

FORMULARY

ASCC 2022

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KSL-359E

Natural Zinc Oxide Balm



%	INGREDIENT	INCI NAME	SUPPLIER
Part 1			
25.00	JOSP55XZJ	Zinc Oxide (And) Simmondsia Chinensis (Jojoba) Seed Oil (And) Polyhydroxystearic Acid (And) Jojoba Esters	Kobo Products
24.80	GCP45XZJ	Caprylic/Capric Triglyceride (And) Zinc Oxide (And) Polyhydroxystearic Acid (And) Jojoba Esters	Kobo Products
18.89	Protachem™ CTG	Caprylic/Capric Triglyceride	Protameen
6.00	MSS-500W	Silica	Kobo Products
5.00	SunBoost ATB Natural	Argania Spinosa Kernel Oil (And) Tocopheryl Acetate (And) Bisabolol	Kobo Products
2.00	MSS-500/H	Silica	Kobo Products
0.75	SILICA SHELLS	Silica	Kobo Products
Part 2			
0.75	FLORITE R	Calcium Silicate	Tomita/Kobo Products
Part 3			
12.00	Plandool™-LG1	Phytosteryl/Behenyl/Octyldodecyl Lauroyl Glutamate	Nippon/Kobo Products
3.00	Plandool™-LG3	Phytosteryl/Behenyl/Octyldodecyl Lauroyl Glutamate	Nippon/Kobo Products
1.75	MAKIGREEN VELVET WAX	Vegetable Oil (Olus Oil) (And) Oryza Sativa (Rice) Bran Oil (And) Oryza Sativa (Rice) Bran Wax (And) Rhus Succedanea Fruit Wax (And) Helianthus Annuus (Sunflower) Seed Wax	Daito/Kobo Products
Part 4			
0.06	CE-181668	Amyl Cinnamic Aldehyde	Custom Essence
100.00			

Description:

This soft white, anhydrous Zinc Oxide Balm offers minimal whitening to the skin and leaves a powdery, non-greasy after feel. Kobo dispersions JOSP55XZJ and GCP45XZJ provide broad spectrum UVA/UVB SPF46 protection. SunBoost ATB Natural is a proprietary ratio of natural ingredients that boosts SPF efficacy. Plandool™-LG1 and Plandool™-LG3 provide skin barrier moisture protection and waterproofing properties. MAKIGREEN VELVET WAX provides body to the formula and gives a matte appearance on skin. MSS-500W and MSS-500/H provide both slip to the formula and mattifying properties. SILICA SHELLS and FLORITE R are excellent oil absorbers, even at low percentages.

Manufacturing Procedure:

1. With moderate propeller mixing, heat Part 1 to 70-75 °C. Mix well until all is uniform.
2. Add Part 2 to Part 1 and continue mixing for 20 minutes and until the batch is smooth and uniform.
3. Add Parts 3 and 4, one at a time, with moderate propeller mixing, maintain temp @ 70-75 and mix for 20 minutes.
4. Ambient cool while propeller mixing at medium speed. Drop batch at 60-65 °C.

NOTE: Product can be reworked without change in rheology (reheated and repoured)

Active Ingredient(s):

Zinc Oxide 23.66%

Testing:

SPF: in vivo on 5 subjects
CW: FDA method



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KSL-390B-BR

All Mineral Face and Body Sunscreen



%	INGREDIENT	INCI NAME	SUPPLIER
Part 1			
50.85	Deionized Water	Water	
1.50	Glicerina Bi-Destilada U.S.P.	Glycerin	Synth
0.15	Goma Xantana	Xanthan Gum	M Cassab
Part 2			
14.50	ZNO-750-ASGP6	Zinc Oxide (And) Stearoyl Glutamic Acid (And) Polyhydroxystearic Acid	Kobo Products
10.00	NHP55STS	Titanium Dioxide (And) C13-15 Alkane (And) Stearic Acid (And) Aluminum Hydroxide (And) Polyhydroxystearic Acid	Kobo Products
6.00	EMOGREEN™ L15	C15-19 Alkane	Seppic
3.00	COSMOL™ 525	Neopentyl Glycol Diethylhexanoate	Ikeda/Kobo Products
2.50	PolyAqual™-2W	Polyglyceryl-2- Stearate, Glyceryl Stearate, Stearyl Alcohol	Innovacos
2.00	PolyAqual™-LW	Polyglyceryl-4 Laurate, Polyglyceryl-6 Laurate	Innovacos
2.00	T.I.O.	Triethylhexanoin	Ikeda/Kobo Products
1.50	SunBoost ATB	Argania Spinosa Kernel Oil (And) Tocopheryl Acetate (And) Bisabolol	Kobo Products
1.00	COSMOGUARD SL-CP	Phenoxyethanol (and) Ethylhexylglycerin	Cosmotec
0.50	Cetearyl Alcohol	Cetearyl Alcohol	Mapric
0.50	TEGIN® M Pellets	Glyceryl Stearate	Evonik
Part 3			
1.00	SEPI LIFE™ NUDE	Sodium Acrylate/Sodium Acryloyldimethyl Taurate Copolymer & C15-19 Alkane & Polyglyceryl-6 Laurate & Polyglycerin-6	Seppic
Part 4			
1.50	KOBOGUARD® 50AMP-G	Acrylates/Ethylhexyl Acrylate Copolymer (And) Water (And) Aminomethyl Propanol	Kobo Products
Part 5			
1.00	ASO-NJE2	Aluminum Starch Octenylsuccinate (And) Jojoba Esters	Kobo Products
0.50	MSS-500/3H	Silica	Kobo Products
100.00			

Description:

This 100% mineral sunscreen has a lightweight texture for daily use on face and body. It features a combination of Titanium Dioxide dispersion NHP55STS and Zinc Oxide powder ZNO-750-ASGP6 for balanced UVB/UVA protection. ASGP treated ZnO requires minimal energy to disperse. SunBoost ATB contains a proprietary ratio of anti-oxidant, anti-irritant and anti-inflammatory agents to help boost SPF and PFA. COSMOL™ 525 and T.I.O provide spreadability and a nice after feel. KOBOGUARD® 50AMP-G is a film former that helps in product wear. ASO-NJE2 is a modified starch treated with Jojoba Esters that imparts a smooth skin feel, and silica microsphere MSS-500/3H gives a matte finish with a non-tacky after feel.

Manufacturing

Procedure:

1. Combine Part 1 and mix until Xanthan Gum is fully dispersed.
2. Combine Part 2 and mix until Zinc Oxide is fully dispersed.
3. Add Part 2 to Part 1 and mix until homogeneous (use homogenizer).
4. Add Part 3 and mix until homogeneous.
5. Cool to 45°C under stirring and add Part 4. Mix until homogeneous.
6. Add Part 5 and mix until homogeneous.

Active Ingredient(s):

Zinc Oxide	13.63%
Titanium Dioxide	4.40%

Testing:

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

Notes:

CW: 370nm; tested using ISO 24443:2012 methodology



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KSL-420A-BR Natural Sunscreen



%	INGREDIENT	INCI NAME	SUPPLIER
Part 1			
23.40	Deionized Water	Water	
1.50	Glicerina Bi-Destilada U.S.P.	Glycerin	Synth
0.60	Cloreto de Sódio	Sodium Chloride	CAAL
Part 2			
22.50	NHP55STS	Titanium Dioxide (And) C13-15 Alkane (And) Stearic Acid (And) Aluminum Hydroxide (And) Polyhydroxystearic Acid	Kobo Products
20.00	Tegosoft® CT	Caprylic/Capric Triglycerides	Cosmotec
19.00	ZNO-750-NJE7	Zinc Oxide (And) Jojoba Esters	Kobo Products
3.50	Emulium® Illustro	Polyglyceryl-6 Polyhydroxystearate (and) Polyglyceryl-6 Polyricinoleate (and) Polyglycerol-6	Gattefossé/MCassa b
2.00	SunBoost ATB Natural	Argania Spinosa Kernel Oil (And) Tocopheryl Acetate (And) Bisabolol	Kobo Products
1.50	Olivem® 900	Sorbitan Olivatate	HallStar/QuantiQ
0.60	Tecwax Abelha	Beeswax	Cosmotec
0.40	SALACOS® HS-6C	Polyhydroxystearic Acid	Ikeda/Kobo Products
Part 3			
1.00	Lexgard® Natural	Glyceryl Caprylate (and) Glyceryl Undecylenate	Inolex
Part 4			
2.50	MSS-500/3H	Silica	Kobo Products
1.50	FLORITE PS-10	Calcium Silicate	Kobo Products
100.00			

Description:

Natural Sunscreen, composed of only mineral UV filters, leaves minimal white residue. It features the Natural Origin filters NHP55STS, a TiO2 dispersion in the light emollient C13-15 Alkane, and ZNO-750-NJE7, a ZnO powder treated with Jojoba Ester, to provide UVB and UVA protection. SunBoost ATB Natural is a proprietary ratio of antioxidant, anti-irritant and anti-inflammatory agents, that boosts SPF and PFA. SALACOS® HS-6C, helps in sunscreen dispersion. Calcium silicate microsphere FLORITE PS-10 and silica microsphere MSS-500/3H contribute with a non-oily after feel, while MSS-500/3H also imparts creaminess.

Manufacturing Procedure:

1. Combine Part 1 and heat to 75°C.
2. Combine Part 2. Mix until full dispersion of Zinc Oxide and heat to 75°C.
3. Add Part 1 to Part 2 slowly under stirring. Mix until homogeneous.
4. Cool to 60°C and add Part 3. Mix until homogeneous.
5. Cool to 25°C and add Part 4. Mix until homogeneous.

Active Ingredient(s):

Titanium Dioxide	9.96%
Zinc Oxide	17.58%

Testing:

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

Notes:

CW: 371nm; tested using ISO 24443:2012 methodology





KSL-487

Natural Zinc Oxide Creamy Sunscreen



%	INGREDIENT	INCI NAME	SUPPLIER
Part 1			
31.20	Deionized Water	Water	
2.00	SUPEROL® KPO, GLYCERIN 99.7% USP/FCC (KOSHER)	Glycerin	P&G Chemicals
0.80	Sodium Chloride	Sodium Chloride	Morton Salt
Part 2			
18.00	GC70MZCSG	Zinc Oxide (And) Caprylic/Capric Triglyceride (And) Stearoyl Glutamic Acid (And) Glyceryl Behenate/Eicosadioate	Kobo Products
16.00	Pelemol® CCT	Caprylic/Capric Triglyceride	Phoenix Chemical
12.00	ZNO-660-ASGP7	Zinc Oxide (And) Stearoyl Glutamic Acid (And) Polyhydroxystearic Acid	Kobo Products
5.00	SunBoost ATB Natural	Argania Spinosa Kernel Oil (And) Tocopheryl Acetate (And) Bisabolol	Kobo Products
4.00	Emulium® Illustro	Polyglyceryl-6 Polyhydroxystearate (and) Polyglyceryl-6 Polyricinoleate (and) Polyglycerin-6	Gattefosse
2.00	Olivem® 900	Sorbitan Olivatate	Hallstar
2.00	JOS10M5	Simmondsia Chinensis (Jojoba) Seed Oil (And) Silica	Kobo Products
2.00	Plandool™-LG2	Phytosteryl/Octyldodecyl Lauroyl Glutamate	Nippon/Kobo Products
2.00	EMOGREEN™ L15	C15-19 Alkane	Seppic
Part 3			
1.00	Lexgard® Natural	Glyceryl Caprylate (And) Glyceryl Undecylenate	Inolex
Part 4			
2.00	CELLULOBEADS D-10-NPC2	Cellulose (And) Hydrogenated Lecithin	Kobo Products
100.00			

Description:

A creamy, natural origin Zinc Oxide sunscreen. GC70MZCSG and ZNO-660-ASGP7 provide UVA and UVB protection. SunBoost ATB Natural boosts SPF and PFA. JOS10M5 provides texture and emolliency. Plandool™-LG2 is an amino acid-derived ester that creates lameller liquid crystals and provides moisture barrier protection. CELLULOBEADS D-10-NPC2, a 10 micron cellulose microsphere with Hydrogenated Lecithin treatment, creates a creamy texture and contributes to product softness.

Manufacturing Procedure:

1. Combine Part 1 in a side beaker and mix until salt is completely dissolved.
2. Combine Part 2 and heat to 80°C. Start heating Part 1 to 80°C while keeping tightly covered.
3. With moderate homogenization, slowly add Part 1 to Part 2. Homogenize thoroughly until batch is completely emulsified.
4. With slow to moderate homogenization, add Part 3 followed by Part 4.
5. Cool batch with mixing to 40°C.

Active Ingredient(s):

Zinc Oxide 23.40%

Testing:

SPF: in vivo on 3 subjects
CW: FDA method



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KSL-491

All Zinc Natural Mousse Sunscreen



%	INGREDIENT	INCI NAME	SUPPLIER
Part 1			
31.30	Deionized Water	Water	
1.00	Zemea®	Propanediol	Du Pont & Tate
1.00	Exilva FM 02-L	Water (And) Cellulose	Borregard
1.00	§UPEROL® KPO, GLYCERIN 99.7% USP/FCC (KOSHER)	Glycerin	P&G Chemicals
0.10	Keltrol® CG	Xanthan Gum	CP Kelco
Part 2			
30.00	GCP45XZJ	Caprylic/Capric Triglyceride (And) Zinc Oxide (And) Polyhydroxystearic Acid (And) Jojoba Esters	Kobo Products
22.00	JOSP55XZJ	Zinc Oxide (And) Simmondsia Chinensis (Jojoba) Seed Oil (And) Polyhydroxystearic Acid (And) Jojoba Esters	Kobo Products
Part 3			
5.00	LexFeel™ N20 MB	Diheptyl Succinate (and) Capryloyl Glycerin/Sebacic Acid Copolymer	Inolex
2.50	SunBoost ATB Natural	Argania Spinosa Kernel Oil (And) Tocopheryl Acetate (And) Bisabolol	Kobo Products
1.50	Olivem® 1000	Cetearyl Oliviate and Sorbitan Oliviate	Hallstar
Part 4			
2.00	Matte Lite® TF6	Montmorillonite (and) Sucrose Distearate (and) Sucrose Stearate	MMP International
Part 5			
2.00	MSS-500/3H	Silica	Kobo Products
Part 6			
0.60	AE Preserve® PCG	Phenethylalcohol (And) Caprylhydroxamic Acid (And) Glycerin	AE Chemie
100.00			

Description:

An all Zinc natural origin mousse sunscreen with minimal whitening and easy application. Exilva FM 02-L adds extra firmness to the formulation to enhance the mousse-like texture. GCP45XZJ and JOSP55XZJ provide UVA and UVB protection. SunBoost ATB Natural is a proprietary ratio of three ingredients that boosts SPF and PFA. MSS-500/3H adds enhanced cushion, slip and spreadability on the skin.

Manufacturing Procedure:

1. Homogenize Part 1 until uniform then heat to 85-90 °C and keep tightly covered.
2. Combine Parts 2 and 3. Heat to 85-90 °C. Maintain temperature and homogenize Parts 2 and 3 until uniform. When uniform, add Part 4 to Parts 2 and 3. Continue homogenizing until smooth (about 10 minutes).
3. Add Parts 2, 3, and 4 to Part 1 under homogenizer higher shear (1500 rpm). Continue mixing for 3 minutes or until fully smooth. Remove from heat.
4. Sprinkle in Part 5. Homogenize until smooth.
5. Switch to propeller mixer- sweep blade at 40 rpm. Add Part 6 at 45 °C. Continue mixing until 28 °C.

Active Ingredient(s):

Zinc Oxide 24.04%

Testing:

SPF: in vivo on 5 subjects
CW: FDA method



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KLF-096E

Natural Light to Touch Liquid Foundation

%	INGREDIENT	INCI NAME	SUPPLIER
Part 1			
10.00	Pelemol® CCT	Caprylic/Capric Triglyceride	Phoenix Chemical
3.00	Dermofat 4919	Stearic Acid	Alzo International Inc.
2.00	Lipo® GMS-450	Glyceryl Stearate	Vantage
1.00	Lipocol™ C	Cetyl Alcohol	Vantage
0.30	TWEEN 80	Polysorbate 80	Sigma Aldrich
Part 2			
7.50	BTD-ASGP3	Titanium Dioxide (And) Stearoyl Glutamic Acid (And) Polyhydroxystearic Acid	Kobo Products
1.00	BWYO-ASGP3	Iron Oxides (CI 77492) (And) Stearoyl Glutamic Acid (And) Polyhydroxystearic Acid	Kobo Products
0.30	BWRO-ASGP3	Iron Oxides (CI 77491) (And) Stearoyl Glutamic Acid (And) Polyhydroxystearic Acid	Kobo Products
0.20	BWBO-ASGP3	Iron Oxides (CI 77499) (And) Stearoyl Glutamic Acid (And) Polyhydroxystearic Acid	Kobo Products
Part 3			
67.25	Deionized Water	Water	
5.00	Butylene Glycol	Butylene Glycol	Ruger Chemical
1.20	Lexgard® Natural MB	Glyceryl Caprylate (and) Glyceryl Undecylenate	Inolex
1.00	DESAMINA	Methylglucamine	Vevey Europe
0.25	Keltrol® CG	Xanthan Gum	CP Kelco
100.00			

Description:

This natural water-based foundation contains minimal ingredients and has a light, elegant skin feel. The formula contains pigments with ASGP treatment, a natural origin hybrid treatment that aids in pigment dispersion and provides a creamy feel to the formula.

Manufacturing Procedure:

1. Combine Part 1 ingredients and mix well.
2. Blend Part 2 well, until color is fully developed.
3. Add Part 2 to Part 1. Mix well.
4. Heat Parts 1 and 2 together to 80°C.
5. Pre-mix Xanthan Gum and Butylene Glycol and add to water. Add the remaining ingredients in Part 3. Heat Part 3 to 80°C.
6. Add Part 3 to Parts 1 and 2 under propeller mixing.



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KLF-317

Natural Foundation

%	INGREDIENT	INCI NAME	SUPPLIER
Part 1			
59.25	Deionized Water	Water	
1.40	Geogard Ultra™	Glucanolate (And) Sodium Benzoate	Lonza
Part 2			
7.00	Matte Lite® TF6	Montmorillonite (and) Sucrose Distearate (and) Sucrose Stearate	MMP International
4.00	SUPEROL GLYCERINE USP, KOSHER GLYCERINE USP	Glycerin	P&G Chemicals
1.75	Nature® Film AP	Pullulan (and) Sorbitol (and) Trehalose (and) Acacia Senegal Gum	Sensient Cosmetic Technologies
1.00	RITAMECTANT PCA	Sodium PCA	Rita Corporation
Part 3			
4.35	Floraesters K-20W® Jojoba	Hydrolyzed Jojoba Esters (and) Water	Floritech
3.45	CrystalCast® MM	Beta-Sitosterol (and) Sucrose Stearate (and) Sucrose Distearate (and) Cetyl Alcohol (and) Isostearyl Alcohol	MMP International
2.20	MSS-500W	Silica	Kobo Products
1.70	MAKIBASE SEB	Polyglyceryl-3 Polycinoleate (And) Polyglyceryl-3 Diisostearate	Daito/Kobo Products
0.90	SUPEROL GLYCERINE USP, KOSHER GLYCERINE USP	Glycerin	P&G Chemicals
0.85	Cegesoft® SBE	Butyrospermum Parkii (Shea) Butter	BASF
0.85	DERMOFAT 4919	Stearic Acid	Alzo International
0.70	Plandool™-G	Bis-Behenyl/Isostearyl/Phytosteryl Dimer Dilinoleyl Dimer Dilinoleate	Nippon/Kobo Products
Part 4			
8.65	BTD-ASGP3	Titanium Dioxide (And) Stearoyl Glutamic Acid (And) Polyhydroxystearic Acid	Kobo Products
1.50	BWYO-ASGP3	Iron Oxides (CI 77492) (And) Stearoyl Glutamic Acid (And) Polyhydroxystearic Acid	Kobo Products
0.30	BWRO-ASGP3	Iron Oxides (CI 77491) (And) Stearoyl Glutamic Acid (And) Polyhydroxystearic Acid	Kobo Products
0.10	AE Preserve® PCG	Phenethylalcohol (And) Caprylhydroxamic Acid (And) Glycerin	AE Chemie
0.05	BWBO-ASGP3	Iron Oxides (CI 77499) (And) Stearoyl Glutamic Acid (And) Polyhydroxystearic Acid	Kobo Products
100.00			

Description:

This Natural Liquid Foundation adheres easily and blends perfectly, allowing skin to breathe. MSS-500W is a silica microsphere that offers a soft focus effect and enhanced feel. ASGP treated pigments disperse easily into the formula and promote better wear and adhesion to skin. MAKIBASE SEB is an ECOCERT approved emulsifier. Plandool™-G is a lanolin alternative ester that provides creaminess and a butter like feel to the formula.

Manufacturing Procedure:

1. Combine Part 1 with high shear prop mix at 80°C and mix until uniform. □
2. Add Parts 2 to Part 1 until uniform. □
3. Combine Part 3 and 4 under homogenizer. ◊ Mix well until uniformity is achieved, heat up to 80°C
5. Add Parts 3 and 4 to Part 1 and 2 with good agitation. ◊ Maintain 80°C for 15-30 minutes under homomixer.
6. Begin Cooling. Continue mixing until homogeneous.



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KPW-033C-BR

Natural Powder-to-Glow

%	INGREDIENT	INCI NAME	SUPPLIER
Part 1			
55.00	MICA S-NPC	Mica (And) Hydrogenated Lecithin	Kobo Products
5.26	BTD-ASG2	Titanium Dioxide (And) Stearoyl Glutamic Acid	Kobo Products
5.00	CELLULOBEADS D-10-NPC2	Cellulose (And) Hydrogenated Lecithin	Kobo Products
2.00	MSS-500W	Silica	Kobo Products
1.04	BYO-ASG3	Iron Oxides (CI 77492) (And) Stearoyl Glutamic Acid	Kobo Products
0.49	BRO-ASG3	Iron Oxides (CI 77491) (And) Stearoyl Glutamic Acid	Kobo Products
0.21	BBO-ASG3	Iron Oxides (CI 77499) (And) Stearoyl Glutamic Acid	Kobo Products
Part 2			
1.00	Lexgard® Natural	Glyceryl Caprylate (And) Glyceryl Undecylenate	Inolex
Part 3			
11.00	Deionized Water	Water	
Part 4			
7.50	COSMOL™ 43V	Polyglyceryl-2 Trisostearate	Ikeda/Kobo Products
5.00	TEGOSOFT® CT	Caprylic/Capric Triglycerides	Evonik
1.00	ISOLAN® GI 34	Polyglyceryl-4 Isostearate	Evonik
0.50	Tecwax Carnauba T3	Copernicia Cerifera (Carnauba) Wax	Fenix Ceras
Part 5			
4.00	KTZ® EXTRAFINE GOLD	Titanium Dioxide (And) Mica	Kobo Products
1.00	K-RAY® DarkBrown	Mica (And) Titanium Dioxide (And) Iron Oxides (CI 77499)	Kobo Products
100.00			

Description:

This Natural powder-to-cream formula leaves a radiant finish on the skin. It can be used on both face and body alone, under or over liquid foundation or mixed with moisturizing cream. It features ASG treated pigments coated with amino acid that provide a creamy feel to the formula. Kobo's Silica Microsphere MSS-500W, a wide distribution particle size spherical silica, is added to improve spreadability, slip and silkiness of the formula. MICA S-NPC and CELLULOBEADS D-10-NPC2 are treated with Hydrogenated Lecithin which offers a creamy texture, moisturizing feel and excellent affinity to the skin. COSMOL™ 43V acts as a liquid binder to transform the powder to cream. The combination of KTZ® EXTRAFINE GOLD and K-RAY® DarkBrown impart a bronze glow effect.

Manufacturing Procedure:

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



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KPP-117D

Natural Pressed Powder with SERICITE GMS-4C

%	INGREDIENT	INCI NAME	SUPPLIER
Part 1			
70.68	SERICITE GMS-4C	Mica	Kobo Products
10.00	MSS-500W	Silica	Kobo Products
7.00	RBTD-671-NJE2	Titanium Dioxide (And) Jojoba Esters	Kobo Products
2.00	MAGNESIUM MYRISTATE	Magnesium Myristate	Kobo Products
1.00	BYO-NJE3	Iron Oxides (CI 77492) (And) Jojoba Esters	Kobo Products
0.86	BRO-NJE2	Iron Oxides (CI 77491) (And) Jojoba Esters	Kobo Products
0.46	BBO-NJE2	Iron Oxides (CI 77499) (And) Jojoba Esters	Kobo Products
Part 2			
7.50	JOJOBA OIL	Simmondsia Chinensis (Jojoba) Seed Oil	Vantage
0.50	Lexgard® Natural MB	Glyceryl Caprylate (and) Glyceryl Undecylenate	Inolex
100.00			

Description:

This pressed powder is perfect for a natural, yet high coverage look that will last throughout the day. It features SERICITE GMS-4C, which provides good spreadability and a smooth application. Silica microsphere, MSS-500W, adds slip and contributes to a creamy feel. Kobo's patented Natural Jojoba Ester-treated pigments (NJE) have great adherence to the skin, contributing to long wear. MAGNESIUM MYRISTATE works as a dry binder due to its good pressability.

Manufacturing Procedure:

1. Add Part 1 and micropulverize until color is fully developed.
2. Add Part 2 and blend until uniform.
3. Add Part 3 and blend well.
4. Press at 400 psi.





KMA-076H

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

%	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	Dermofat 4919	Stearic Acid	Alzo Chemical
2.00	Panalene® H-300E	Hydrogenated Polyisobutene	Vantage
1.60	Tween™ 80	Polysorbate 80	Croda
1.00	ELEMENT14 PDMS 5-A	Dimethicone	Momentive
1.00	Prisorine™ 3515	Isostearyl Alcohol	Croda
1.00	Plandool™-G	Bis-Behenyl/Isostearyl/Phytosteryl Dimer Dilinoleyl Dimer Dilinoleate	Nippon/Kobo Products
Part 2			
13.65	Deionized Water	Water	
2.00	Butylene Glycol	Butylene Glycol	Ruger Chemical
1.00	MSS-500W	Silica	Kobo Products
1.00	SERICITE GMS-4C	Mica	Kobo Products
0.80	AMP ULTRA® PC 2000	2-Amonoisobutanol	Angus Chemical Company
0.15	Natrosol® 250 HHR	Hydroxyethylcellulose	Ashland
0.10	Protacide Na3 EDTA™	Trisodium EDTA	Protameen
0.10	Jeen Potassium Sorbate USP	Potassium Sorbate	Jeen International
0.10	AQUA KEEP 10SH-NFC	Sodium Acrylates Crosspolymer-2	Sumitomo Seika/Kobo Products
0.05	S-6W-6	Simethicone	Shin-Etsu
Part 3			
30.15	KOBOGUARD® 50AMP-G	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 (And) PEG-40 Hydrogenated Castor Oil (And) Water (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-G. 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.



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KLP-287

Light Nude Lipstick

%	INGREDIENT	INCI NAME	SUPPLIER
Part 1			
25.00	Liponate® TDTM	Tridecyl Trimellitate	Vantage
21.92	SALACOS® 99	Isononyl Isononanoate	Kobo Products
7.00	PERFORMALENE® M 70 Wax	Synthetic Wax	New Phase
7.00	Cegesoft® SBE	Butyrospermum Parkii (Shea) Butter	BASF
7.00	KOBOGUARD® HRCC	Hydrogenated Polycyclopentadiene (And) Hydrogenated Castor Oil (And) Copernicia Cerifera (Carnauba) Wax (And) Tocopherol	Kobo Products
6.00	Plandool™-H	Phytosteryl/Isostearyl/Cetyl/Stearyl/Behenyl Dimer Dilinoleate	Nippon/Kobo Products
5.00	CARNAUBA WAX SP 63P	Copernicia Cerifera (Carnauba) Wax	Strahl & Pitch
3.00	COSMOL™ 168ARV	Dipentaerythrityl Hexahydroxystearate/Hexastearate/Hexarosinate	Kobo Products
Part 2			
6.60	INBP70U	Titanium Dioxide (And) Isononyl Isononanoate (And) Isopropyl Myristate (And) Stearalkonium Hectorite (And) Isopropyl Titanium Triisostearate (And) Propylene Carbonate (And) Polyhydroxystearic Acid	Kobo Products
2.00	INBP50R33A	Red 33 Lake (And) Isononyl Isononanoate (And) Isopropyl Myristate (And) Stearalkonium Hectorite (And) Polyhydroxystearic Acid (And) Isopropyl Titanium Triisostearate (And) Propylene Carbonate	Kobo Products
2.00	INBP50Y5A	Yellow 5 Lake (And) Isononyl Isononanoate (And) Isopropyl Myristate (And) Stearalkonium Hectorite (And) Isopropyl Titanium Triisostearate (And) Propylene Carbonate (And) Polyhydroxystearic Acid	Kobo Products
0.10	INBP75EB	Iron Oxides (CI 77499) (And) Isononyl Isononanoate (And) Isopropyl Myristate (And) Stearalkonium Hectorite (And) Polyhydroxystearic Acid (And) Isopropyl Titanium Triisostearate (And) Propylene Carbonate	Kobo Products
Part 3			
1.00	MSS-500/3H	Silica	Kobo Products
0.30	K-RAY® MagBronze	Mica (And) Iron Oxides (CI 77491) (And) Iron Oxides (CI 77499)	Kobo Products
Part 4			
5.00	MSS-500W	Silica	Kobo Products
0.30	Lexgard® Natural	Glyceryl Caprylate (And) Glyceryl Undecylenate	Inolex
99.22			

Description:

A semi-satin cream lipstick in a light nude shade that is saturated with pigment dispersions and made with nurturing esters, structurizing waxes and a film former. KOBOGUARD® HRCC is a wax resin composite that improves the wear properties and smudge resistance of the formulation and stability of the stick. Plandool™-H is a lanolin alternative ester that imparts smoothness, hydration and glide to the formula. INBP pigmentary dispersions add buildable and non-drying coverage, and ease the manufacturing and shade matching processes. K-RAY® MagBronze is the source of delicate luminosity. MSS-500W, a spherical silica microsphere, improves glide, adds a silky feel on the lips, prevents feathering and improves color payoff.

Manufacturing Procedure:

1. Heat Part 1 to 85°C under propeller mixing. □
2. Add Part 2. Mix until uniform. □
3. Add Part 3. Mix until uniform.
4. Slowly Add Part 4. Mix until uniform
5. Pour into lipstick mold at 80°C.



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KLG-104

Natural Glossy Balm

%	INGREDIENT	INCI NAME	SUPPLIER
Part 1			
50.45	Crystal® O	Ricinus Communis (Castor) Seed Oil	Vertellus LLC
15.00	KOBOGUARD® NATURAL 2063-CCT	Glyceril Hydrogenated Rosinate (And) Caprylic/Capric Triglyceride	Kobo Products
10.00	CO15M5	Ricinus Communis (Castor) Seed Oil (And) Silica	Kobo Products
4.00	Plandool™-MAS	Phytosteryl Macadamiate	Nippon/Kobo Products
3.00	Plandool™-LG3	Phytosteryl/Behenyl/Octyldodecyl Lauroyl Glutamate	Nippon/Kobo Products
2.00	Sunflower Wax	Helianthus Annus (Sunflower) Seed Wax	Koster Keunen
Part 2			
0.30	OD75RJE	Iron Oxides (CI 77491) (And) Octyldodecanol (And) Jojoba Esters (And) Trihydroxystearin	Kobo Products
0.20	GCG50TYSG	Iron Oxides (CI 77492) (And) Caprylic/Capric Triglyceride (And) Polyglyceryl-3 Diisostearate (And) Stearoyl Glutamic Acid	Kobo Products
0.20	GCG50TRSG	Iron Oxides (CI 77491) (And) Caprylic/Capric Triglyceride (And) Polyglyceryl-3 Diisostearate (And) Stearoyl Glutamic Acid	Kobo Products
0.05	CO40SS	Sodium Saccharin (And) Ricinus Communis (Castor) Seed Oil (And) BHT	Kobo Products
Part 3			
2.50	MSS-500W	Silica	Kobo Products
2.00	KTZ® EXTRAFINE SUNGLOW	Mica (And) Iron Oxides (CI 77491)	Kobo Products
89.70			

Description:

A sheer, buildable natural tinted lip balm with moisture barrier repair properties. KOBOGUARD® NATURAL 2063-CCT, a natural origin film former, provides a long-lasting flexible film. CO15M5 is a castor oil based fumed silica gellant which imparts emolliency and cushion to the application. The combination of Plandool™-MAS and Plandool™-LG3 provide moisture barrier repair properties to the lips. OD75RJE, GCG50TRSG and GCG50TYSG create the background color. CO40SS adds a pleasant, sweet taste. MSS-500W improves payoff and blurs fine lines. KTZ® EXTRAFINE SUNGLOW contributes to and complements the shade.

Manufacturing Procedure:

1. Combine liquids of Part 1, start to heat to 85-90°C. Prop mix for 1 hour minimum (make sure that waxes are all dissolved and Part 1 is clear when hot).
2. Pre-mix Part 2, then add to Part 1 while propeller mixing. Mix until batch is uniform.
3. Pre-blend Part 3, then add to Parts 1 and 2 slowly. Do not entrap air. Mix until batch is uniform.
4. Pour at 75-80°C directly into lip balm components.



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KFL-231B

Anti-Aging Matcha Eye Cream

%	INGREDIENT	INCI NAME	SUPPLIER
Part 1			
69.70	Deionized Water	Water	
1.50	AMP Ultra® PC 2000	2-Amonoisobutanol	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	Dermol 25B	C12-15 Alkyl Benzoate	Alzo International
5.00	SunBoost ATB	Argania Spinosa Kernel Oil (And) Tocopheryl Acetate (And) Bisabolol	Kobo Products
3.00	Lipo® GMS-450	Glyceryl Stearate	Vantage
0.07	SW40Y5A	Synthetic Wax (And) Yellow 5 Lake (And) Isopropyl Titanium Triisostearate	Kobo Products
0.03	SW30B1A	Synthetic Wax (And) Blue 1 Lake (And) Isopropyl Titanium Triisostearate	Kobo Products
Part 3			
1.00	MSS-500W	Silica	Kobo Products
0.20	K-RAY® MagGreen	Titanium Dioxide (And) Mica (And) Iron Oxides (CI 77499)	Kobo Products
Part 4			
0.50	Mikrokill® COS	Phenoxyethanol (And) Chlorphenesin (And) Caprylyl Glycol	Arch Chemicals, Inc
Part 5			
1.00	Gs-GTS	Water (And) Pentylene Glycol (And) Palmitoyl Hydroxypropyltrimonium Amylopectin/Glycerin Crosspolymer (And) Camellia Sinensis Leaf Extract (And) 1,2-Hexanediol (And) Caprylyl Glycol (And) Hydrogenated Lecithin	Kobo Products
100.00			

Description:

This matcha cream prevents wrinkles and slows the process of aging while giving the skin a natural glow. It features Glycosphere Gs-GTS, which contains entrapped green tea extract. Green tea extract is a free-radical scavenger for anti-inflammatory properties that increases cell turnover. 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 combination of SW dispersions with K-RAY® MagGreen provides the green shade representing green tea.

Manufacturing Procedure:

1. Combine 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. Maintain heat for 2 minutes then begin to cool.
4. Add Part 3 to batch while cooling.
5. When batch reaches 60°C, add Part 4 followed by Part 5. Drop batch immediately after.



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KFL-248

Banana Souffle Moisturizer

%	INGREDIENT	INCI NAME	SUPPLIER
Part 1			
59.27	Deionized Water	Water	
3.00	Zemea® Propanediol	Propanediol	Dupont Tate & Lyle
2.00	Butylene Glycol	Butylene Glycol	Ruger Chemical
0.10	Protacide Na3 EDTA	Trisodium EDTA	Protameen Chemicals
0.08	Carbopol Ultrez-21	Acrylates/C10-30 Alkyl Acrylate Crosspolymer	Lubrizol Corporation
Part 2			
4.00	Glycerin U.S.P. F.C.C. 96%	Glycerin	Ruger Chemical
0.20	Keltrol® CG	Xanthan Gum	CP Kelco
Part 3			
0.08	Tris Amino® Ultra PC	Tromethamine	Angus Chemical Company
Part 4			
7.00	Neossance® Hemisqualane	C13-15 Alkane	Centerchem
5.00	JOS10M5	Simmondsia Chinensis (Jojoba) Seed Oil (And) Silica	Kobo Products
5.00	Squalane NF	Squalane	Ruger Chemical
4.00	Neosolue™-DiSM	Diisostearyl Malate	Nippon/Kobo Products
3.00	SunBoost ATB	Argania Spinosa Kernel Oil (And) Tocopheryl Acetate (And) Bisabolol	Kobo Products
2.40	Lipocol® C	Cetyl Alcohol	Vantage
2.40	Lipomulse® Luxe	Cetearyl Alcohol (and) Glyceryl Stearate (and) PEG-40 Stearate (and) Ceteareth - 20	Vantage
0.40	JOH65UJE	Titanium Dioxide (And) Simmondsia Chinensis (Jojoba) Seed Oil (And) Jojoba Esters (And) Polyglyceryl-6 Polyricinoleate (And) Silica	Kobo Products
0.07	JOH45YJE	Iron Oxides (CI 77492) (And) Simmondsia Chinensis (Jojoba) Seed Oil (And) Jojoba Esters (And) Polyglyceryl-6 Polyricinoleate (And) Silica	Kobo Products
Part 5			
1.00	MSS-500W	Silica	Kobo Products
Part 6			
0.70	Euxyl® PE 9010	Phenoxyethanol (And) Ethylhexylglycerin	Schulke & Mayr
0.30	Lexgard® O	Caprylyl Glycol	Schulke & Mayr
100.00			

Description:

This is a soothing, lightweight moisturizer that contributes to hydrated, soft skin. Neosolue™-DiSM and JOS10M5 provide emolliency. JOH Pigmentary dispersions create the yellow shade. SunBoost ATB is a proprietary ratio of antioxidant, anti-irritant and anti-inflammatory agents which conditions, moisturizes and nourishes the skin. MSS-500W offers enhanced slip while contributing to the soft after feel.

Manufacturing Procedure:

1. Propeller mix Part 1 and heat to 80°C until fully dissolved.
2. Premix Part 2 and add to Part 1 under propeller mixer. When uniform add Part 3.
3. Mix Part 4 and heat to 80°C.
4. Add Part 4 to Parts 1, 2 and 3. Continue mixing until uniform.
5. Sprinkle in Parts 5 and 6 at 45°C. Continue mixing until room temperature.



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KFL-255

Unisex Natural Deodorant Stick

%	INGREDIENT	INCI NAME	SUPPLIER
Part 1			
27.60	Pelemol® CCT	Caprylic/Capric Triglyceride	Phoenix Chemicals
15.20	ZNO-C-NJE3	Zinc Oxide (And) Jojoba Esters	Kobo Products
7.00	Eutanol® G	Octyldodecanol	BASF
6.90	Plandool™-LG2	Phytosteryl/Octyldodecyl Lauroyl Glutamate	Nippon/Kobo Products
6.00	Plandool™-G	Bis-Behenyl/Isostearyl/Phytosteryl Dimer Dilinoleyl Dimer Dilinoleate	Nippon/Kobo Products
3.00	Lipex SheaLight	Shea Butter Ethyl Esters	AAK
2.00	MSS-500W	Silica	Kobo Products
2.00	SunBoost ATB Natural	Argania Spinosa Kernel Oil (And) Tocopheryl Acetate (And) Bisabolol	Kobo Products
0.40	SILICA SHELLS	Silica	Kobo Products
Part 2			
16.00	Soy Wax #350F	Hydrogenated Soybean Oil	Koster Keunen
12.90	Beeswax White Sp 422P	Beeswax	Strahl & Pitsch
1.00	Lexgard® O	Caprylyl Glycol	Inolex
100.00			

Description:

Unisex Natural Deodorant Stick glides on smoothly and leaves no white residue on clothing. Just one to two swipes give long-lasting odor protection and keeps underarms feeling dry and fresh all day. The product is made with natural ingredients and is free of parabens and aluminum compounds. It features a blend of ZNO-C-NJE3, MSS-500W and SILICA SHELLS which helps to absorb excess of sweat and unpleasant odor, improves glide and softness of application. PLANDOOL™-G helps the stick glide smoothly upon application. Plandool™-LG2 improves malleability of the wax and provides additional structure. SunBoost ATB Natural provides anti-irritation, soothing and nourishing properties to underarm skin.

Manufacturing Procedure:

1. Combine Part 1. Homogenize at 3800rpm 15min. □
2. Switch to prop mix at 80° C. Add Part 2 to Part 1. □
3. Direct pour into deodorant components.



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KOBO

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