

Koboo Products

formulary

Colamiqc 2011

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Featuring W50ZPT-UF

Sunscreen Stick with HBTN65HP1 and HBTN55TIS

Formula KSL-171A



Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
1	29.84	Unitolate 160K	Caprylic/Capric Triglyceride	Universal Preserv-A-Chem
	13.64	HBTN55TIS	Butyloctyl Salicylate (And) Titanium Dioxide (And) Isostearic Acid (And) Aluminum Hydroxide (And) C12-15 Alkyl Benzoate	Kobo Products
	11.00	Ozokerite Wax White SP 1020P	Ozokerite	Strahl & Pitsch, Inc.
	9.00	Jeechem ISIS	Isostearyl Isostearate	Jeen International
	7.22	HBTN65HP1	Zinc Oxide (And) Butyloctyl Salicylate (And) C12-15 Alkyl Benzoate (And) Triethoxycaprylylsilane	Kobo Products
	6.00	Lanolin Technical Grade	Lanolin	RITA Corp.
	5.50	Candelilla Wax	Euphorbia Cerifera (Candelilla) Wax	Frank B. Ross
	5.00	Castor Oil	Ricinus Communis (Castor) Seed Oil	Alzo International Inc.
	4.50	Carnauba Wax	Copernicia Cerifera (Carnauba) Wax	Frank B. Ross
	4.00	Softisan® 100	Hydrogenated Coco-Glycerides	Condea Chemie
	4.00	Beeswax White SP 422P	Beeswax	Strahl & Pitsch, Inc.
	0.30	Vitamin E Acetate	Tocopherol Acetate	BASF

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Manufacturing Procedure

Add all ingredients together and heat to 70-80°C. Mix until all waxes are melted and pour into sticks at 78-80°C.

Description

This stick applies smoothly and is convenient to use. This sunscreen uses Kobo's Zinc Oxide Dispersion, HBTN65HP1 and Titanium Dioxide Dispersion, HBTN55TIS, for UVA/UVB protection. The Butyloctyl Salicylate is a booster to help increase the SPF value.

Notes

Active Ingredient(s)	
Zinc Oxide	4.60%
Titanium Dioxide	6.00%

SPF testing: in vivo on 3 subjects

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February, 2010



www.koboproducts.com

Balanced TiO2 Sunscreen Featuring TNQP55T5S

Formula KSL-181



Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
1	12.00	Finsolv TN	C12-15 Alkyl Benzoate	Finetex
	3.00	Squalane NF	Squalane	Barnet Products
	1.00	ARGAN OIL	Argania Spinosa Kernel Oil	Centerchem, Inc.
	1.00	KOBOGUARD® 5400 CCT	Hydrogenated Polycyclopentadiene (And) Caprylic/Capric Triglyceride	Kobo Products
	0.50	LUCENTITE SAN-P	Quaternium-18 Hectorite	Kobo Products
	0.30	Covi-ox® T-50	Tocopherol	Cognis Corp.
2	0.05	Propylene Carbonate	Propylene Carbonate	Spectrum Chemical Mfg Corp.
3	20.00	TNQP55T5S	C12-15 Alkyl Benzoate (And) Titanium Dioxide (And) Stearic Acid (And) Aluminum Hydroxide (And) Polyhydroxystearic Acid	Kobo Products
	3.00	Abil® WE 09	Polyglyceryl-4 Isostearate (And) Cetyl PEG/PPG-10/1 Dimethicone (And) Hexyl Laurate	Evonik
	2.00	Arlacel P135	PEG-30 Dipolyhydroxystearate	Croda
	1.00	SF1550	Phenyl Trimethicone	Momentive/Kobo Products
4	52.90	Deionized Water	Water	
	1.00	Aculyn 44	PEG-150/Decyl Alcohol/SMDI Copolymer	Rohm & Haas
	1.00	Glycerin U.S.P. Natural 96%	Glycerin	Cognis Corp.
	0.75	Sodium Chloride	Sodium Chloride	Morton Salt
5	0.50	Botanistat P-64	Phenoxyethanol (and) Caprylyl Glycol (and) Ethylhexylglycerin (and) Hexylene Glycol	DD Chemco

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Manufacturing Procedure

1. Combine Part 1 and homogenize.
2. Add Part 2 to Part 1 while homogenizing.
3. Combine Part 3 and heat slightly.
4. Heat Parts 1 and 2 slightly.
5. Homogenize Parts 1 and 2 while adding Part 3.
6. Heat part 4 slightly.
7. Add Part 4 while homogenizing.
8. Add Part 5 at end.

Description

This sunscreen has a light, elegant feel with minimal whitening. TNQP55T5S offers broad spectrum protection. Koboguard® 5400 IDD gives gloss to the formula and helps to provide long wear properties. Lucentite SAN-P gives thickening and stabilizes the emulsion.

Notes

Active Ingredient(s)
Titanium Dioxide 9.02%

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

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Control for KSL-188 Series with TNP50T7

Formula KSL-188



Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
1	18.00	TNP50T7	C12-15 Alkyl Benzoate (And) Titanium Dioxide (And) Alumina (And) Polyhydroxystearic Acid (And) Methicone	Kobo Products
	10.00	KF-995	Cyclopentasiloxane	Shin Etsu
	10.00	Finsolv® TN	C12-15 Alkyl Benzoate	Finetex
	3.00	SILSOFT 034	Caprylyl Methicone	Momentive/Kobo Products
	3.00	ABIL® WE 09	Polyglyceryl-4 Isostearate (And) Cetyl PEG/PPG-10/1 Dimethicone (And) Hexyl Laurate	Evonik
	1.00	THIXCIN® R	Trihydroxystearin	Elementis Specialties
	1.00	Lipo® GMS-450	Glyceryl Stearate	Lipo Chemicals
	1.00	ELEMENT14 PDMS 350	Dimethicone	Momentive/Kobo Products
2	47.50	Deionized Water	Water	
	1.00	Sodium Chloride	Sodium Chloride	Morton Salt
	1.00	Germaben® II	Propylene Glycol (And) Diazolidinyl Urea (And) Methylparaben (And) Propylparaben	ISP
	1.00	Aculyn™ 44	PEG-150/Decyl Alcohol/Smdl Copolymer	Rohm & Haas
	0.50	Liposorb® L-20	Polysorbate 20	Lipo Chemicals
3	2.00	MSS-500W	Silica	Kobo Products
100				

Manufacturing Procedure

- Mix and heat Part 1 to 80°C.
- Mix and heat Part 2 to 80°C.
- Under propeller mixing add Part 2 to Part 1.
- Homogenize for 5 minutes at 4500 rpm while cooling.
- Gently stir in Part 3 at end.

Description

This sunscreen contains Kobo's Titanium Dioxide dispersion TNP50T7. Element14 PDMS 350 and Silsoft 034 are silicones that contribute to excellent slip during application and afterfeel. MSS-500W is a spherical silica that provides slip during application and helps to reduce shine on the skin.

Notes

SPF testing: in vivo on 3 subjects

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High SPF Sunscreen with TNP50T7-ATB

Formula KSL-188E



Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
1	18.03	TNP50T7-ATB	C12-15 Alkyl Benzoate (And) Titanium Dioxide (And) Argania Spinosa Kernel Oil (And) Alumina (And) Methicone (And) Tocopheryl Acetate (And) Polyhydroxystearic Acid (And) Bisabolol	Kobo Products
	10.00	KF-995	Cyclopentasiloxane	Shin Etsu
	9.97	Finsolv® TN	C12-15 Alkyl Benzoate	Finetex
	3.00	SILSOFT 034	Caprylyl Methicone	Momentive/Kobo Products
	3.00	ABIL® WE 09	Polyglyceryl-4 Isostearate (And) Cetyl PEG/PPG-10/1 Dimethicone (And) Hexyl Laurate	Evonik
	1.00	THIXIN® R	Trihydroxystearin	Elementis Specialties
	1.00	Lipo® GMS-450	Glyceryl Stearate	Lipo Chemicals
	1.00	ELEMENT14 PDMS 350	Dimethicone	Momentive/Kobo Products
2	47.50	Deionized Water	Water	
	1.00	Sodium Chloride	Sodium Chloride	Morton Salt
	1.00	Germaben® II	Propylene Glycol (And) Diazolidinyl Urea (And) Methylparaben (And) Propylparaben	ISP
	1.00	Aculyn 44	PEG-150/Decyl Alcohol/SMDI Copolymer	Rohm & Hass
	0.50	Liposorb® L-20	Polysorbate 20	Lipo Chemicals
3	2.00	MSS-500W	Silica	Kobo Products

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Manufacturing Procedure

- Mix and heat Part 1 to 80°C.
- Mix and heat Part 2 to 80°C.
- Under propeller mixing add Part 2 to Part 1.
- Homogenize for 5 minutes at 4500 rpm while cooling.
- Gently stir in Part 3 at end.

Description

This sunscreen features Kobo's New Titanium Dioxide Dispersion TNP50T7-ATB, for UVA/UVB protection. This dispersion contains antioxidants and anti-inflammatories which help to boost SPF. This sunscreen also contains Silsoft 034 and ELEMENT14 PDMS 5, which are silicones that give excellent slip during application and afterfeel. MSS-500W spherical silica gives slip during application and reduces shine on the skin.

Notes

SPF testing: in vivo on 3 subjects

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High SPF O/W Sunscreen Featuring HBP50VMTS & HBTN65HP1

Formula KSL-190



Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
1	54.88	Deionized Water	Water	
2	4.00	Glycerin U.S.P. Natural 96%	Glycerin	Cognis Corp.
	0.20	KELTROL® CG	Xanthan Gum	CP Kelco
	0.20	Methyl Paraben NF	Methylparaben	International Sourcing
3	16.00	HBP50VMTS	Butyloctyl Salicylate (And) Titanium Dioxide (And) Alumina (And) Methicone (And) Polyhydroxystearic Acid (And) Isopropyl Titanium Triisostearate (And) Triethoxycaprylylsilane	Kobo Products
	7.22	HBTN65HP1	Zinc Oxide (And) Butyloctyl Salicylate (And) C12-15 Alkyl Benzoate (And) Triethoxycaprylylsilane	Kobo Products
	4.20	Dermol 25B	C12-15 Alkyl Benzoate	Alzo International Inc.
	2.50	Lipo® GMS 450	Glyceryl Stearate	Lipo Chemicals
	2.50	Lipopeg® 100-S	PEG-100 Stearate	Lipo Chemicals
	0.50	ARGAN OIL	Argania Spinosa Kernel Oil	Centerchem, Inc.
	0.40	Shea Butter	Shea Butter	Cognis Corp.
	0.30	Tocopherol	Tocopherol	BASF
	0.10	Propyl Paraben NF	Propylparaben	International Sourcing
	4	3.00	MSS-500W	Silica
1.00		Sepigel™ 305	Polyacrylamide (And) C13-14 Isoparaffin (And) Laureth-7	SEPPIC
5	3.00	DAITOSOL 5000AD	Acrylates Copolymer (And) Water	Daito/Kobo Products

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Manufacturing Procedure

1. Combine Part 1 and heat to 70°C.
2. Combine Part 2 ingredients into a slurry and add to Part 1 while mixing.
3. Combine Part 3 and heat to 70°C.
4. Combine Parts 1 and 2 with Part 3 under homogenization.
5. Add Parts 4 and 5 while cooling.

Description

This sunscreen uses Kobo's Zinc Oxide Dispersion, HBTN65HP1 and Titanium Dioxide Dispersion, HBP50VMTS, for UVA/UVB protection. The Butyloctyl Salicylate is a booster to help increase the SPF value. This product also contains DAITOSOL 5000AD which is a transparent type of film former that helps to give water resistance to the formulation. MSS-500W spherical silica gives slip during application and reduces shine on the skin.

Notes

Active Ingredient(s)	
Titanium Dioxide	6.08%
Zinc Oxide	4.51%

SPF testing: in vivo on 3 subjects

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Elegant W/O White Sunscreen Lotion with Formula KSL-199A Composite ACT-50



Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
1	62.74	Deionized Water	Water	
	1.00	Sodium Chloride	Sodium Chloride	Morton Salt
	1.00	MgSO4 7H2O	Magnesium Sulphate Heptahydrate	Du Pont Chemicals
	0.20	Methyl Paraben NF	Methylparaben	International Sourcing
	0.06	Propyl Paraben NF	Propylparaben	International Sourcing
2	12.00	COMPOSITE ACT-50	Titanium Dioxide (And) Acrylates Copolymer (And) Hydrated Silica (And) Algin (And) Aluminum Hydroxide	Kobo Products
	10.00	Panalene® L-14E	Hydrogenated Polyisobutene	Lipo Chemicals, Inc.
	5.00	Plurol Diisostearate	Triglycerol Diisostearate	Gattefosse
	3.00	Fitoderm®	Squalane	Centerchem, Inc.
3	4.00	SF1202	Cyclopentasiloxane	Momentive/Kobo Products
	1.00	Jeesilc PS-VHBF	Isododecane (And) Bis Vinyl Dimethicone/Dimethicone Copolymer	Jeen International

100

Manufacturing Procedure

1. Combine Part 1 ingredients and heat to 70°C.
2. Add Part 2 to Part 1.
3. Combine Part 3 ingredients and heat to 70°C.
4. Add Part 3 to Parts 1 and 2 while cooling.

Description

This elegant W/O Sunscreen features Kobo's new Composite ACT-50. This material is a transparent, non-nano, entrapped Titanium Dioxide. It gives improved hydrophobicity to the formula, and along with SF1202, enhanced skin feel during application.

Notes

Active Ingredient(s)	
Titanium Dioxide	6.41%

SPF testing: in vivo on 3 subjects

Kobo Products, Inc.

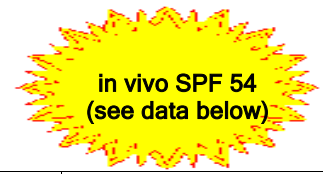
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High SPF Sunscreen with SunBoost-ATB

Formula KSL-201



Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
1	45.90	Deionized Water	Water	
	1.00	Liposorb® L-20	Polysorbate 20	Lipo Chemicals
2	1.50	Propylene Glycol	Propylene Glycol	Symrise
	0.30	KELTROL® CG	Xanthan Gum	CP Kelco
3	15.00	Neo Heliopan® HMS	Homosalate	Symrise
	10.00	Neo Heliopan® OS	Ethylhexyl Salicylate	Symrise
	7.00	Ceraphyl® 368	Ethylhexyl Palmitate	ISP
	5.00	SunBoost ATB	Argania Spinosa Kernel Oil (And) Tocopheryl Acetate (And) Bisabolol	Kobo Products
	3.00	Neo Heliopan® 357	Butyl Methoxydibenzoylmethane	Symrise
	3.00	Lipo® GMS 450	Glyceryl Stearate	Lipo Chemicals
	3.00	Neo Heliopan® BB	Benzophenone-3	Symrise
	2.00	Lipomulse® 165	Glyceryl Stearate (And) PEG-100 Stearate	Lipo Chemicals
	0.50	Lipowax® D	Cetearyl Alcohol (And) Cetareth-20	Lipo Chemicals
	0.50	Covi-ox® T-50	Tocopherol	Cognis Corporation
	0.30	Liposorb® TS	Sorbital Tristearate	Lipo Chemicals
4	1.00	Botanistat PF-64	Phenoxyethanol (and) Caprylyl Glycol (and) Ethylhexylglycerin (and) Hexylene Glycol	DD Chemco
5	1.00	Aculyn™ 44	PEG-150/Decyl Alcohol/SMDI Copolymer	Rohm & Haas

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Manufacturing Procedure

1. In main kettle, combine Part 1 ingredients and heat to 78-80°C.
2. Combine Part 2 ingredients and heat to 80°C. Mix until uniform using propeller mixer.
3. Add Part 2 to Part 1 and mix until uniform.
4. Combine Part 3 ingredients. Heat to 80°C and add to batch with propeller mixing.
5. Add Part 4 while cooling.
6. Homogenize for approximately 2 minutes at 4000 rpm.
7. Add Part 5 to batch.
8. Homogenize for approximately 1 minute at 4000 rpm.
9. Cool batch to 30°C.

Description

This sunscreen contains Kobo's new SunBoost-ATB. This product is a unique blend of antioxidants, anti-irritant and anti-inflammatory agents. In this sunscreen, SunBoost-ATB increased the SPF from 40.9 to 54.8.

Notes

Active Ingredient(s)	
Homosalate	15.00%
Ethylhexyl Salicylate	10.00%
Butyl Methoxydibenzoylmethane	3.00%
Benzophenone-3	3.00%

SPF testing: in vivo on 3 subjects

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W/O Liquid Foundation with Natural Jojoba

Formula KLF-044A

Treatment

Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
1	12.00	SF1528	Cyclopentasiloxane (And) PEG/PPG-20/15 Dimethicone	Momentive/Kobo Products
	8.45	SF1202	Cyclopentasiloxane	Momentive/Kobo Products
	8.00	SILSOFT ETS	Ethyl Trisiloxane	Momentive/Kobo Products
	7.00	RBTD-671-NJE2	Titanium Dioxide (And) Jojoba Esters	Kobo Products
	3.00	KF-6017	PEG-10 Dimethicone	Shin Etsu
	2.50	Lexol® PG-865	Propylene Glycol Dicaprylate/Dicaprate	Inolex Chemical Company
	2.50	Salacos 99	Isononyl Isononanoate	Ikeda Corporation
	2.50	SS4230	Cyclopentasiloxane (And) Trimethylsiloxysilicate	Momentive/Kobo Products
	2.20	BYO-NJE3	Iron Oxides (C.I. 77492) (And) Jojoba Esters	Kobo Products
	2.00	LUCENTITE SAN-P	Quaternium-18 Hectorite	Kobo Products
0.75	SF1555	Bis-Phenylpropyl Dimethicone	Momentive/Kobo Products	
0.70	BRO-NJE2	Iron Oxides (C.I. 77491) (And) Jojoba Esters	Kobo Products	
0.25	BBO-NJE2	Iron Oxides (C.I. 77499) (And) Jojoba Esters	Kobo Products	
2	1.00	Ethyl Alcohol E1028	Ethyl Alcohol	VWR Scientific Products
3	37.50	Deionized Water	Water	
	3.50	Butylene Glycol	Butylene Glycol	Ruger Chemical Co., Inc.
	1.25	Glycerin U.S.P. Natural 96%	Glycerin	Univar USA Inc.
	1.00	Germaben® II	Propylene Glycol (And) Diazolidinyl Urea (And) Methylparaben (And) Propylparaben	ISP
	0.90	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
4	2.00	MSS-500W	Silica	Kobo Products
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Manufacturing Procedure

1. Homogenize all ingredients of Part 1 until fully dispersed.
2. Add Part 2 to the dispersed Part 1.
3. Add Part 3 to Parts 1 and 2 slowly with homogenizing at room temperature.
4. Add Part 4 to Parts 1, 2 and 3 slowly with homogenizing at room temperature.

Description

This elegant W/O liquid foundation features Kobo's natural Jojoba Ester Treatment. The Jojoba-Treated Pigments disperse easily, give slip and adhere to skin. MSS-500W helps impart an elegant feel in application and a soft focus effect. SF1555 helps to give a slip on application and couple the silicones to the esters. Silsoft ETS provides a quick dry time to help the foundation set. SS4230 helps the foundation to wear and SF1528 is an excellent W/O emulsifier.

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March, 2008

KOBO

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O/W Liquid Foundation with Natural Treatment

Formula KLF-045A

Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
1	55.80	Deionized Water	Water	
	3.00	Liposorb® S-20	Polysorbate 60	Lipo Chemicals
	2.00	Liponic® EG-1	Glycereth-26	Lipo Chemicals
	0.60	Uniphen P-23	Phenoxyethanol (And) Methylparaben (And) Butylparaben (And) Ethylparaben (And) Propylparaben	Induchem
	0.50	Veegum® HV	Magnesium Aluminum Silicate	R.T. Vanderbilt Company
2	12.40	Salacos 99	Isononyl Isononanoate	Ikeda Corporation
	10.86	RBTD-671-NJE2	Titanium Dioxide (And) Jojoba Esters	Kobo Products
	3.00	Liposorb® S	Sorbitan Stearate	Lipo Chemicals
	2.00	Ganex® V-216	VP/Hexadecane Copolymer	ISP
	1.50	ClO	Cetyl Ethylhexanoate	Barnet
	1.50	SF1550	Phenyl Trimethicone	Momentive/Kobo Products
	1.00	SF1288	PEG-12 Dimethicone	Momentive/Kobo Products
	1.00	Lipowax® D	Cetearyl Alcohol (And) Ceteareth-20	Lipo Chemicals
	0.54	BYO-NJE3	Iron Oxides (C.I. 77492) (And) Jojoba Esters	Kobo Products
	0.41	BRO-NJE2	Iron Oxides (C.I. 77491) (And) Jojoba Esters	Kobo Products
0.09	BBO-NJE2	Iron Oxides (C.I. 77499) (And) Jojoba Esters	Kobo Products	
3	2.50	Aculyn™ 44	PEG-150/Decyl Alcohol/SMDI Copolymer	Rohm & Haas
4	1.00	Deionized Water	Water	
	0.30	Germall® 115	Imidazolidinyl Urea	ISP

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Manufacturing Procedure

1. Heat Part 1 to 78°C.
2. Heat and stir Part 2 to 80°C.
3. Add Part 2 to Part 1 under homogenizer.
4. Add Part 3 to Parts 1 and 2 under homogenizer.
5. Mix for 15 minutes.
6. Switch to sweep.
7. Cool to 35° C and add Part 4.
8. Cool to 30° C.

Description

This elegant O/W liquid foundation features Kobo's natural Jojoba Ester Treatment. The Jojoba-Treated Pigments disperse easily, give slip, and adhere to skin. Momentive Silicones combined with Esters provide a smooth application to the skin.

Kobo Products, Inc.

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August, 2008

KOBO

www.koboproducts.com

Natural Appearing Foundation with Transparent Iron Oxides

Formula KLF-049B

Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
1	4.80	X-22-6711D	Dimethicone (And) PEG/PPG-18/18 Dimethicone	Shin-Etsu Chemical Co.
	2.50	SS4267	Dimethicone (And) Trimethylsiloxysilicate	Momentive/Kobo Products
	2.30	Lexol® PG-865	Propylene Glycol Dicaprylate/Dicaprate	Inolex Chemical Company
	2.00	Salacos 99	Isononyl Isononanoate	Ikeda Corporation
	1.00	Ethyl Alcohol E1028	Ethyl Alcohol	Warner Graham
	1.00	LUCENTITE SAN-P	Quaternium-18 Hectorite	Kobo Products
	0.75	SF1555	Bis-Phenylpropyl Dimethicone	Momentive/Kobo Products
	0.50	KF-6017	PEG-10 Dimethicone	Shin Etsu
2	16.60	Element14 PDMS 5	Dimethicone	Momentive/Kobo Products
	9.40	TNP40VTTS	C12-15 Alkyl Benzoate (And) Titanium Dioxide (And) Alumina (And) Polyhydroxystearic Acid (And) Isopropyl Titanium Triisostearate (And) Triethoxycaprylylsilane	Kobo Products
	4.05	TNP55TRY	Iron Oxides (C.I. 77492) (And) C12-15 Alkyl Benzoate (And) Triethoxycaprylylsilane (And) Polyhydroxystearic Acid	Kobo Products
	3.55	TNP55TRR	Iron Oxides (C.I. 77491) (And) C12-15 Alkyl Benzoate (And) Triethoxycaprylylsilane (And) Polyhydroxystearic Acid	Kobo Products
	2.10	SW65U	Synthetic Wax (And) Titanium Dioxide (And) Isopropyl Titanium Triisostearate	Kobo Products
	1.50	KF-6017	PEG-10 Dimethicone	Shin Etsu
	1.20	TNP80BNFSI	Iron Oxides (C.I. 77499) (And) C12-15 Alkyl Benzoate (And) Triethoxycaprylylsilane (And) Polyhydroxystearic Acid (And) Trihydroxystearin	Kobo Products
	3	37.50	Deionized Water	Water
2.00		Butylene Glycol	Butylene Glycol	Ruger Chemical
1.25		Glycerin U.S.P. Natural 96%	Glycerin	Univar USA 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
4		3.00	MSS-500W	Silica

100

Manufacturing Procedure

1. Homogenize all ingredients of Part 1 until fully dispersed. Homogenize at least 20 minutes at 3000 RPM.
2. Add Part 2 to dispersed Part 1 at room temperature. Homogenize for 15 minutes.
3. Slowly add Part 3 to dispersed Parts 1 and 2 at room temperature and homogenize until dispersed.
4. Add Part 4 with homogenization.

Description

This non-whitening SPF foundation contains Kobo's transparent Iron Oxide Dispersions, TNP55TRR and TNP55TRY, which have a high tint strength without coverage. Kobo's Pigmentary Dispersions, TNP80BNFSI (black iron oxide) and SW65U (Titanium Dioxide), help to give the shade and slight coverage. TNP40VTTS, Kobo's Attenuation Grade Dispersion, gives SPF protection. MSS-500W spherical silica gives slip during application and reduces shine on the skin. Lucentite SAN-P gives thickness to the formula. SF1555 and Element14 PDMS 5 give slip to the formula during application and SS4267 helps with wear.

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March, 2011

KOBO

www.koboproducts.com

Blemish Balm Crème with SPF

Formula KLF-054-CH

Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
1	5.00	Parsol® MCX	Ethylhexyl Methoxycinnamate	DSM Nutritional Products
	4.80	ABIL® WE 09	Polyglyceryl-4 Isostearate (And) Cetyl PEG/PPG-10/1 Dimethicone (And) Hexyl Laurate	Evonik
	1.75	Lexol® PG-865	Propylene Glycol Dicaprylate/Dicaprate	Inolex Chemical Company
	1.75	Salacos 99	Isononyl Isononanoate	Ikeda Corporation
	1.25	THIXIN® R	Trihydroxystearin	Elementis Specialties
	0.75	SF1555	Bis-Phenylpropyl Dimethicone	Momentive/Kobo Products
	0.05	Melscreen Coffee ORG	Coffea Arabica (Coffee) Seed Oil	Taos Inc.
2	18.00	TNP50T7	C12-15 Alkyl Benzoate (And) Titanium Dioxide (And) Alumina (And) Polyhydroxystearic Acid (And) Methicone	Kobo Products
	11.00	FAS70USI	Titanium Dioxide (And) Cyclopentasiloxane (And) PEG/PPG-18/18 Dimethicone (And) Triethoxycaprylsilane	Kobo Products
	5.25	Element14 PDMS 5	Dimethicone	Momentive/Kobo Products
	1.80	FAS50EYSI	Iron Oxides (C.I. 77492) (And) Cyclopentasiloxane (And) PEG/PPG-18/18 Dimethicone (And) Triethoxycaprylsilane	Kobo Products
	0.40	KF-6017	PEG-10 Dimethicone	Shin Etsu
	0.35	FAS55ERSI	Iron Oxides (C.I. 77491) (And) Cyclopentasiloxane (And) PEG/PPG-18/18 Dimethicone (And) Triethoxycaprylsilane	Kobo Products
	0.20	FAS60EBSI	Iron Oxides (C.I. 77499) (And) Cyclopentasiloxane (And) PEG/PPG-18/18 Dimethicone (And) Triethoxycaprylsilane	Kobo Products
3	37.95	Deionized Water	Water	
	2.00	Glycerin U.S.P. Natural 96%	Glycerin	Univar USA Inc.
	1.00	Sodium Chloride	Sodium Chloride	Morton Salt
	1.00	Germaben® II	Propylene Glycol (And) Diazolidinyl Urea (And) Methylparaben (And) Propylparaben	ISP
	1.00	Butylene Glycol	Butylene Glycol	Tri-K Industries
	0.50	Jecicide CAP-5	Phenoxyethanol (And) Caprylyl Glycol (And) Potassium Sorbate (And) Water (And) Hexylene Glycol	Jeen International
	0.40	Tween™ 20	Polysorbate 20	Croda
	0.10	Allantoin	Allantoin	Jeen International
	0.05	Bioskinup Contour	Water (And) Butylene Glycol (And) PEG-40 Hydrogenated Castor Oil (And) Ptychopetalum Olacoides Bark/Stem Extract (And) Pfaffia Paniculata Root Extract (And) Liliun Candidum Flower Extract	Taos Inc.
	0.05	IBR-CalmDeAge™ 1201	Glycerin (And) Water (And) Phoenix Dactylifera (Date) Seed Extract	Taos Inc.
	0.05	IBR-Snowflake® 1001	Water (And) Leucocjum Aestivum Blub Extract	Taos Inc.
	0.05	Activespheres VIT C PMg	Water (And) Butylene Glycol (And) Magnesium Ascorbyl Phosphate (And) Sodium Chondroitin Sulfate (And) Atelocollagen (And) Xanthum Gum (And) Polysorbate 20	Taos Inc.
4	3.00	MSS-500W	Silica	Kobo Products
5	0.25	Gs-PPY	Water (And) Papain (And) Palmitoyl Hydroxypropyltrimonium Amylopectin/Glycerin Crosspolymer (And) Phenoxyethanol (And) Hydrogenated Lecithin (And) Parabens	Kobo Products
	0.25	Gs-GT	Water (And) Camellia Sinensis Extract (And) Palmitoyl Hydroxypropyltrimonium Amylopectin/Glycerin Crosspolymer (And) Phenoxyethanol (And) Parabens (And) Hydrogenated Lecithin	Kobo Products

100

Manufacturing Procedure

1. Combine Part 1 and Part 5
2. Homogenize Parts 1 and 2 together.
3. Add Part 3 while homogenizing.
4. Add Part 4 while homogenizing.

Description

This cream foundation features Kobo's Titanium Dioxide Dispersion TNP50T7 to help achieve SPF. Kobo's FAS Pigmentary Dispersions provide excellent coverage and MSS-500W gives excellent application and soft focus. Glycospheres, Gs-GT and Gs-PPY aid in whitening, cell turnover and acne control. SF1555 and Element14 PDMS 5 give slip to the formula during application.

Notes

Active Ingredient(s)	
Ethylhexyl Methoxycinnamate	5.00%
Titanium Dioxide	6.93%

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KOBO

www.koboproducts.com

Natural Treated Mineral Powder with SPF

Formula KPW-007C

Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
1	73.20	GMS-NJE3	Mica (And) Jojoba Esters	Kobo Products
	15.00	TTO-NJE8	Titanium Dioxide (And) Alumina (And) Jojoba Esters	Kobo Products
	5.00	RBTD-671-NJE2	Titanium Dioxide (And) Jojoba Esters	Kobo Products
	5.00	BYO-NJE3	Iron Oxides (C.I. 77492) (And) Jojoba Esters	Kobo Products
	1.00	BRO-NJE2	Iron Oxides (C.I. 77491) (And) Jojoba Esters	Kobo Products
	0.60	BBO-NJE2	Iron Oxides (C.I. 77499) (And) Jojoba Esters	Kobo Products
	0.10	Propyl Paraben NF	Propylparaben	International Sourcing
	0.10	Methyl Paraben NF	Methylparaben	International Sourcing

100

Manufacturing Procedure

Pass premixed Part 1 through a micropulverizer or suitable equipment until color is fully extended.

Description

A Natural-Treated Mineral Powder that shows excellent color development, adhesion to skin, and even application due to Kobo's Natural Jojoba Ester Treatment.

Notes

Active Ingredient(s)	
Titanium Dioxide	11.51%

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July, 2008

KOBO

www.koboproducts.com

Wet / Dry Powder with Boron Nitride

Formula KPP-013C

Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
1	80.14	TALC U-11S2	Talc (And) Triethoxycaprylylsilane	Kobo Products
	7.00	BTD-11S2	Titanium Dioxide (And) Triethoxycaprylylsilane	Kobo Products
	5.00	BORONEIGE® 1501-DMC3	Boron Nitride (And) Hydrogen Dimethicone	ESK/Kobo Products
	1.55	BYO-11S2	Iron Oxides (C.I. 77492) (And) Triethoxycaprylylsilane	Kobo Products
	0.90	BRO-11S2	Iron Oxides (C.I. 77491) (And) Triethoxycaprylylsilane	Kobo Products
	0.20	BBO-11S2	Iron Oxides (C.I. 77499) (And) Triethoxycaprylylsilane	Kobo Products
	0.10	Propyl Paraben NF	Propylparaben	International Sourcing
	0.10	Methyl Paraben NF	Methylparaben	International Sourcing
2	1.67	SF96-20	Dimethicone	Momentive/Kobo Products
	1.67	Lexol® PG-865	Propylene Glycol Dicaprylate/Dicaprate	Inolex Chemical Company
	1.67	ELEMENT14 PDMS 350	Dimethicone	Momentive/Kobo Products

100

Manufacturing Procedure

1. Blend Part 1 through pulverizer until color is fully developed.
2. Add Part 2 and blend well.
3. Press at 250 psi.

Description

This powder foundation, that can be used wet or dry, contains BORONEIGE® 1501-DMC3 and Silane-treated Talc. The Silane-treated Talc and pigments give a creamy texture and adhere to the skin well. The Silane treatment resists water so the pigments maintain their true color throughout the day and resist water. BORONEIGE® 1501-DMC3 gives a unique creamy slip on application and adds a healthy glow to the appearance. SF96-20 and ELEMENT14 PDMS 350 give a creamy texture and are used as binders. This powder can be used dry or with a wet sponge for flawless application.

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February, 2008

KOBO

www.koboproducts.com

Natural Treated Powder with CELLULO

Formula KPP-041B

BEADS-D-10-PC2

Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
1	72.90	GMS-PC2	Mica (And) Hydrogenated Lecithin	Kobo Products
	10.00	CELLULO BEADS D-10-PC2	Cellulose (And) Hydrogenated Lecithin	Kobo Products
	7.00	RBTD-671-NJE2	Titanium Dioxide (And) Jojoba Esters	Kobo Products
	1.30	BYO-NJE3	Iron Oxides (C.I. 77492) (And) Jojoba Esters	Kobo Products
	0.80	BRO-NJE2	Iron Oxides (C.I. 77491) (And) Jojoba Esters	Kobo Products
	0.70	Lexgard® Natural	Glyceryl Caprylate (And) Glyceryl Undecylenate	Inolex Chemical Company
	0.30	BBO-NJE2	Iron Oxides (C.I. 77499) (And) Jojoba Esters	Kobo Products
2	5.00	Jojoba Oil	Simmondsia Chinensis (Jojoba) Seed Oil	Desert Whale
	2.00	Sunflower Oil HI Oleic	Sunflower (Helianthus Annus) Seed Oil	Brenntag Specialties

100

Manufacturing Procedure

1. Blend Part 1 until color is fully developed.
2. Add Part 2 and blend well.
3. Press at 700 psi.

Description

This powder contains Kobo's new PC-Treated Cellulo Beads and Filler, and NJE-Treated Pigments. The NJE Treatment gives even application and good adherence on the skin, contributing to long wear. The PC treatment gives great pressability and feel to the product. This Lecithin treatment is natural and imparts no odor in the finished formula. It allows for even application and good adherence on the skin.

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KOBO

www.koboproducts.com

Pressed Powder with Composite ACT-50

Formula KPP-047



Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
1	35.01	TALC N/MM3	Talc (And) Magnesium Myristate	Kobo Products
	26.24	GMS-I2	Mica (And) Isopropyl Titanium Triisostearate	Kobo Products
	25.00	COMPOSITE ACT-50	Titanium Dioxide (And) Acrylates Copolymer (And) Hydrated Silica (And) Algin (And) Aluminum Hydroxide	Kobo Products
	5.00	ZINC MYRISTATE	Zinc Myristate	Kobo Products
	1.80	BYO/MM3	Iron Oxides (C.I. 77492) (And) Magnesium Myristate	Kobo Products
	1.20	BRO/MM3	Iron Oxides (C.I. 77491) (And) Magnesium Myristate	Kobo Products
	0.55	BBO/MM3	Iron Oxides (C.I. 77499) (And) Magnesium Myristate	Kobo Products
	0.10	Propyl Paraben NF	Propylparaben	International Sourcing
	0.10	Methyl Paraben NF	Methylparaben	International Sourcing
	2	5.00	Jeescreen OMC	Ethylhexyl Methoxycinnamate
100				

Manufacturing Procedure

1. Micropulverize Part 1 until color is fully developed.
2. Add Part 2 to Part 1.
3. Blend well and micropulverize.
4. Press at 500 psi.

Description

This powder features Kobo's Composite ACT-50 which is a transparent, non-nano, entrapped Titanium Dioxide. It gives improved hydrophobicity to the formula, and enhanced skin feel during application. Kobo's Zinc Myristate, Treated pigments, Talc N/MM3 and GMS-I2 are used to give great feel and adherence on the skin.

Notes

Active Ingredient(s)	Percentage
Ethylhexyl Methoxycinnamate	5.00%
Titanium Dioxide	12.75%

SPF testing: in vivo on 3 subjects

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Pressed Powder with Composite ACT-50

Formula KPP-047A

Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
1	50.01	Talc Micro-Ace P-2	Talc	Presperse
	26.24	GMS-I2	Mica (And) Isopropyl Titanium Triisostearate	Kobo Products
	15.00	COMPOSITE ACT-50	Titanium Dioxide (And) Acrylates Copolymer (And) Hydrated Silica (And) Algin (And) Aluminum Hydroxide	Kobo Products
	1.80	BYO/MM3	Iron Oxides (C.I. 77492) (And) Magnesium Myristate	Kobo Products
	1.20	BRO/MM3	Iron Oxides (C.I. 77491) (And) Magnesium Myristate	Kobo Products
	0.55	BBO/MM3	Iron Oxides (C.I. 77499) (And) Magnesium Myristate	Kobo Products
	0.10	Propyl Paraben NF	Propylparaben	International Sourcing
	0.10	Methyl Paraben NF	Methylparaben	International Sourcing
2	5.00	Jeescreen OMC	Ethylhexyl Methoxycinnamate	Jeen International
100				

Manufacturing Procedure

1. Micropulverize Part 1 until color is fully developed.
2. Add Part 2 to Part 1.
3. Blend well and micropulverize.
4. Press at 500 psi.

Description

This powder features Kobo's Composite ACT-50 which is a transparent, non-nano, entrapped Titanium Dioxide. It gives improved hydrophobicity to the formula, and enhanced skin feel during application. Kobo's Treated pigments, Talc Micro-Ace P-2 and GMS-I2 are used to give great feel and adherence on the skin.

Notes

Active Ingredient(s)	
Ethylhexyl Methoxycinnamate	5.00%
Titanium Dioxide	8.00%

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August, 2011

KOBO

www.koboproducts.com

Long-Wear, Liquid Eye Liner Featuring

Formula **KEL-003**

W60BBNFAP & WSJ10CB

Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
1	29.50	Deionized Water	Water	
	1.00	Natrosol® 250 HHR	Hydroxyethylcellulose	Hercules-Aqualon
2	31.50	DAITOSOL 5000SJ	Acrylates/Ethylhexyl Acrylate Copolymer (And) Water	Daito/Kobo Products
3	25.00	W60BBNFAP	Iron Oxides (C.I. 77499) (And) Water (And) Ammonium Polyacrylate	Kobo Products
	10.00	WSJ10CB	Black 2 (And) PEG-40 Hydrogenated Castor Oil (And) Water (And) Acrylates/Ethylhexyl Acrylate Copolymer (And) Aminomethyl Propanol (And) Sodium Dehydroacetate (And) Sodium Acrylate/Sodium Acryloyldimethyl Taurate Copolymer (And) Laureth-21	Kobo Products
	1.00	Germaben® II	Propylene Glycol (And) Diazolidinyl Urea (And) Methylparaben (And) Propylparaben	ISP
4	2.00	TR-1	Nylon-6	Toray/Kobo Products
100				

Manufacturing Procedure

1. Heat water until almost boiling and add Natrosol® 250 HHR.
2. Allow Part 1 to cool while stirring to form a gel.
3. Add Part 2 to Part 1. Mix at 200 RPM for 10 minutes.
4. Neutralize using Triethanolamine.
5. Add Part 3. Mix at 300 RPM for 10 minutes.
6. Add Part 4 slowly while mixing.

Description

This long-wear, liquid eyeliner features Kobo's Carbon Black dispersion, WSJ10CB, along with Kobo's Pigmentary Dispersion, W60BBNFAP, which are used to create a deep, intense black color. Daitosol 5000SJ is used to produce a long-wearing film and provide water resistance. TR-1 is a Microsphere used to create build-up.

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www.koboproducts.com

Long Wear Eyeshadow with Koboguard® MQ75ETS

Formula KEY-021A

Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
1	20.80	SF1202	Cyclopentasiloxane	Momentive/Kobo Products
	7.35	Salacos 99	Isononyl Isononanoate	Ikeda Corporation
	3.50	ABIL® WE 09	Polyglyceryl-4 Isostearate (And) Cetyl PEG/PPG-10/1 Dimethicone (And) Hexyl Laurate	Evonik
	1.00	ZINC STEARATE	Zinc Stearate	Kobo Products
	1.00	LUCENTITE SAN-P	Quaternium-18 Hectorite	Kobo Products
2	4.00	Carnauba Wax SP 63P	Copernicia Cerifera (Carnauba) Wax	Strahl & Pitsch, Inc.
	0.10	Propylene Carbonate	Propylene Carbonate	Spectrum Chemical Mfg Corp.
3	35.00	Deionized Water	Water	
	0.75	Sodium Chloride	Sodium Chloride	Morton Salt
	0.50	Germaben® II	Propylene Glycol (And) Diazolidinyl Urea (And) Methylparaben (And) Propylparaben	ISP
4	7.50	KOBOGUARD® MQ75ETS	Trimethylsiloxysilicate (And) Ethyl Trisiloxane	Kobo Products
5	1.00	INBP40B1A	Blue 1 Lake (And) Isononyl Isononanoate (And) Isopropyl Myristate (And) Stearalkonium Hectorite (And) Isopropyl Titanium Triisostearate (And) Propylene Carbonate (And) Polyhydroxystearic Acid	Kobo Products
6	5.50	SP-10	Nylon-12	Toray/Kobo Products
	5.00	MSS-500W	Silica	Kobo Products
7	7.00	KTZ® SLATE-11S2	Titanium Dioxide (And) Mica (And) Iron Oxides (C.I. 77491) (And) Ferric Ferrocyanide (And) Triethoxycaprylylsilane	Kobo Products
100				

Manufacturing Procedure

Please note that materials are heated above their flash point. Explosion proof equipment must be used.

1. Combine Part 1 and homogenize until well dispersed.
2. Add Part 2 to Part 1 and heat until melted.
3. Heat Part 2 until melted.
4. Under homogenization add Part 3 to Parts 1 and 2.
5. Add Part 4 while homogenizing.
6. Add Part 5 while homogenizing.
7. Add Part 6 while homogenizing.
8. Stir in Part 7 slowly by hand until dispersed.

Description

This eyeshadow features Koboguard® MQ75ETS, which contributes to long wear and non-creasing properties. Silane Treated KTZ® Slate provides a teal color and pearlescent effect. LUCENTITE SAN-P gives gel to the system for stability. The INBP Pigmentary Dispersion gives high color impact, while MSS-500W and SP-10 are used for enhanced feel and soft focus effect.

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KOBO

www.koboproducts.com

High Impact Color Lipstick with Koboguard®

Formula KLP-024C

Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
1	17.80	Castor Oil	Ricinus Communis (Castor) Seed Oil	Alzo International Inc.
	15.00	INBP75ER	Iron Oxides (C.I. 77491) (And) Isononyl Isononanoate (And) Isopropyl Myristate (And) Stearalkonium Hectorite (And) Polyhydroxystearic Acid (And) Isopropyl Titanium Triisostearate (And) Propylene Carbonate	Kobo Products
	15.00	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
	12.00	Softisan® 645	Bis-Diglyceryl Polyaciladipate-1	Sasol
	11.00	Wickenol 155	Ethylhexyl Palmitate	Alzo International Inc.
	6.00	Candelilla Wax SP 75	Euphorbia Cerifera (Candelilla) Wax	Strahl & Pitsch, Inc.
	4.50	Ozokerite Wax White SP 1020	Ozokerite	Strahl & Pitsch, Inc.
	3.00	Lipowax® D	Cetearyl Alcohol (And) Ceteareth-20	Lipo Chemicals
	2.50	Shea Butter	Shea Butter	Cognis Corp.
	2.00	Microcrystalline Wax SP-89	Microcrystalline Wax	Strahl & Pitsch, Inc.
	1.00	MSS-500/3H	Silica	Kobo Products
	0.10	Propyl Paraben NF	Propylparaben	International Sourcing
	0.10	BHT Food Grade Crystal	BHT	Protameen
	2	5.00	KTZ® CLASSIC WHITE-I2	Mica (And) Titanium Dioxide (And) Isopropyl Titanium Triisostearate
5.00		KOBOGUARD® 5400 CCT	Hydrogenated Polycyclopentadiene (And) Caprylic/Capric Triglyceride	Kobo Products
100				

Manufacturing Procedure

1. In main tank equipped with propeller agitation, combine Part 1 ingredients and heat to 80°C - 85°C.
2. Continue mixing for 20 minutes and add Part 2.
3. Once shade is adjusted, begin force cooling batch. Continue cooling to 78°C - 80°C.
4. Pour into molds at 78°C - 80°C.

Description

This high impact color lipstick contains Kobo's Pigmentary Dispersions, INBP75ER and INBP45R7C, which are used for their high percentage of color. They also help to improve wear and formula aesthetics. KTZ® Classic White is treated with ITT for optimal glide and creates a shimmering, frosted effect. Kobo's Microsphere, MSS-500/3H, is used to achieve better application and helps to reduce sweating. Koboguard® 5400 CCT gives gloss to the formula and helps to provide long wear properties.

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August, 2010

KOBO

www.koboproducts.com

Non-Transfer Lipstick with Koboguard® HRPC

Formula KLP-033B

Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
1	25.00	KOBOGUARD® HRPC	Hydrogenated Polycyclopentadiene (And) Polyethylene (And) Copernicia Cerifera (Carnauba) Wax (And) Tocopherol	Kobo Products
	7.25	INBP75ER	Iron Oxides (C.I. 77491) (And) Isononyl Isononanoate (And) Isopropyl Myristate (And) Stearalkonium Hectorite (And) Polyhydroxystearic Acid (And) Isopropyl Titanium Triisostearate (And) Propylene Carbonate	Kobo Products
	7.00	Candelilla Wax SP 75	Euphorbia Cerifera (Candelilla) Wax	Strahl & Pitsch, Inc.
	5.00	SERICITE GMS-4C	Mica	Kobo Products
	4.50	Ozokerite Wax White SP 1020P	Ozokerite	Strahl & Pitsch, Inc.
	2.00	Microcrystalline Wax SP-89	Microcrystalline Wax	Strahl & Pitsch, Inc.
2	49.25	Permethyl 99AD	Isododecane	Presperse
	100			

Manufacturing Procedure

- *Use explosion-proof mixers and equipment during batching process*
1. Combine Part 1 and heat to 90°C. Mix well under propeller until color is fully dispersed.
 2. Cool to 80°C and add Part 2.
 3. Pour into molds.

Description

This lipstick contains Koboguard® HRPC, which gives non-transfer properties, aids in long wear, and provides a waterproof film. Kobo's Pigmentary Dispersion, INBP75ER provides fully developed color, and Sericite GMS-4C gives a glide-on application.

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September, 2010

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Cosmol Lipstick with Koboguard® HRPC

Formula KLP-040

Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
1	26.00	Cosmol 222	Diisostearyl Malate	Ikeda Corporation
	11.00	Nomcort HP-30	Hydrogenated Polydecene	Ikeda Corporation
	10.40	Salacos 816T	Ethylhexyl Palmitate	Ikeda Corporation
	10.00	T.I.O	Triethylhexanoin	Ikeda Corporation
	9.00	Cosmol 168ARV	Dipentaerythrityl Hexahydroxystearate/ Hexastearate/ Hexarosinate	Ikeda Corporation
	8.00	Candelilla Wax	Candelilla (Euphorbia Cerifera) Wax	Strahl & Pitsch, Inc.
	5.50	Paraffin Wax 150	Paraffin Wax	Strahl & Pitsch, Inc.
	3.00	Beeswax White SP 422P	Beeswax	Strahl & Pitsch, Inc.
	2.00	KOBOGUARD® HRPC	Hydrogenated Polycyclopentadiene (And) Polyethylene (And) Copernicia Cerifera (Carnauba) Wax (And) Tocopherol	Kobo Products
	2.00	Carnauba Wax	Copernicia Cerifera (Carnauba) Wax	Strahl & Pitsch, Inc.
0.10	Propyl Paraben NF	Propylparaben	International Sourcing	
2	5.00	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
	5.00	INBP70U	Titanium Dioxide (And) Isononyl Isononanoate (And) Isopropyl Myristate (And) Stearalkonium Hectorite (And) Isopropyl Titanium Triisostearate (And) Propylene Carbonate (And) Polyhydroxystearic Acid	Kobo Products
	1.00	INBP75ER	Iron Oxides (C.I. 77491) (And) Isononyl Isononanoate (And) Isopropyl Myristate (And) Stearalkonium Hectorite (And) Polyhydroxystearic Acid (And) Isopropyl Titanium Triisostearate (And) Propylene Carbonate	Kobo Products
	1.00	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
	0.25	INBP55EY	Iron Oxides (C.I. 77492) (And) Isononyl Isononanoate (And) Isopropyl Myristate (And) Stearalkonium Hectorite (And) Polyhydroxystearic Acid (And) Isopropyl Titanium Triisostearate (And) Propylene Carbonate	Kobo Products
	0.25	INBP40B1A	Blue 1 Lake (And) Isononyl Isononanoate (And) Isopropyl Myristate (And) Stearalkonium Hectorite (And) Isopropyl Titanium Triisostearate (And) Propylene Carbonate (And) Polyhydroxystearic Acid	Kobo Products
3	0.50	MSS-500/3H	Silica	Kobo Products

100

Manufacturing Procedure

1. In main tank equipped with propeller agitation, combine Part 1 ingredients and heat to 85°C.
2. Combine Part 2 ingredients and add to Part 1.
3. Add Part 3 to the mix.
4. Pour into molds.
5. Rapid cooling to 0°C.

Description

This creamy lipstick contains Koboguard® HRPC, which gives non-transfer properties, aids in long wear, and provides a waterproof film. Kobo's Microsphere, MSS-500/3H, is used to achieve better application and helps to reduce any sweating. Kobo's Pigmentary Dispersions, INBP75ER, INBP45R7C, INBP70U, INBP50Y5A, INBP40B1A and INBP55EY are used for the high percentage of color. They also help to improve wear and formula aesthetics.

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KOBO

www.koboproducts.com

High Shine Lip Gloss with CO15M5

Formula KLP-030B

Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
1	65.00	CO15M5	Ricinus Communis (Castor) Seed Oil (And) Silica	Kobo Products
	29.60	Castor Oil	Ricinus Communis (Castor) Seed Oil	Alzo International Inc.
	5.00	Ozokerite Wax White SP 1026P	Ozokerite	Strahl & Pitsch, Inc.
	0.30	KTZ® CLASSIC WHITE	Mica (And) Titanium Dioxide	Kobo Products
	0.10	SW40R7C	Synthetic Wax (And) Red 7 Lake (And) Isopropyl Titanium Trisostearate	Kobo Products

100

Manufacturing Procedure

1. Combine all ingredients and heat to 80°C.
2. Mix well until the wax is melted and color is fully dispersed.

Description

This formula includes CO15M5 to provide both excellent wear and super gloss. Kobo's Pigmentary Dispersion, SW40R7C, along with KTZ® Classic White, give an excellent color development.

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September, 2009

KOBO

www.koboproducts.com

Koboguard® Solvent Based Mascara

Formula KMA-017C

Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
1	33.70	Permethyl® 99A	Isododecane	Presperse
	4.00	LUCENTITE SAN-P	Quaternium-18 Hectorite	Kobo Products
	4.00	Ethanol 24,511-9	Ethyl Alcohol	Aldrich Chemical Co.
2	10.00	Beeswax White SP 422	Beeswax	Strahl & Pitsch, Inc.
	7.50	KOBOGUARD® 5400 IDD	Hydrogenated Polycyclopentadiene (And) Isododecane	Kobo Products
	1.00	Ivarlan 3001	Lanolin	Arch Chemicals, Inc
	1.00	Carnauba Wax SP 63P	Copernicia Cerifera (Carnauba) Wax	Strahl & Pitsch, Inc.
3	5.00	SP-10	Nylon-12	Toray/Kobo Products
4	30.00	PMLVP20CB	Isododecane (And) Isohexadecane (And) Black 2 (And) Lecithin (And) Polyhydroxystearic Acid (And) Ethylene/Propylene/Styrene Copolymer (And) Butylene/Ethylene/Styrene Copolymer	Kobo Products
	0.50	Phenoxyethanol	Phenoxyethanol	Clariant
	0.10	Propyl Paraben NF	Propylparaben	International Sourcing
	0.10	Methyl Paraben NF	Methylparaben	International Sourcing
5	3.00	Deionized Water	Water	
	0.10	Gemall® 115	Imidazolidinyl Urea	ISP
100				

Manufacturing Procedure

Use explosion-proof mixers and equipment during batching process

1. Homogenize Part 1.
2. Heat Part 1 to 75-80°C.
3. Add Part 2 to heated Part 1 and mix well.
4. Cool to 65°C, then add Part 3 and mix.
5. Cool to 50°C, then add Part 4 and mix.
6. Mix Part 5 in a separate container, then add and mix until 30°C.

Description

This thickening, waterproof mascara features Kobo's Carbon Black dispersion, PMLVP20CB, which gives a deep, intense black color. The dispersion eliminates the need for milling of Carbon Black (Black 2) and contributes to an ease in manufacturing. Lucentite SAN-P is a synthetic clay thickener that gels the solvents. Koboguard® 5400 IDD gives a waterproof film, while SP-10 helps the mascara glide on the lashes and adds volume.

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August, 2008

KOBO

www.koboproducts.com

Lengthening Mascara

Formula KMA-025

Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
1	8.00	Beeswax White SP 422	Beeswax	Strahl & Pitsch, Inc.
	7.00	Ozokerite Wax White SP 1020	Ozokerite	Strahl & Pitsch, Inc.
	3.00	Carnauba Wax SP 63	Copernicia Cerifera (Carnauba) Wax	Strahl & Pitsch, Inc.
	3.00	Dermofat 4919	Stearic Acid	Alzo International Inc.
	3.00	Microcrystalline Wax SP-89	Microcrystalline Wax	Strahl & Pitsch, Inc.
	2.00	KOBOGUARD® 5400 SQ	Hydrogenated Polycyclopentadiene (And) Squalane	Kobo Products
	1.00	Liposorb® SQO	Sorbitan Sesquileate	Lipo Chemicals
	0.10	Propyl Paraben NF	Propylparaben	International Sourcing
2	40.15	Deionized Water	Water	
	11.00	W60BBNFAP	Iron Oxides (C.I. 77499) (And) Water (And) Ammonium Polyacrylate	Kobo Products
	1.00	Triethanolamine 99	Triethanolamine	Dow Chemical
	0.30	Natrosol® 250 HHR	Hydroxyethylcellulose	Hercules-Aqualon
	0.20	Methyl Paraben NF	Methylparaben	International Sourcing
3	2.00	KNY-1.7	Nylon-6 (And) Silica (And) Titanium Dioxide	Kobo Products
	1.50	DSPCS-I2	Silica (And) Ethylene/Methacrylate Copolymer (And) Isopropyl Titanium Triisostearate	Kobo Products
	1.00	Deionized Water	Water	
	0.60	Jeecide CAP-5	Phenoxyethanol (And) Caprylyl Glycol (And) Potassium Sorbate (And) Water (And) Hexylene Glycol	Jeen International
	0.15	Gemall® 115	Imidazolidinyl Urea	ISP
4	15.00	WSJ22BNF	Water (And) Acrylates/Ethylhexyl Acrylate Copolymer (And) Iron Oxides (C.I. 77499) (And) Sodium Acrylate/Sodium Acryloyldimethyl Taurate Copolymer (And) Aminomethyl Propanol	Kobo Products

100

Manufacturing Procedure

1. Heat Part 1 to 80°C in auxiliary tank.
2. Heat Part 2 to 80°C in main tank.
3. Add Part 1 to Part 2 in main tank with propeller and sweep agitation at 80°C.
4. Cool to 50°C.
5. Add Part 3 ingredients at 50°C.
6. Add Part 4 at 45°C.
7. Cool to 25°C - 27°C.

Description

This lengthening mascara features Kobo's Nylon Fibers, KNY-1.7, which give a lengthening effect while Kobo's Microsphere Complex, DSPCS-I2, is lightweight and provides volume to the lash without weight. It also contributes to ease in manufacturing. Kobo's Resin Composite, Koboguard® 5400 SQ, gives a quick build up with a water-resistant film and aids in long wear. Kobo's Pigmentary Dispersions, W60BBNFAP and WSJ22BNF, are used in combination to provide a deep black shade and film-forming properties.

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KOBO

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Anti-Dandruff Shampoo

Formula KCL-007

Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
1	24.00	Standapol® ES-2	Sodium Laureth Sulfate	Cognis Corp.
	18.15	Deionized Water	Water	
	10.00	Standapol® A	Ammonium Lauryl Sulfate	Cognis Corp.
	10.00	Carbopol® Aqua SF-1 Polymer	Acrylates Copolymer	Lubrizol, Inc.
	2.30	Triethanolamine	Triethanolamine	BASF
2	27.00	Deionized Water	Water	
	3.00	Velvetex BK-35	Cocamidapropyl Betaine	Cognis Corp.
3	1.40	Deionized Water	Water	
	0.20	Germall® 115	Imidazolidinyl Urea	ISP
	0.10	Disodium EDTA	Disodium EDTA	Dow Chemical
	0.05	Kathon™ CG Preservative	Methylchloroisothiazolinone (And) Methylisothiazolinone	Rohm & Haas
4	2.50	W50ZPT-UF	Zinc Pyrithione (And) Water (And) Sodium Polynaphthalenesulfonate	Kobo Products
	1.00	SME253	Amodimethicone (And) C11-15 Pareth-7 (And) Laureth-9 (And) Glycerin (And) Trideceth-12	Momentive/Kobo Products
	0.20	Glydant	DMDM Hydantoin	Lonza
	0.10	FD&C Blue 1 (1% aqueous solution)	FD&C Blue No. 1	LCW A Sensient Co.
	100			

Manufacturing Procedure

1. Disperse Carbopol® Aqua SF-1 Polymer to water. Add Standapol® ES-2 and Standapol® A in order with gentle mixing.
2. Neutralize to pH 8 with TEA.
3. Premix Part 2 and add to Part 1 with gentle mixing.
4. Premix and dissolve Part 3, then add Part 3 to Parts 1 and 2 with gentle mixing.
5. Add Part 4 to the main batch with gentle mixing.

Description

This shampoo is a rinse off product used to prevent dandruff. W50ZPT-UF contains antibacterial Zinc Pyrithione, an ingredient with broad spectrum anti-bacterial and anti-fungal properties. It also contains Momentive's Silicone, SME253, which helps to provide enhanced smoothness, softness and manageability.

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February, 2011

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Formulations

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