (C33-8001)	Iron Oxides (CI 77491) (And) Triethoxycaprylylsilane (And) Polyhydroxystearic Acid	Kobo Products
0.06	BWBO-11SP (C33-7001)	Iron Oxides (CI 77499) (And) Triethoxycaprylylsilane (And) Polyhydroxystearic Acid	Kobo Products
Part 2			
20.27	Liponate® EHP	Ethylhexyl Palmitate	Vantage
12.40	Xiameter® PMX-200 Silicone Fluid 50 CS	Dimethicone	Dow Coming
7.32	Versagel ME 750	Hydrogenated Polyisobutene (And) Ethylene/Propylene/Styrene Copolymer (And) Butylene/Ethylene/Styrene Copolymer	Penreco
7.04	CXG-1104	Dimethicone (And) Dimethicone/Vinyl Dimethicone Crosspolymer	Avantor/Kobo Products
4.50	Lipomulse® Luxe	Cetearyl Alcohol (and) Glyceryl Stearate (and) PEG-40 Stearate (and) Ceteareth - 20	Lipo Chemicals
3.38	KOBOGUARD® MQ60DM	Trimethylsiloxysilicate (And) Dimethicone	Kobo Products
2.25	Softisan® 100	Hydrogenated Coco-Glycerides	Condea Chemie
1.13	SF1642	C30-45 Alkyl Dimethicone	Momentive
100.00			

Description:

This creamy, light-feeling, anhydrous foundation is made for flawless coverage and radiance in one effortless application. The complex of 11SP treated MICA S-25-11SP, TALC N-11SP and silicone elastomer CXG-1104 provides a soft powdery effect during application with transformation to a true velvet finish once it is spread on the skin. Kobo's 11SP treated pigments (BTD-11SP, BWYO-11SP, BWRO-11SP, BWBO-11SP) impart medium coverage, soft texture and affinity to skin. KOBOGUARD® MQ60DM is used to improve the wear of the foundation.

Manufacturing Procedure:

1. Micronize Part 1 until the color is fully developed. □
2. Heat Part 2 with stirring to 90°C. □
3. Continue to stir and maintain temperature for 30 minutes. □
4. Add Part 1 to Part 2 and mix until homogeneous. □
5. Cool down with side sweep to 25°C.

Testing:

SPF: in vivo on 5 subjects
CW: FDA method



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KLF-269

W/O Foundation with TTB Treatment For All Skin Types

%	INGREDIENT	INCI NAME	SUPPLIER
Part 1			
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	KOBOGUARD® MQ65TMF	Trimethylsiloxysilicate (And) Methyl Trimethicone	Kobo Products
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
Part 2			
9.15	RBTD-TTB2	Titanium Dioxide (And) Isopropyl Titanium Triisostearate (And) Triethoxysilylethyl Polydimethylsiloxyethyl Dimethicone	Kobo Products
1.50	BGYO-TTB2	Iron Oxides (CI 77492) (And) Isopropyl Titanium Triisostearate (And) Triethoxysilylethyl Polydimethylsiloxyethyl Dimethicone	Kobo Products
0.80	BGRO-TTB2	Iron Oxides (CI 77491) (And) Isopropyl Titanium Triisostearate (And) Triethoxysilylethyl Polydimethylsiloxyethyl Dimethicone	Kobo Products
0.10	BGBO-TTB2	Iron Oxides (CI 77499) (And) Triethoxysilylethyl Polydimethylsiloxyethyl Dimethicone (And) Isopropyl Titanium Triisostearate	Kobo Products
Part 3			
1.75	COSMOL™ 43V	Polyglyceryl-2 Triisostearate	Ikeda
0.90	BENTONE® 38 V CG	Disteardimonium Hectorite	Essential Ingredients
Part 4			
0.90	Reagent Alcohol 200 Proof	Denatured Alcohol	Pharmco Aaper
Part 5			
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	Liposorb® L-20	Polysorbate 20	Vantage
0.45	Jeecide CAP-5	Phenoxyethanol (And) Caprylyl Glycol (And) Potassium Sorbate (And) Water (And) Hexylene Glycol	Jeen International
Part 6			
8.70	CXG-1104	Dimethicone (And) Dimethicone/Vinyl Dimethicone Crosspolymer	Avantor/Kobo Products
3.50	MSS-500/3N	Silica	Kobo Products
0.90	DSPCS/20N-12	Silica (And) Ethylene/Methacrylate Copolymer (And) Isopropyl Titanium Triisostearate	Kobo Products
100.00			

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 5 subjects
 CW: FDA method



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KFL-181B

Daily Facial Correcting Cream with HEV/Blue Light Protection

%	INGREDIENT	INCI NAME	SUPPLIER
Part 1			
62.30	Deionized Water	Water	
0.55	Natrosol™ Plus 330CS	Cetyl Hydroxyethylcellulose	Ashland
Part 2			
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	Dermofeel® PA-3	Sodium Phytate (And) Water (And) Alcohol	Dr. Straetmans/ Kinetik
0.15	ALLANTOIN	Allantoin	RITA
0.05	Trisodium Citrate Dihydrate	Sodium Citrate	Jungbunzlauer
Part 3			
0.30	Lecinol S-10	Hydrogenated Lecithin	Barnet
Part 4			
8.60	TNP45TEL	Titanium Dioxide (And) C12-15 Alkyl Benzoate (And) Stearic Acid (And) Silica (And) Alumina (And) Polyhydroxystearic Acid (And) Iron Oxides (CI 77491)	Kobo Products
3.50	SunBoost ATB	Argania Spinosa Kernel Oil (And) Tocopheryl Acetate (And) Bisabolol	Kobo Products
2.00	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
Part 5			
4.75	Silwax® D02	Ethyl Methicone	Siltech LLC
1.50	TMF-1.5	Methyl Trimethicone	Shin-Etsu
1.50	MSS-500W	Silica	Kobo Products
Part 6			
4.00	CSG-1001	Water (And) Dimethicone (And) Dimethicone/Vinyl Dimethicone Crosspolymer (And) Dimethiconol (And) Butylene Glycol (And) Carbomer (And) Phenoxyethanol (And) Sodium Hydroxide	Avantor/Kobo Products
0.30	SILICA SHELLS	Silica	Kobo Products
Part 7			
1.70	Jeechem 400	PEG-8	Jeen International
1.00	AE Preserve® PCG	Phenethylalcohol (And) Caprylhydroxamic Acid (And) Glycerin	AE Chemie
0.25	Gs-PCOg	Water (And) Palmitoyl Hydroxypropyltrimonium Amylopectin/Glycerin Crosspolymer (And) Vitis Vinifera (Grape) Seed Extract (And) Phenoxyethanol (And) Parabens (And) Hydrogenated Lecithin	Kobo Products
Part 8			
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
100.00			

Description:

This Facial Correcting Cream is a tinted (BB) cream that spreads easily, leaving skin moisturized with minimal whitening. TNP45TEL 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 5 subjects
CW: FDA method



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KSL-378A-EU

Tinted Sunscreen with IR Protection



%	INGREDIENT	INCI NAME	SUPPLIER
Part 1			
28.05	Deionized Water	Water	
1.50	Sodium Chloride	Sodium Chloride	Fisher
Part 2			
4.00	Glycerin	Glycerin	Interchimie
0.25	Keltrol® CG	Xanthan Gum	CP Kelco
Part 3			
19.00	HBQP75FZS	Zinc Oxide (And) Butyloctyl Salicylate (And) Polyhydroxystearic Acid (And) Triethoxycaprylylsilane	Kobo Products
14.00	GCP45TV	Caprylic/Capric Triglyceride (And) Titanium Dioxide (And) Stearic Acid (And) Aluminum Hydroxide (And) Polyhydroxystearic Acid	Kobo Products
10.00	Tegosoft® AC	Isoamyl Cocoate	Evonik
5.00	TiO2-IR300-ASG3	Titanium Dioxide (And) Stearoyl Glutamic Acid	Kobo Products
4.00	Tegosoft® TN	C12-15 Alkyl Benzoate	Evonik
3.00	SunBoost ATB	Argania Spinosa Kernel Oil (And) Tocopheryl Acetate (And) Bisabolol	Kobo Products
1.50	GCB60USG	Titanium Dioxide (And) Caprylic/Capric Triglyceride (And) Isopropyl Myristate (And) Stearoyl Glutamic Acid (And) Stearalkonium Hectorite (And) Trihydroxystearin (And) Propylene Carbonate	Kobo Products
1.00	GCB50YSG	Iron Oxides (CI 77492) (And) Caprylic/Capric Triglyceride (And) Isopropyl Myristate (And) Stearoyl Glutamic Acid (And) Stearalkonium Hectorite (And) Trihydroxystearin (And) Propylene Carbonate	Kobo Products
0.15	GCB65RSG	Iron Oxides (CI 77491) (And) Caprylic/Capric Triglyceride (And) Isopropyl Myristate (And) Stearoyl Glutamic Acid (And) Stearalkonium Hectorite (And) Trihydroxystearin (And) Propylene Carbonate	Kobo Products
0.05	GCB70BSG	Iron Oxides (CI 77499) (And) Caprylic/Capric Triglyceride (And) Isopropyl Myristate (And) Stearoyl Glutamic Acid (And) Stearalkonium Hectorite (And) Trihydroxystearin (And) Propylene Carbonate	Kobo Products
Part 4			
4.00	Dehymuls® PGPH	Polyglyceryl-2 Dipolyhydroxystearate	BASF
1.00	Olivem® 900	Sorbitan Oliviate	Hallstar
0.50	Lipex® Shea Tris	Shea Butter	AAK
Part 5			
2.00	ASO-12	Aluminum Starch Octenylsuccinate (And) Isopropyl Titanium Triisostearate	Kobo Products
1.00	Symdiol® 68	1,2-Hexanediol (And) Caprylyl Glycol	Symrise
100.00			

Description:

This tinted sunscreen features a combination of GCP45TV, a natural dispersion of attenuation grade TiO₂, and HBQP75FZS, a ZnO dispersion with a booster to optimize UV protection. SunBoost ATB adds anti-inflammatory, anti-irritant and anti-oxidant properties to the formulation, and TiO₂-IR300-ASG3 provides IR protection. GCB Pigmentary dispersions give a tint to this sunscreen product and ASO-12 offers a uniform application and creamy after 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 mix well with the propeller.
6. Cool to room temperature with continued propeller mixing.

Active Ingredient(s):

Titanium Dioxide	5.30%
Zinc Oxide	13.70%

Testing:

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



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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 77491) (And) Caprylic/Capric Triglyceride (And) Polyglyceryl-3 Diisostearate (And) Stearoyl Glutamic Acid</i>	0.50%	
● GCG50TRSG - Kobo Products: <i>Iron Oxides (CI 77492) (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.



KPW-032-BR

Powder-to-Cream Foundation

%	INGREDIENT	INCI NAME	SUPPLIER
Part 1			
51.00	GMS-FS	Mica (And) Perfluorooctyl Triethoxysilane	Kobo Products
10.00	CARESS® BN15	Boron Nitride	Bent Tree/Kobo Products
5.26	BTD-FS	Titanium Dioxide (And) Perfluorooctyl Triethoxysilane	Kobo Products
4.00	SP-10-FS	Nylon-12 (And) Perfluorooctyl Triethoxysilane	Kobo Products
2.00	MSS-500W	Silica	Kobo Products
1.04	BWYO-FS	Iron Oxides (CI 77492) (And) Perfluorooctyl Triethoxysilane	Kobo Products
0.49	BWRO-FS	Iron Oxides (CI 77491) (And) Perfluorooctyl Triethoxysilane	Kobo Products
0.21	BWBO-FS	Iron Oxides (CI 77499) (And) Perfluorooctyl Triethoxysilane	Kobo Products
Part 2			
1.00	Cosmoguard® SL CP	Phenoxyethanol (and) Ethylhexylglycerin	Cosmotec
Part 3			
10.00	SALACOS® 99	Isononyl Isononanoate	Ikeda/Kobo Products
2.50	CSF-3504	Dimethicone (And) Dimethiconol	Avantor/Kobo Products
0.63	KF-6017	PEG-10 Dimethicone	Shin-Etsu
0.50	KOBOGUARD® HRPC	Hydrogenated Polycyclopentadiene (And) Polyethylene (And) Copernicia Cerifera (Carnauba) Wax (And) Tocopherol	Kobo Products
Part 4			
11.38	Deionized Water	Water	
100.00			

Description:

This Powder-to-Cream Foundation has low coverage and provides a fresh and natural look. It features Kobo's Perfluorooctyl Triethoxysilane Surface Treatment. The FS-Treated Pigments, Filler (GMS-FS) and Microsphere (SP-10-FS) show both water and oil repellency, which contributes to adherence and long wear. Nylon-12 microsphere SP-10-FS imparts soft focus and a creamy feel. Silica microsphere MSS-500W, a wide distribution particle size spherical silica, is added to improve spreadability, slip and silkiness of the formula. Boron Nitride, CARESS® BN15 has a translucent appearance and provides very soft and silky touch to the formula. SALACOS® 99, lightweight ester and CSF-3504, gum blend that improves feel, both act as liquid binder and provide the transforming powder-to-cream feel. KOBOGUARD® HRPC adds adhesion to skin.

Manufacturing Procedure:

1. Combine Part 1 and blend well.
2. Add Part 2 to Part 1 and mix well until fully dispersed.
3. Combine Part 3 and heat to 75-80°C.
4. Heat Part 4 to 75-80°C.
5. Add Part 4 to Part 3 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.

Testing:

SPF: in vivo on 5 subjects
 CW: FDA method



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KPP-119B

Walnut Pressed Powder

%	INGREDIENT	INCI NAME	SUPPLIER
Part 1			
41.56	TALC AJM	Talc	Kobo Products
30.00	GMS-I2	Mica (And) Isopropyl Titanium Triisostearate	Kobo Products
10.00	BYO-I2	Iron Oxides (CI 77492) (And) Isopropyl Titanium Triisostearate	Kobo Products
6.02	BRO-I2	Iron Oxides (CI 77491) (And) Isopropyl Titanium Triisostearate	Kobo Products
2.22	BBO-I2	Iron Oxides (CI 77499) (And) Isopropyl Titanium Triisostearate	Kobo Products
2.00	MAGNESIUM MYRISTATE	Magnesium Myristate	Kobo Products
2.00	BTD-401	Titanium Dioxide (And) Isopropyl Titanium Triisostearate	Kobo Products
0.10	Propylparaben	Propylparaben	International Sourcing
0.10	Methylparaben	Methylparaben	International Sourcing
Part 2			
4.00	Wickenol 155	Ethylhexyl Palmitate	Alzo International Inc.
2.00	Xiameter® PMX-200 Silicone Fluid 20 CS	Dimethicone	Dow Chemical Company
100.00			

Description:

This silky pressed powder is a perfect match for medium/yellow skin tones and delivers a smooth and flawless finish to the face.

Key technology is to use ITT treated pigments and natural mica in conjunction with jet milled Talc. TALC AJM is a fine, white powder which provides excellent skin adhesion, pressability, and contributes to the elegant texture. Kobo's ITT treated pigments and filler (BBO-I2, BRO-I2, BTD-401, BYO-I2 and GMS-I2) are used to make the shade and enhance affinity to the skin. MAGNESIUM MYRISTATE improves pressability.

Manufacturing Procedure:

1. Mix Part 1 in blender until all powders are blended together uniformly.
2. Pre-mix Part 2 and slowly spray Part 2 to Part 1. Blend well until oil phase is fully dispersed in the powder phase.
3. Press at 850psi.

Testing:

SPF: in vivo on 5 subjects
CW: FDA method



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KEL-027B

Shamrock Gel Eyeliner Pot

%	INGREDIENT	INCI NAME	SUPPLIER
Part 1			
20.20	Permethyl® 99A	Isododecane	Presperse
16.30	PMLVP45B1A	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	Kobo Products
13.50	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
10.00	PM WAX 82	Polyethylene (And) Microcrystalline Wax	Toray/Kobo Products
7.20	PMLVP75C	Titanium Dioxide (And) Isododecane (And) Isohexadecane (And) Isopropyl Titanium Triisostearate (And) Lecithin (And) Ethylene/Propylene/Styrene Copolymer (And) Polyhydroxystearic Acid (And) Butylene/Ethylene/Styrene Copolymer	Kobo Products
5.00	Protachem™ CTG	Caprylic/Capric Triglyceride	Protameen
2.00	Ozokerite Wax White SP 1020P	Ozokerite	Strahl & Pitsch
1.00	Eutanol® G	Octyldodecanol	BASF
Part 2			
20.00	KOBOGUARD® 5400 IDD	Hydrogenated Polycyclopentadiene (And) Isododecane	Kobo Products
Part 3			
2.00	MSS-500/3H	Silica	Kobo Products
2.00	DSPCS/3H-I2	Silica (And) Ethylene/Methacrylate Copolymer (And) Isopropyl Titanium Triisostearate	Kobo Products
Part 4			
0.80	Phenoxetol®	Phenoxyethanol	Clariant
100.00			

Description:

This green gel eyeliner glides smoothly and quickly dries to a matte finish that is long lasting and smudge proof. PMLVP Pigmentary dispersions provide the green shade. PM WAX 82 gives structure to the eyeliner. KOBOGUARD® 5400 IDD contributes to the long wear and smudge proof properties of the formula. A combination of microspheres, DSPCS/3H-I2 and MSS-500/3H, help improve payoff and provide a smooth application.

Manufacturing Procedure:

1. Combine Part 1 and heat to 85°C while propeller mixing until waxes are fully melted. Keep batch tightly covered.
2. Add Part 2 to Part 1 while prop mixing until homogeneous.
3. Slowly add Part 3 to main beaker followed by Part 4. Once uniform, lower mixing speed.
4. Pour into glass jar components at 80°C.

Testing:

SPF: in vivo on 5 subjects
CW: FDA method

Notes:

This formula is best applied with an angled eyeliner brush.



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KEY-112

Eyeshadow Clay with KTZ® ROYAL BLUE

%	INGREDIENT	INCI NAME	SUPPLIER
Part 1			
37.80	Xiameter® PMX-200 Silicone Fluid 20CS	Dimethicone	Dow Chemical Company
15.45	KTZ® ROYAL BLUE	Mica (And) Titanium Dioxide (And) Ferric Ferrocyanide	Kobo Products
11.30	SP-10	Nylon-12	Toray/Kobo Products
7.55	KOBOGUARD® MQ60DM	Trimethylsiloxysilicate (And) Dimethicone	Kobo Products
6.75	ZINC MYRISTATE	Zinc Myristate	Kobo Products
5.25	CARESS® BN30	Boron Nitride	Bent Tree/Kobo Products
3.75	MST-E8	Vinyl Dimethicone/Methicone Silsesquioxane Crosspolymer	Kobo Products
2.25	Lameform® TGI	Polyglycerol-3 Diisostearate	Cognis
2.25	MSS-500W	Silica	Kobo Products
0.90	BGCO-I2	Chromium Oxide Greens (And) Isopropyl Titanium Triisostearate	Kobo Products
0.75	Lexgard® O	Caprylyl Glycol	Inolex
0.70	Phenoxetol™	Phenoxyethanol	Clariant
0.05	S-6W-6	Simethicone	Shin-Etsu
Part 2			
3.45	PM WAX 82	Polyethylene (And) Microcrystalline Wax	Toray/Kobo Products
1.20	NOMCORT® HK-G	Glyceryl Behenate/Eicosadioate	Ikeda
0.60	Softisan® 100	Hydrogenated Coco-Glycerides	Condea Chemie
100.00			

Description:

This Bouncy Clay Eyeshadow has a unique "play-dough" like soft and flexible texture and velvety feel on eye lids. It features KTZ® ROYAL BLUE which provides the pearly blue undertone. SP-10 keeps the eyeshadow in place without moving into crease lines throughout wear. KOBOGUARD® MQ60DM is an oil phase silicone resin dispersed in Dimethicone, which provides long wear. CARESS® BN30 is used for light opacity, an elegant feel and additional adherence to eyelids. MST-E8, a spherical elastomer, improves payoff and feel. MSS-500W provides a silky application and a dry, soft after feel. ITT-treated pigment BGCO-I2 provides color to application. Melted PM WAX 82 and ZINC MYRISTATE bind together all the ingredients and help to hold the clay structure.

Manufacturing Procedure:

1. Combine Part 1. Prop mix 90°C until uniform. □
2. Add Part 2 while mixing until uniform. □
3. Pour into pans.

Testing:

SPF: in vivo on 5 subjects
CW: FDA method



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KMA-076E

All-In-One Tube Mascara with KOBOGUARD® 50AMP

%	INGREDIENT	INCI NAME	SUPPLIER
Part 1			
5.00	Carnauba Wax SP 63P	Copernicia Cerifera (Carnauba) Wax	Strahl & Pitsch
3.50	Lipo® GMS 450	Glyceryl Stearate	Vantage
3.00	Beeswax White Sp 422P	Beeswax	Strahl & Pitsch
2.00	Panalene® H-300E	Hydrogenated Polyisobutene	Lipo Chemicals
2.00	Dermofat 4919	Stearic Acid	Alzo Chemical
1.60	Tween™ 80	Polysorbate 80	Croda
1.00	Prisorine™ 3515	Isostearyl Alcohol	Croda
1.00	Plandool™-G	Bis-Behenyl/Isostearyl/Phytosteryl Dimer Dilinoleyl Dimer Dilinoleate	Nippon/Kobo Products
1.00	ELEMENT14 PDMS 5-A	Dimethicone	Momentive
Part 2			
13.65	Deionized Water	Water	
2.00	Butylene Glycol	Butylene Glycol	Ruger Chemical
1.00	SERICITE GMS-4C	Mica	Kobo Products
1.00	MSS-500W	Silica	Kobo Products
0.80	AMP ULTRA® PC 2000	2-Aminoisobutanol	Angus Chemical Company
0.15	Natrosol® 250 HHR	Hydroxyethylcellulose	Ashland
0.10	AQUA KEEP 10SH-NFC	Sodium Acrylates Crosspolymer-2	Sumitomo Seika/Kobo Products
0.10	Protacide Na3 EDTA™	Trisodium EDTA	Protameen
0.10	Jeen Potassium Sorbate USP	Potassium Sorbate	Jeen International
0.05	S-6W-6	Simethicone	Shin-Etsu
Part 3			
30.15	KOBOGUARD® 50AMP	Acrylates/Ethylhexyl Acrylate Copolymer (And) Water (And) Aminomethyl Propanol	Kobo Products
20.00	WSJ20EBAMP-O	Water (And) Acrylates/Ethylhexyl Acrylate Copolymer (And) Iron Oxides (CI 77499) (And) Sodium Acrylate/Sodium Acryloyldimethyl Taurate Copolymer (And) Aminomethyl Propanol	Kobo Products
10.00	WSJ10CB-NP	Black 2 (CI 77266) (And) PEG-40 Hydrogenated Castor Oil (And) Water (Aqua) (And) Acrylates/Ethylhexyl Acrylate Copolymer (And) Aminomethyl Propanol (And) Sodium Dehydroacetate	Kobo Products
Part 4			
0.80	Euxyl® PE 9010	Phenoxyethanol (And) Ethylhexylglycerin	Schulke & Mayr
100.00			

Description:

This mascara's ability to form individual "tubes" around the eyelashes is due to the high concentration of KOBOGUARD® 50AMP. The mascara gives an oversized look to each individual lash upon application. Kobo's black iron oxide dispersion, WSJ20EBAMP-O, and carbon black dispersion, WSJ10CB-NP, provide the deep black color and film forming properties. PLANDOOL™-G helps the mascara glide smoothly onto the lashes. AQUA KEEP 10SH-NFC gels the aqueous phase of the formula. The combination of MSS-500W and SERICITE GMS-4C provides bulking properties to the formula and adds volume to the lashes.

Manufacturing Procedure:

Oil Phase :

1. Heat Part 1 (all but dimethicone) to 85-90 °C with slow agitation with spatula.

2. Once at 75 °C, add dimethicone.

Water Phase (Main Beaker):

1. Record tare weight of main beaker and sweep.
2. Add water to the main beaker. Begin heating to 60 °C with prop mixing. Maintain temperature.
3. Add Trisodium EDTA and Potassium Sorbate. Mix until fully dissolved. Begin heating to 85 °C.
4. Pre-mix Butylene Glycol, Natrosol® and AQUA KEEP with spatula. Add mix to the main beaker. Mix until uniform and clear.
5. Add AMP Ultra, mix for 10 minutes.
6. Add Simethicone. Mix 5 mins.
7. Add MSS-500W and SERICITE.

Emulsification and cool down:

1. Add Oil phase into water phase, maintain mixing and temperature around 85 °C for 15 minutes.
2. Begin to air cool.
3. Change prop to sweep when the bulk becomes thicker.
4. Add film former to the batch at 45 °C, followed by dispersions, and then Euxyl®.
5. Add back correct amount of Water.
6. Air cool and mix until bulk reaches 28 °C, stop mixing.

Testing:

SPF: in vivo on 5 subjects

CW: FDA method





KLP-162B

Shiny Cream Lipstick with MSS-500/5H

%	INGREDIENT	INCI NAME	SUPPLIER
Part 1			
14.00	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
13.20	COSMOL™ 222	Diisostearyl Malate	Ikeda
10.52	COSMOL™ 168ARV	Dipentaerythryl Hexahydroxystearate/Hexastearate/Hexarosinate	Ikeda
10.00	KOBOGUARD® 5400 CCT	Hydrogenated Polycyclopentadiene (And) Caprylic/Capric Triglyceride	Kobo Products
10.00	COSMOL™ 43V	Polyglyceryl-2 Triisostearate	Ikeda
7.98	CPF-3300@10cSt	Phenyl Trimethicone	Avantor/Kobo Products
7.00	INBP70U	Titanium Dioxide (And) Isononyl Isononanoate (And) Isopropyl Myristate (And) Stearalkonium Hectorite (And) Isopropyl Titanium Triisostearate (And) Propylene Carbonate (And) Polyhydroxystearic Acid	Kobo Products
6.00	Ozokerite Wax White SP 1020P	Ozokerite	Strahl & Pitsch
4.90	PM WAX 82	Polyethylene (And) Microcrystalline Wax	Toray/Kobo Products
4.40	INBP55EY	Iron Oxides (CI 77492) (And) Isononyl Isononanoate (And) Isopropyl Myristate (And) Stearalkonium Hectorite (And) Polyhydroxystearic Acid (And) Isopropyl Titanium Triisostearate (And) Propylene Carbonate	Kobo Products
4.00	CARESS® BN30	Boron Nitride	Bent Tree/Kobo Products
2.00	SALACOS® 334	Caprylic/Capric/Myristic/Stearic Triglyceride	Ikeda
Part 2			
6.00	MSS-500/5H	Silica	Kobo Products
100.00			

Description:

This high coverage, semi-matte lipstick features MSS-500/5H which helps the formula glide smoothly onto the lips with increased payoff. CARESS® BN30 is a boron nitride that improves wear and gives a velvety finish. Kobo's INBP Pigmentary Dispersions ease the manufacturing process and give a more intense, uniformly developed color. CPF-3300@10cSt is a low viscosity phenyl trimethicone that improves feel and application. PM WAX 82 contributes to the structure of the formula. KOBOGUARD® 5400 CCT is a film former that helps with long wear.

Manufacturing Procedure:

1. Combine Part 1 and heat to 85°C.
2. Slowly add Part 2 and mix until homogeneous.
3. Pour at 85°C (ensure lipstick mold is not cold).

Testing:

SPF: in vivo on 5 subjects
 CW: FDA method





KLP-220B-BR

Natural High Impact Lipstick

%	INGREDIENT	INCI NAME	SUPPLIER
Part 1			
32.41	COSMOL™ 43V	Polyglyceryl-2 Triisostearate	Ikeda/Kobo Products
15.00	Tegosoft® CT	Caprylic/Capric Triglycerides	Cosmotec
6.50	Cera de Candelila	Candelilla (Euphorbia Cerifera) Wax	Cosmotec
5.00	Tecwax Abelha	Beeswax	Cosmotec
5.00	Manteiga de Karité	Shea Butter	Mapric
2.00	Tecwax Carnauba	Carnauba Wax	Cosmotec
0.50	Litchi	Fragrance	Symrise
0.20	Vanillin Powder	Vanillin	Symrise
0.10	DL-Alfa-Tocopherol	Tocopherol	Focus Química
Part 2			
22.30	JOH65UJE	Titanium Dioxide (And) Simmondsia Chinensis (Jojoba) Seed Oil (And) Jojoba Esters (And) Polyglyceryl-6 Polyricinoleate (And) Silica	Kobo Products
9.09	JOH55RJE	Iron Oxides (CI 77491) (And) Simmondsia Chinensis (Jojoba) Seed Oil (And) Jojoba Esters (And) Polyglyceryl-6 Polyricinoleate (And) Silica	Kobo Products
0.90	JOH55BJE	Iron Oxides (CI 77499) (And) Simmondsia Chinensis (Jojoba) Seed Oil (And) Jojoba Esters (And) Polyglyceryl-6 Polyricinoleate (And) Silica	Kobo Products
Part 3			
1.00	MSS-500/3H	Silica	Kobo Products
100.00			

Description:

This Natural Lipstick offers full color coverage in a single application with comfort and softness. It features Cosmos approved JOH Pigmentary Dispersions which disperse easily into lipstick bases and help to achieve a high impact of color with a creamy feel in formulations. Silica microsphere MSS-500/3H enhances payoff and prevents the formula from sweating. COSMOL™ 43V is a natural origin ester used as an alternative to castor oil. It shows superior oxidative stability and sweat prevention in solid cosmetics.

Manufacturing Procedure:

1. Combine Part 1 under propeller mixing and heat to 80°C - 85°C.
2. Add Part 2 to Part 1 and mix until homogeneous.
3. Add Part 3 and mix until homogeneous.
4. Pour into molds at 78°C - 80°C.

Testing:

SPF: in vivo on 5 subjects
 CW: FDA method





KLP-224

Water Glossy Lips

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

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 5 subjects
CW: FDA method



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KFL-170-BR

Charcoal + Scrub Face Mask

%	INGREDIENT	INCI NAME	SUPPLIER
Part 1			
56.40	Deionized Water	Water	
20.00	Glicerina Bi-Destilada U.S.P.	Glycerin	Synth
0.60	Goma Xantana	Xanthan Gum	M Cassab
Part 2			
5.00	Tersil® CB	Kaolin	Terramater
2.50	CHARCOAL POWDER	Charcoal Powder	Adsorb/Kobo Products
Part 3			
5.00	SunBoost ATB	Argania Spinosa Kernel Oil (And) Tocopheryl Acetate (And) Bisabolol	Kobo Products
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
Part 4			
5.00	KoboScrub™ SD-200	Silica	Kobo Products
Part 5			
1.00	Cn-HAHWS	Water (And) Pentylene Glycol (And) Palmitoyl Hydroxypropyltrimonium Amylopectin/Glycerin Crosspolymer (And) 1,2-Hexanediol (And) Caprylyl Glycol (And) Sodium Hyaluronate (And) Hydrogenated Lecithin	Kobo Products
Part 6			
1.00	Cosmoguard® SL CP	Phenoxyethanol (and) Ethylhexylglycerin	Cosmotec
100.00			

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 5 subjects
 CW: FDA method





KFL-184

Ultra Soothing Oil/Elixir for Face & Body

%	INGREDIENT	INCI NAME	SUPPLIER
Part 1			
80.50	Protachem™ CTG	Caprylic/Capric Triglyceride	Protameen
8.00	IN7M5	Isononyl Isononanoate (And) Silica	Kobo Products
6.00	CO15M5	Ricinus Communis (Castor) Seed Oil (And) Silica	Kobo Products
4.00	SunBoost ATB	Argania Spinosa Kernel Oil (And) Tocopheryl Acetate (And) Bisabolol	Kobo Products
Part 2			
1.00	CE-181669	Fragrance	Custom Essence
0.50	MAKIBASE SEB	Polyglyceryl-3 Polyricinoleate (And) Polyglyceryl-3 Diisostearate	Daito/Kobo Products
100.00			

Description:

This formula is an oil-based serum that soothes and conditions the skin without leaving a greasy afterfeel. SunBoost ATB is a proprietary ratio of anti-oxidant and anti-inflammatory agents which provides skin soothing and skin moisturizing benefits. The combination of CO15M5 and IN7M5 gives great cushion and a serum consistency while also providing skincare conditioning. MAKIBASE SEB is a vegetable-based, PEG-free emulsifier which helps product absorb and gives skin a non-greasy feel.

Manufacturing Procedure:

1. With slow to moderate homogenization, mix Part 1 until all lumps are completely gone and batch is smooth.
2. Pre-mix Part 2 and add to the batch with moderate propeller mixing.
3. If product is full of bubbles from homogenizing, batch will de-aerate over time. (after 1 week)

Testing:

SPF: in vivo on 5 subjects
 CW: FDA method



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KFL-231

Brightening Turmeric Cream

%	INGREDIENT	INCI NAME	SUPPLIER
Part 1			
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
Part 2			
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
Part 3			
0.50	Mikrokill® COS	Phenoxyethanol (And) Chlorphenesin (And) Caprylyl Glycol	Lonza
Part 4			
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
Part 5			
0.50	Tego® Turmerone	Curcuma Longa (Turmeric) Root Extract	Evonik
100.00			

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 5 subjects
 CW: FDA method

Notes:

Gently pat cream around dark spots and blemishes.





KHP-029-BR Root Concealer

%	INGREDIENT	INCI NAME	SUPPLIER
Part 1			
26.40	BBO-ASG3	Iron Oxides (CI 77499) (And) Stearoyl Glutamic Acid	Kobo Products
22.00	TALC N-ASG4	Talc (And) Stearoyl Glutamic Acid	Kobo Products
21.60	BYO-ASG3	Iron Oxides (CI 77492) (And) Stearoyl Glutamic Acid	Kobo Products
12.00	BRO-ASG3	Iron Oxides (CI 77491) (And) Stearoyl Glutamic Acid	Kobo Products
5.00	MSS-500W	Silica	Kobo Products
Part 2			
7.00	KOBOGUARD® MQ60DM	Trimethylsiloxysilicate (And) Dimethicone	Kobo Products
5.00	COSMOL™ 525	Neopentyl Glycol Diethylhexanoate	Ikeda/Kobo Products
1.00	Cosmoguard® SL CP	Phenoxyethanol (and) Ethylhexylglycerin	Cosmotec
100.00			

Description:

This Root Concealer is a high pigmented formula indicated for hiding growing hair roots and to cover grays instantly. It is composed of amino acid (ASG) treated pigments and filler, that provide color and cover. KOBOGUARD® MQ60DM is a water-insoluble resin used to provide adherence and product wear. A lightweight ester COSMOL™ 525 is used as liquid binder and silica microsphere MSS-500W is added to improve slip.

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.

Testing:

SPF: in vivo on 5 subjects
CW: FDA method



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