

# FORMULARY

*in-cosmetics Asia 2016*

**KOBO**

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# O/W Natural Sunscreen with JOP80MZCJ & EMP50TEL

## Formula KSL-250A

**in vivo SPF 34  
in vivo UVA-PF 12  
CW 381  
(see data below)**

Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
<b>1</b>	51.65	Deionized Water	Water	
	2.15	Sucrose Stearate C-1816	Sucrose Stearate	Lonza Inc.
	1.00	Geogard™ Ultra™	Gluconolactone (And) Sodium Benzoate	Lonza Inc.
	1.00	ESP Organic Evaporated Cane Juice Sugar	Sucrose	Earth Supplied Products, LLC
	1.00	Di-Sodium Tetraborate Decahydrate	Sodium Borate	EMD Chemicals Inc.
<b>2</b>	7.00	Glycerin U.S.P. Natural 96%	Glycerin	Ruger Chemical
	0.65	KELTROL® CG	Xanthan Gum	CP Kelco
<b>3</b>	15.00	<b>JOP80MZCJ</b>	Zinc Oxide (And) Simmondsia Chinensis (Jojoba) Seed Oil (And) Polyhydroxystearic Acid (And) Jojoba Esters	<b>Kobo Products</b>
	8.40	Sunflower Oil High Oleic	Sunflower (Helianthus Annus) Seed Oil	Brenntag Specialties
	5.00	<b>EMP50TEL</b>	Titanium Dioxide (And) Ethyl Macadamiate (And) Silica (And) Alumina (And) Stearic Acid (And) Polyhydroxystearic Acid	<b>Kobo Products</b>
	2.00	<b>SunBoost ATB™ Natural</b>	Argania Spinosa Kernel Oil (And) Tocopheryl Acetate (And) Bisabolol	<b>Kobo Products</b>
	2.00	Dermofat 4919	Stearic Acid	Alzo International
	1.15	Polyaldo™ HGDS KFG (6-2-S)	Polyglyceryl-6 Distearate	Lonza Inc.
<b>4</b>	2.00	<b>MSS-500W</b>	Silica	<b>Kobo Products</b>

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### Manufacturing Procedure

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

### Description

This O/W sunscreen contains all natural materials and offers a high SPF. It contains Kobo's non-nano natural sunscreen dispersions; EMP50TEL and JOP80MZCJ. SunBoost ATB™ Natural, a proprietary ratio of anti-oxidants, anti-irritant and anti-inflammatory agents, helps boost SPF and PFA. MSS-500W spherical silica contributes to slip during application and reduces shine on the skin.

### Notes

Active Ingredient(s)	
Titanium Dioxide	2.20%
Zinc Oxide	11.64%

SPF testing: in vivo on 3 subjects

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December, 2013

**KOBO**

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# W/O Sunscreen Milk

## Formula KSL-269A

**in vivo SPF 71  
in vivo UVA-PF 26  
CW 370  
(see data below)**

Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
<b>1</b>	35.00	CM3K50XZ4	Zinc Oxide (And) Cyclopentasiloxane (And) PEG-10 Dimethicone (And) Methicone	Kobo Products
	30.00	CM3K40T4	Cyclopentasiloxane (And) Titanium Dioxide (And) PEG-10 Dimethicone (And) Alumina (And) Hydrogen Dimethicone	Kobo Products
	11.50	Permethyl 99A	Isododecane	Presperse
	3.00	BPD-500	HDI/Trimethylol Hexyllactone Crosspolymer (And) Silica	Kobo Products
	2.00	KSP-102	Vinyl Dimethicone/Methicone Silsesquioxane Crosspolymer	Shin Etsu
	1.00	Lipo Polyglycol® 400	PEG-8	Vantage
	0.50	Wickenol 155	Ethylhexyl Palmitate	Alzo International Inc.
<b>2</b>	1.50	SR1000	Trimethylsiloxysilicate	Momentive
	1.50	Permethyl 99A	Isododecane	Presperse
<b>3</b>	7.75	Deionized Water	Water	
	5.00	Glycerin U.S.P. Natural 96%	Glycerin	Ruger Chemical
	1.00	Germaben® II	Propylene Glycol (And) Diazolidinyl Urea (And) Methylparaben (And) Propylparaben	ISP
	0.20	Sodium Citrate	Sodium Citrate	DSM Nutritional Products
	0.05	EDTA-3Na	Trisodium EDTA	DSM Nutritional Products
100				

<p><b>Manufacturing Procedure</b></p> <ol style="list-style-type: none"> <li>Dissolve and disperse each Part uniformly.</li> <li>Combine Part 2 with propeller mixing for 1 hour until homogenous.</li> <li>While mixing Part 1 with homogenizer at 2500rpm add Part 2 to Part 1 gradually.</li> <li>Combine Part 3 until homogenous.</li> <li>Slowly add Part 3 to Parts 1 and 2 at 4000rpm for 5 minutes with homogenizer.</li> </ol>	<p><b>Description</b></p> <p>A very thin 'milk' type sunscreen with high SPF and UVA that glides effortlessly onto the skin. CM3K40T4 is a low-whitening TiO2 dispersion that allows the formula to attain a high SPF. ZnO dispersion, CM3K50XZ4 improves UVA to yield a UV Balanced formula with minimal whitening. Kobo Microsphere, BPD-500, is a microsphere that gives soft focus and enhanced feel.</p>						
	<p><b>Notes</b></p> <table border="0" style="width: 100%;"> <tr> <td>Active Ingredient(s)</td> <td style="text-align: right;">8.70%</td> </tr> <tr> <td>    Titanium Dioxide</td> <td style="text-align: right;">16.10%</td> </tr> <tr> <td>    Zinc Oxide</td> <td></td> </tr> </table> <p>SPF testing: in vivo on 3 subjects</p>	Active Ingredient(s)	8.70%	Titanium Dioxide	16.10%	Zinc Oxide	
Active Ingredient(s)	8.70%						
Titanium Dioxide	16.10%						
Zinc Oxide							

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March, 2016

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# O/W Sunscreen with TNSS75MZCM

Formula KSL-271

**in vivo SPF 66**  
**in vivo UVA-PF 21**  
**CW 380**  
**(see data below)**

Kobo Products - formulations

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

100

### Manufacturing Procedure

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

### Description

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

### Notes

Active Ingredient(s)	
Titanium Dioxide	3.54%
Zinc Oxide	7.15%

SPF testing: in vivo on 3 subjects

**Kobo Products, Inc.**

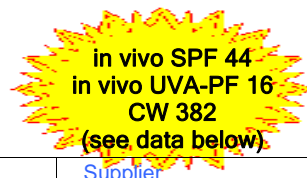
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# O/W Sunscreen with TNSS75MZCM (no additional boosters)

## Formula KSL-271A



Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
1	53.70	Deionized Water	Water	
2	1.00	Liposorb® L-20	Polysorbate 20	Vantage
	0.20	Methyl Paraben NF	Methylparaben	International Sourcing
3	4.00	Glycerin U.S.P. Natural 96%	Glycerin	Cognis Corp.
	0.20	KELTROL® CG	Xanthan Gum	CP Kelco
4	23.15	Dermol 25B	C12-15 Alkyl Benzoate	Alzo International Inc.
	9.80	TNSS75MZCM	Zinc Oxide (And) Ethylhexyl Methoxycrylene (And) C12-15 Alkyl Benzoate (And) Polyhydroxystearic Acid (And) Hydrogen Dimethicone	Kobo Products
	2.45	Lipopeg® 100-S	PEG-100 Stearate	Vantage
	1.00	Lipo® GMS 450	Glyceryl Stearate	Vantage
	0.40	Shea Butter	Shea Butter	Cognis Corp.
	0.10	Propyl Paraben NF	Propylparaben	International Sourcing
5	3.00	MSS-500W	Silica	Kobo Products
	1.00	Sepigel™ 305	Polyacrylamide (And) C13-14 Isoparaffin (And) Laureth-7	ChemUnion/SEPPIC

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### Manufacturing Procedure

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

### Description

This O/W sunscreen features TNSS75MZCM, Kobo's Non-Nano Zinc Oxide dispersion, that contains Ethylhexyl Methoxycrylene to effectively increase SPF, UVA-PF and provide broad spectrum protection. Kobo's spherical silica microsphere, MSS-500W, gives slip during application and reduces shine on the skin.

### Notes

Active Ingredient(s)	7.15%
Zinc Oxide	
SPF testing: in vivo on 3 subjects	

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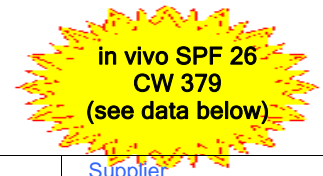
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August, 2015



# Dry Touch Sunscreen

## Formula KSL-285A



Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
<b>1</b>	27.32	CSV-3000	Cyclopentasiloxane	NuSil/Kobo Products
	9.90	TNP50T7-ATB	C12-15 Alkyl Benzoate (And) Titanium Dioxide (And) Argania Spinosa Kernel Oil (And) Alumina (And) Hydrogen Dimethicone (And) Tocopheryl Acetate (And) Polyhydroxystearic Acid (And) Bisabolol	Kobo Products
	3.60	KF-6040	Cyclopentasiloxane (And) PEG/PPG-18/18 Dimethicone	Shin Etsu
	3.58	TNP65MZS	Zinc Oxide (And) C12-15 Alkyl Benzoate (And) Polyhydroxystearic Acid (And) Triethoxycaprylylsilane	Kobo Products
	2.00	Abil® EM 90	Cetyl PEG/PPG-10/1 Dimethicone	Evonik
	2.00	CPF-3300@20cSt	Phenyl Trimethicone	NuSil/Kobo Products
	2.00	CARESS® BN09	Boron Nitride	Bent Tree/Kobo Products
	0.75	SF1528	Cyclopentasiloxane (And) PEG/PPG-20/15 Dimethicone	Momentive
	0.70	CXG-1101	Cyclopentasiloxane (And) Dimethicone/Vinyl Dimethicone Crosspolymer	NuSil/Kobo Products
	0.50	FLORITE R	Calcium Silicate	Tomita/Kobo Products
0.10	Propyl Paraben NF	Propylparaben	International Sourcing	
<b>2</b>	29.35	Deionized Water	Water	
	2.30	Butylene Glycol	Butylene Glycol	Ruger Chemical
	2.30	CELLULOBEADS D-5	Cellulose	Daito/Kobo Products
	2.00	COMPOSITE ACZ-50	Zinc Oxide (And) Acrylates Copolymer (And) Kaolin (And) Sodium Polyacrylate	Kobo Products
	1.50	Glycerin U.S.P. Natural 96%	Glycerin	Ruger Chemical
	1.00	COMPOSITE ACT-50	Titanium Dioxide (And) Acrylates Copolymer (And) Hydrated Silica (And) Algin (And) Aluminum Hydroxide	Kobo Products
	0.75	Sodium Chloride	Sodium Chloride	Morton Salt
	0.60	Magnesium Sulfate	Magnesium Sulfate	Mallinckrodt
	0.30	Liposorb® L-20	Polysorbate 20	Vantage
	0.15	Phenoxyethanol	Phenoxyethanol	Clariant
	0.10	Trisodium EDTA	Trisodium EDTA	Prolameen
0.10	Methyl Paraben NF	Methylparaben	International Sourcing	
0.10	ALLANTOIN	Allantoin	ISP	
<b>3</b>	3.50	SP-10	Nylon-12	Toray/Kobo Products
	3.50	BPD-500W	HDI/Trimethylol Hexyllactone Crosspolymer (And) Silica	Kobo Products
100				

<u>Manufacturing Procedure</u>	<u>Description</u>						
<ol style="list-style-type: none"> <li>Combine Part 1 and Homogenize.</li> <li>Combine Part 2 and Homogenize.</li> <li>Slowly add Part 2 to Part 1 until fully dispersed – continue homogenizing.</li> <li>Slowly add Part 3 to batch – homogenizing.</li> </ol>	<p>This Dry Touch Sunscreen features Kobo TNP50T7-ATB, an optimized mixture of a TiO<sub>2</sub> sunscreen dispersion with Kobo's SunBoost ATB™, a proprietary blend of antioxidants, anti-irritant and anti-inflammatory agents. CPF-3300@20cSt is a phenyl trimethicone that provides shine, increases spreadability, and helps improve the feel of the formula. CXG-1101 imparts a creamy, gel texture to the product. Kobo's Zinc Oxide Dispersion, TNP65MZS helps achieve SPF. CARESS® BN09, Boron Nitride gives superior softness and tactility, superb spreadability, excellent adherence, long lasting effect and good coverage. Florite R (Calcium Silicate 20 -30 µm), is a high oil-absorbing powder. Cellulobeads D-5 improve the feel of the formula due to their spherical shape. Kobo's Composite ACZ-50 contains entrapped ZnO inside a micron size acrylates copolymer matrix. It provides UVA protection with even coverage. Kobo's Composite ACT-50 is a powder containing dispersed attenuation grade TiO<sub>2</sub> entrapped within a micron</p>						
	<p><b>Notes</b></p> <table border="0" style="width: 100%;"> <tr> <td>Active Ingredient(s)</td> <td style="text-align: right;">4.60%</td> </tr> <tr> <td style="padding-left: 20px;">Titanium Dioxide</td> <td style="text-align: right;">2.21%</td> </tr> <tr> <td style="padding-left: 20px;">Zinc Oxide</td> <td></td> </tr> </table> <p>SPF testing: in vivo on 3 subjects</p>	Active Ingredient(s)	4.60%	Titanium Dioxide	2.21%	Zinc Oxide	
Active Ingredient(s)	4.60%						
Titanium Dioxide	2.21%						
Zinc Oxide							

**Kobo Products, Inc.**

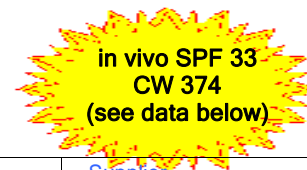
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www.koboproducts.com

# Sunscreen Gel with ZnO and SunBoost ATB™

Formula KSL-312



Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
<b>1</b>	25.50	TNP50ZSI	C12-15 Alkyl Benzoate (And) Zinc Oxide (And) Polyhydroxystearic Acid (And) Triethoxycaprylylsilane	Kobo Products
	17.10	TNP65FZS	Zinc Oxide (And) C12-15 Alkyl Benzoate (And) Triethoxycaprylylsilane (And) Polyhydroxystearic Acid	Kobo Products
	5.00	SunBoost ATB™	Argania Spinosa Kernel Oil (And) Tocopheryl Acetate (And) Bisabolol	Kobo Products
	3.00	SS4267	Dimethicone (And) Trimethylsiloxysilicate	Momentive
<b>2</b>	33.20	Deionized Water	Water	
	5.00	Nikkomulse LH	Glycerin (And) Hydrogenated Lecithin (And) Hydroxypropyl Methylcellulose Searoxy Ether (And) Squalane (And) Sodium Methyl Stearoyl Taurate	Nikko Chemicals
	0.10	Disodium EDTA	Disodium EDTA	Dow Chemical
<b>3</b>	1.00	Glycerin U.S.P. Natural 96%	Glycerin	Ruger Chemical
	0.10	Keltrol® CG	Xanthan Gum	CP Kelco
<b>4</b>	2.00	SACRAN-05BG	Aphanothece Sacrum Polysaccharide (And) Butylene Glycol (And) Water	Daito/Kobo Products
<b>5</b>	1.00	Germaben® II	Propylene Glycol (And) Diazolidinyl Urea (And) Methylparaben (And) Propylparaben	ISP
<b>6</b>	5.00	Ethyl Alcohol E1028	Ethyl Alcohol	VWR Scientific Products
<b>7</b>	2.00	MSS-500W	Silica	Kobo Products
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**Manufacturing Procedure**

- Heat Part 1 to 80°C.
- Make a slurry of Part 3 and add to Part 2 while mixing. Heat Part 2 and 3 to 80°C.
- Add Part 1 to Parts 2 and 3 while homogenizing.
- Add Parts 4 and 5 after cooling. Continue to homogenize.
- Add Parts 5, 6, and 7 while homogenizing.

**Description**

This gel sunscreen uses a combination of Kobo's Zinc Oxide dispersions, TNP65FZS and TNP50ZSI, to provide maximum protection against ultraviolet light. It also includes SunBoost ATB™, which is a proprietary blend of antioxidant, anti-irritant and anti-inflammatory agents that can boost SPF and UVA protection. SACRAN-05BG is a water soluble polysaccharide that has water-retaining properties as well as regenerating and moisturizing properties. MSS-500W is a silica microsphere responsible for enhanced feel.

**Notes**

Active Ingredient(s)  
Zinc Oxide 22.70%

SPF testing: in vivo on 3 subjects

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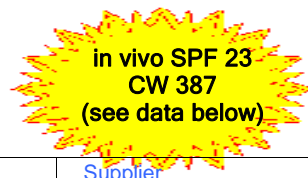
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# Cushioned Liquid Foundation

## Formula KLF-105A



Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
1	45.88	CSF-3100@20cSt	Dimethicone	NuSil/Kobo Products
	18.00	TNP50T7-ATB	C12-15 Alkyl Benzoate (And) Titanium Dioxide (And) Argania Spinosa Kernel Oil (And) Alumina (And) Hydrogen Dimethicone (And) Tocopheryl Acetate (And) Polyhydroxystearic Acid (And) Bisabolol	Kobo Products
	11.85	FAS65UTB	Titanium Dioxide (And) Cyclopentasiloxane (And) PEG/PPG-18/18 Dimethicone (And) Isopropyl Titanium Triisostearate (And) Triethoxysilylethyl Polydimethylsiloxyethyl Dimethicone (And) Disteardimonium Hectorite (And) Tocopheryl Acetate	Kobo Products
	3.50	CPF-3300@20cSt	Phenyl Trimethicone	NuSil/Kobo Products
	1.80	FAS50YTB	Iron Oxides (C.I. 77492) (And) Cyclopentasiloxane (And) PEG/PPG-18/18 Dimethicone (And) Isopropyl Titanium Triisostearate (And) Triethoxysilylethyl Polydimethylsiloxyethyl Dimethicone (And) Disteardimonium Hectorite (And) Tocopheryl Acetate	Kobo Products
	0.30	FAS65RTB	Iron Oxides (C.I. 77491) (And) Cyclopentasiloxane (And) PEG/PPG-18/18 Dimethicone (And) Isopropyl Titanium Triisostearate (And) Triethoxysilylethyl Polydimethylsiloxyethyl Dimethicone (And) Disteardimonium Hectorite (And) Tocopheryl Acetate	Kobo Products
	0.17	FAS70BTB	Iron Oxides (C.I. 77499) (And) Cyclopentasiloxane (And) PEG/PPG-18/18 Dimethicone (And) Isopropyl Titanium Triisostearate (And) Triethoxysilylethyl Polydimethylsiloxyethyl Dimethicone (And) Disteardimonium Hectorite (And) Tocopheryl Acetate	Kobo Products
	0.10	Propyl Paraben NF	Propylparaben	International Sourcing
2	12.00	Deionized Water	Water	
	2.00	Butylene Glycol	Butylene Glycol	Ruger Chemical
	0.65	Sodium Chloride	Sodium Chloride	Morton Salt
	0.40	Liposorb® L-20	Polysorbate 20	Vantage
	0.15	Methyl Paraben NF	Methylparaben	International Sourcing
	0.10	Trisodium EDTA	Trisodium EDTA	Protameen
	0.10	Allantoin	Allantoin	RITA Corp.
3	3.00	MSS-500W	Silica	Kobo Products

100

### Manufacturing Procedure

- In main beaker add Part 1 and homogenize all ingredients until fully dispersed and color has developed.
- In side beaker, add Part 2 and mix ingredients until homogenous.
- Add Part 2 to Part 1 under Silverson.
- Add Part 3 to combined Parts 1 and 2.

### Description

This liquid foundation features Kobo's Titanium Dioxide Dispersion TNP50T7-ATB, an optimized mixture of a TiO2 sunscreen dispersion with Kobo's SunBoost ATB™, that is a proprietary blend of antioxidants, anti-irritant and anti-inflammatory agents. Kobo's FAS/TTB Pigmentary Dispersions aid in providing good color development. The FAS dispersions showcase the versatility of TTB treated pigments in the dispersions which perform well here in a silicone phase. MSS-500W gives excellent application and soft focus. Silicones, CPF-3300@20cSt and CSF-3100@20cSt, both increase the spreadability and provide improved feel.

### Notes

Active Ingredient(s)  
Titanium Dioxide 6.84%

SPF testing: in vivo on 3 subjects

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# Foundation with PT1BM Dispersions

## Formula KLF-175A

Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
1	18.88	CSV-3000	Cyclopentasiloxane	Nusil/Kobo Products
	18.00	TNP50T7-ATB	C12-15 Alkyl Benzoate (And) Titanium Dioxide (And) Argania Spinosa Kernel Oil (And) Alumina (And) Hydrogen Dimethicone (And) Tocopheryl Acetate (And) Polyhydroxystearic Acid (And) Bisabolol	Kobo Products
	11.85	PT1BM70U	Titanium Dioxide (And) Phenyl Trimethicone (And) Distearidimonium Hectorite (And) Isopropyl Titanium Triisostearate (And) 1,2-Hexanediol (And) Caprylyl Glycol (And) Silica	Kobo Products
	4.76	CSS-7300	Cyclopentasiloxane (And) PEG/PPG-18/18 Dimethicone	Nusil/Kobo Products
	3.50	CPF-3300@10cSt	Phenyl Trimethicone	Nusil/Kobo Products
	1.80	PT1BM40Y	Phenyl Trimethicone (And) Iron Oxides (C.I. 77492) (And) Silica (And) Distearidimonium Hectorite (And) Isopropyl Titanium Triisostearate (And) 1,2-Hexanediol (And) Caprylyl Glycol	Kobo Products
	0.30	PT1BM70R	Iron Oxides (C.I. 77491) (And) Phenyl Trimethicone (And) Distearidimonium Hectorite (And) Isopropyl Titanium Triisostearate (And) Silica (And) 1,2-Hexanediol (And) Caprylyl Glycol	Kobo Products
	0.17	PT1BM60B	Iron Oxides (C.I. 77499) (And) Phenyl Trimethicone (And) Distearidimonium Hectorite (And) Isopropyl Titanium Triisostearate (And) Silica (And) 1,2-Hexanediol (And) Caprylyl Glycol	Kobo Products
	0.10	Propyl Paraben NF	Propylparaben	International Sourcing
	2	32.24	Deionized Water	Water
4.00		Butylene Glycol	Butylene Glycol	Ruger Chemical
0.65		Sodium Chloride	Sodium Chloride	Morton Salt
0.40		Polysorbate 20	Polysorbate 20	Rita Corp.
0.15		Methyl Paraben NF	Methylparaben	International Sourcing
0.10		Trisodium EDTA	Trisodium EDTA	Protameen
0.10		Allantoin	Allantoin	RITA Corp.
3		3.00	MSS-500W	Silica

100

### Manufacturing Procedure

1. Homogenize all ingredients of Part 1 until fully uniform.
2. Add Part 2 fully mixed to the dispersed Part 1 using a homogenizer at 3000-3500 rpm.
3. Add Part 3 to Parts 1 and 2 slowly under homogenization at 3000 rpm.

### Description

This liquid foundation features Kobo's New PT1BM dispersions. These dispersions are easy to use in a W/Si system offering good spreadability and a silky feel upon application. Titanium Dioxide Dispersion, TNP50T7-ATB, an optimized mixture of a TiO2 sunscreen dispersion with Kobo's Sunboost ATB™, that is a proprietary blend of antioxidant, anti-irritant, and anti-inflammatory agents contributes to UVA/UVB protection. Silica microsphere, MSS-500W, offers an elegant feel upon application and provides a soft focus effect. Nusil's Phenyl Trimethicone, CPF-3300@10cSt, is a silicone fluid that can improve spreadability and the formula's feel upon application. CSS-7300 is a W/Si emulsifier responsible for the stable emulsion structure while providing good spreadability.

### Notes

Active Ingredient(s)  
Titanium Dioxide 6.93%

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# KoboGel D5 Mousse Foundation

## Formula KLF-180

Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
1	49.55	CXG-1103	Cyclopentasiloxane (And) Cyclohexasiloxane (And) Dimethicone/Vinyl Dimethicone Crosspolymer	NuSil/Kobo Products
2	49.55	KoboGel D5 Medium	Cyclopentasiloxane (And) Titanium Dioxide (And) Cyclohexasiloxane (And) Iron Oxides (C.I. 77492) (And) Iron Oxides (C.I. 77491) (And) PEG/Ppg-18/18 Dimethicone (And) Iron Oxides (C.I. 77499) (And) Dimethicone/Vinyl Dimethicone Crosspolymer (And) Distearidimonium Hectorite (And) Tocopheryl Acetate (And) Isopropyl Titanium Triisostearate (And) Triethoxysilylethyl Polydimethylsiloxyethyl Dimethicone	Kobo Products
3	0.90	Euxyl® PE 9010	Phenoxyethanol (And) Ethylhexylglycerin	Schulke & Mayr

100

### Manufacturing Procedure

1. Add Part 1 into the main beaker equipped with a T-blade (sweep).
2. Add Part 2 to Part 1 using the T-blade at 200 rpms. Mix until uniform for approximately 5 minutes.
3. Add Part 3 to Parts 1 and 2 and mix for 5 minutes at 200 rpms.

### Description

KoboGel D5 composites are available to match skin tone shades for easy color additions to formulations. The KoboGel D5 composite dispersion imparts soft focus and aids in long wear. Further contributing to the mousse texture is CXG-1103, a high purity elastomer gel.

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# KoboGel D5 Serum Foundation

## Formula KLF-181

Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
1	51.20	KoboGel D5 Medium	Cyclopentasiloxane (And) Titanium Dioxide (And) Cyclohexasiloxane (And) Iron Oxides (C.I. 77492) (And) Iron Oxides (C.I. 77491) (And) PEG/Ppg-18/18 Dimethicone (And) Iron Oxides (C.I. 77499) (And) Dimethicone/Vinyl Dimethicone Crosspolymer (And) Disteardimonium Hectorite (And) Tocopheryl Acetate (And) Isopropyl Titanium Triisostearate (And) Triethoxysilylethyl Polydimethylsiloxyethyl Dimethicone	Kobo Products
2	24.00	Protachem CTG	Caprylic/Capric Triglyceride	Protameen Chemicals
	0.90	Euxyl® PE 9010	Phenoxyethanol (And) Ethylhexylglycerin	Schulke & Mayr
3	12.00	GMS-TTB4	Mica (And) Isopropyl Titanium Triisostearate (And) Triethoxysilylethyl Polydimethylsiloxyethyl Dimethicone	Kobo Products
	11.00	MSP-TK04	Polymethylsilsesquioxane (And) Titanium Dioxide	Nikko Rica/Kobo Products
	0.90	CARESS® BN06	Boron Nitride	Bent Tree/Kobo Products
100				

### Manufacturing Procedure

1. Add Part 1 into Main Beaker.
2. Pre-mix Part 2 and 3 using a propeller blade. Mix until uniform.
3. Add Parts 2 and 3 to Part 1 using a T-blade at 350 rpms. Mix until uniform.

### Description

KoboGel D5 composites are available to match skin tone shades for easy color additions to formulations. The KoboGel D5 composite dispersion imparts soft focus and aids in long wear. MSP-TK04 provides the formula with a smooth texture while GMS-TTB4 offers a velvet-like texture. CARESS® BN06, Boron Nitride, is used for superior softness and tactility, superb spreadability, and good coverage.

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# O/W KoboGel Aqua Medium Liquid Foundation

## Formula KLF-190

Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
<b>1</b>	17.30	Deionized Water	Water	
	1.10	Di-Sodium Tetraborate Decahydrate	Sodium Borate	EMD Chemicals Inc.
	0.60	Eumulgin® SG	Sodium Stearoyl Glutamate	BASF
	0.30	Citric Acid USP Anhydrous, Fine Granular	Citric Acid	VWR Scientific Products
<b>2</b>	3.90	Glycerin U.S.P. Natural 96%	Glycerin	Ruger Chemical
	0.25	Keltrol® CG	Xanthan Gum	CP Kelco
<b>3</b>	25.20	Dermol 25B	C12-15 Alkyl Benzoate	Alzo International Inc.
	3.90	Lipo Polyglycol® 400	PEG-8	Vantage
	3.00	SunBoost ATB™	Argania Spinosa Kernel Oil (And) Tocopheryl Acetate (And) Bisabolol	Kobo Products
<b>4</b>	29.60	KoboGel Aqua Medium	Glycerin (And) Dimethicone (And) Water (And) Titanium Dioxide (And) Iron Oxides (And) Pentylene Glycol (And) Dimethicone/Vinyl Dimethicone Crosspolymer (And) Silica (And) Polysorbate 20 (And) Amodimethicone (And) Carbomer (And) Sodium Hydroxide (And) Disodium Edta (And) Aluminum Hydroxide	Kobo Products
<b>5</b>	4.00	SESQ-CL3	Zea Mays (Corn) Starch (And) Polymethylsilsesquioxane (And) Polypropylsilsesquioxane (And) Aminopropyl Dimethicone	N&M/Kobo Products
<b>6</b>	3.90	DAITOSOL 5000SJ	Acrylates/Ethylhexyl Acrylate Copolymer (And) Water	Daito/ Kobo Products
	0.85	Phenoxetol®	Phenoxyethanol	Clariant
	0.10	TEALAN 99%	Triethanolamine	RITA Corp.
<b>7</b>	5.00	MSS-500/20N	Silica	Kobo Products
	1.00	MSS-500/3H	Silica	Kobo Products

100

### Manufacturing Procedure

1. In main beaker, add Part 1 ingredients. Prop mix until homogenous.
2. Pre-mix Part 2. Slurry and add to Part 1 while mixing.
3. Combine Part 3 and slowly add to Batch (Parts 1 and 2).
4. Slowly add Part 4 to batch. Continue prop mixing.
5. Slowly add Part 5 to batch. Mix for 10 min.
6. Combine Part 6 adjust pH to range 6.5 to 7.0.
7. Slowly add Part 6 then Part 7 to batch. Continue mixing until homogenous.

### Description

This O/W Liquid Foundation features KoboGel Aqua Medium. KoboGel Aqua is a series of color composites available in light, medium, and dark combinations. Use of these products aids in color matching and enriches aqueous based formulas. A light and smooth texture can be felt upon initial application followed by a velvety afterfeel. They also impart a "soft focus" effect and help to hide imperfections on the skin's surface. The foundation also includes SunBoost ATB™, a proprietary blend of antioxidant, anti-irritant and anti-inflammatory agents. SESQ-CL3 is responsible for soft focus effect and enhanced feel. DAITOSOL 5000SJ is a film former that provides water resistance to the formulation. MSS-500/20N is a silica microsphere that offers a ball-bearing effect which will impart finished products with an elegant silky texture, increased payoff, and enhanced slip which promotes better blendability on the skin. MSS-500/3H, a porous silica microsphere, can offer a dry touch and matte effect to the formulation.

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Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
<b>1</b>	5.50	Abil® WE 09	Polyglyceryl-4 Isostearate (And) Cetyl PEG/PPG-10/1 Dimethicone (And) Hexyl Laurate	Evonik
	3.65	<b>CSS-7300</b>	Cyclopentasiloxane (And) PEG/PPG-18/18 Dimethicone	NuSil/Kobo Products
	1.75	Lexol® PG 865	Propylene Glycol Dicaprylate/Dicaprate	Inolex Chemical Company
	1.75	SALACOS® 99	Isononyl Isononanoate	Ikeda
	1.25	Thixin® R	Trihydroxystearin	Elementis Specialties
	0.75	<b>CPF-3300@10cSt</b>	Phenyl Trimethicone	NuSil/Kobo Products
<b>2</b>	14.00	<b>TNP50T7-ATB</b>	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
	6.78	<b>CSF-3100@20cSt</b>	Dimethicone	NuSil/Kobo Products
	6.78	<b>BTD-11SP</b>	Titanium Dioxide (And) Triethoxycaprylylsilane (And) Polyhydroxystearic Acid	Kobo Products
	4.00	<b>TNSS75MZCM</b>	Zinc Oxide (And) Ethylhexyl Methoxycrylene (And) C12-15 Alkyl Benzoate (And) Polyhydroxystearic Acid (And) Hydrogen Dimethicone	Kobo Products
	0.91	<b>BWYO-11SP (C33-9001)</b>	Iron Oxides (C.I. 77492) (And) Triethoxycaprylylsilane (And) Polyhydroxystearic Acid	Kobo Products
	0.40	<b>CSS-7302</b>	PEG-10 Dimethicone	NuSil/Kobo Products
	0.19	<b>BWRO-11SP (C33-8001)</b>	Iron Oxides (C.I. 77491) (And) Triethoxycaprylylsilane (And) Polyhydroxystearic Acid	Kobo Products
	0.12	<b>BWBO-11SP (C33-7001)</b>	Iron Oxides (C.I. 77499) (And) Triethoxycaprylylsilane (And) Polyhydroxystearic Acid	Kobo Products
<b>3</b>	28.42	Deionized Water	Water	
	10.00	<b>CES-1104</b>	Dimethicone (And) Water (Aqua) (And) Glycerin (And) Pentylene Glycol (And) Dimethicone/Vinyl Dimethicone Crosspolymer (And) Amodimethicone (And) Carbomer (And) Phenoxyethanol (And) Sodium Hydroxide (And) Disodium Edta	NuSil/Kobo Products
	2.00	Glycerin U.S.P. Natural 96%	Glycerin	Ruger Chemical
	1.00	Euxyl® PE 9010	Phenoxyethanol (And) Ethylhexylglycerin	Schulke & Mayr
	1.00	Sodium Chloride	Sodium Chloride	Morton Salt
	1.00	Butylene Glycol	Butylene Glycol	Tri-K Industries
	0.40	Tween™ 20	Polysorbate 20	Croda
	0.10	Allantoin	Allantoin	RITA Corp.
<b>4</b>	5.00	<b>MSS-500W</b>	Silica	Kobo Products
<b>5</b>	0.25	<b>Gs-GT</b>	Water (And) Camellia Sinensis Extract (And) Palmitoyl Hydroxypropyltrimonium Amylopectin/Glycerin Crosspolymer (And) Phenoxyethanol (And) Parabens (And) Hydrogenated Lecithin	Kobo Products
<b>6</b>	3.00	<b>KTZ® INTERFINE GREEN</b>	Mica (And) Titanium Dioxide	Kobo Products

100

Manufacturing Procedure	Description
<p>1. Combine Thixin® R with Lexol® PG-865 and SALACOS® 99. Heat to 55-60°C. Homogenize for 20 minutes at 2500 rpm while maintaining the temperature at 55-60°C to allow full activation. Cool to below 35°C with low to medium stirring. Add the remaining ingredients in Part 1 and homogenize.</p> <p>2. Homogenize Parts 1 and 2 together at 3500-4000 rpm.</p> <p>3. Pre-mix Part 3.</p> <p>2. Add Part 3 to Parts 1 and 2 while homogenizing at 3500-4000 rpm.</p> <p>3. Add Part 4, followed by Parts 5 and 6 while homogenizing.</p>	<p>This lightweight, daily defense foundation offers broad spectrum protection while priming and giving the skin a healthy appearance.</p> <p>Kobo's Hybrid surface treatment, 11SP, provides buildable coverage and gives good spreadability upon application. Kobo's Non-Nano Zinc Oxide dispersion, TNSS75MZCM, contains Ethylhexyl Methoxycrylene to effectively increase SPF, UVA-PF, and provide broad spectrum protection. Titanium Dioxide dispersion, TNP50T7-ATB, contains a proprietary ratio of anti-oxidant, anti-irritant, and anti-inflammatory agents, and boosts SPF and PFA. Nusil's CES-1104 is an encapsulated elastomer gel that can be added to the water phase or post emulsification. Upon application the encapsulated CES materials break and offer an initial refreshing feel that is followed by a velvety silicone after feel. CSF-3100@20cSt and CPF-3300@10cSt deliver an emollient, silky feel and give good spreadability. Emulsifiers, CSS-7300 and CSS-7302 are easy to use and offer good compatibility with the system. MSS-500W offers this foundation slip during application, soft focus effect, and mattifying properties. KTZ® INTERFINE GREEN helps to neutralize skin redness for a natural look. Glycosphere, Gs-GT, is a free-radical scavenger for anti-aging properties.</p>
	<p><b>Notes</b> Active Ingredient(s)</p> <p>Zinc Oxide 2.92%</p> <p>Titanium Dioxide 5.32%</p> <p>SPF testing: in vivo on 3 subjects</p>

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# KoboGel D5 W/Si Concealer with SPF

## Formula KCC-013

Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
<b>1</b>	25.00	<b>KoboGel D5 Light</b>	Cyclopentasiloxane (And) Titanium Dioxide (And) Cyclohexasiloxane (And) Iron Oxides (C.I. 77492) (And) Iron Oxides (C.I. 77491) (And) PEG/Ppg-18/18 Dimethicone (And) Iron Oxides (C.I. 77499) (And) Dimethicone/Vinyl Dimethicone Crosspolymer (And) Distearidimonium Hectorite (And) Tocopheryl Acetate (And) Isopropyl Titanium Triisostearate (And) Triethoxysilylethyl Polydimethylsiloxyethyl Dimethicone	<b>Kobo Products</b>
	10.00	<b>HBP45TEL</b>	Butyloctyl Salicylate (And) Titanium Dioxide (And) Alumina (And) Silica (And) Stearic Acid (And) Polyhydroxystearic Acid	<b>Kobo Products</b>
	8.80	<b>CSV-3000</b>	Cyclopentasiloxane	<b>NuSil/Kobo Products</b>
	2.50	<b>CSS-7300</b>	Cyclopentasiloxane (And) PEG/PPG-18/18 Dimethicone	<b>NuSil/Kobo Products</b>
	2.00	<b>CSS-7302</b>	PEG-10 Dimethicone	<b>NuSil/Kobo Products</b>
<b>2</b>	41.00	Deionized Water	Water	
	3.00	Glycerin U.S.P. Natural 96%	Glycerin	Ruger Chemical
	1.00	Sodium Chloride	Sodium Chloride	Morton Salt
	1.00	Jecicide CAP-5	Phenoxyethanol (And) Caprylyl Glycol (And) Potassium Sorbate (And) Water (And) Hexylene Glycol	Jeen International
	0.50	Tween™ 20	Polysorbate 20	Croda
<b>3</b>	5.00	<b>SESQ-White1</b>	Polymethylsilsesquioxane (And) Polyphenylsilsesquioxane	<b>N&amp;M/Kobo Products</b>
<b>4</b>	0.20	<b>SPC/KTZ INTERVAL GOLD-I2</b>	Mica (And) Titanium Dioxide (And) Ethylene/Methacrylate Copolymer (And) Isopropyl Titanium Triisostearate	<b>Kobo Products</b>

100

<p><b><u>Manufacturing Procedure</u></b></p> <ol style="list-style-type: none"> <li>Mix Part 1.</li> <li>Mix Part 2 separately.</li> <li>Slowly add Part 2 to Part 1 while homogenizing.</li> <li>Add Part 3 while homogenizing.</li> <li>Add Part 4 while mixing.</li> </ol>	<p><b><u>Description</u></b></p> <p>This is a liquid W/Si concealer that showcases the benefits and ease of use of KoboGel D5 Light. KoboGel D5 not only aids in color matching by simplifying color additions into formulations but also enriches formulas with a silky and spreadable feel. Also in this concealer are CSS-7302 and CSS-7300, which are effective W/Si emulsifiers. Kobo's Titanium Dioxide dispersion, HBP45TEL, helps achieve a broad spectrum SPF. SESQ-White1 helps to give a powdery after feel and soft focus effect, while SPC/KTZ INTERVAL GOLD-I2 gives a subtle illuminating effect on skin.</p>				
	<p><b><u>Notes</u></b></p> <table> <tr> <td>Active Ingredient(s)</td> <td style="text-align: right;">4.10%</td> </tr> <tr> <td>Titanium Dioxide</td> <td></td> </tr> </table>	Active Ingredient(s)	4.10%	Titanium Dioxide	
Active Ingredient(s)	4.10%				
Titanium Dioxide					

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# Cream-to-Powder with SILCRUSTA MK03

## Formula KCP-019D

Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
<b>1</b>	13.00	<b>BTD-401</b>	Titanium Dioxide (And) Isopropyl Titanium Triisostearate	<b>Kobo Products</b>
	6.00	<b>SERICITE GMS-4C</b>	Mica	<b>Kobo Products</b>
	0.33	<b>BYO-I2</b>	Iron Oxides (C.I. 77492) (And) Isopropyl Titanium Triisostearate	<b>Kobo Products</b>
	0.33	<b>BRO-I2</b>	Iron Oxides (C.I. 77491) (And) Isopropyl Titanium Triisostearate	<b>Kobo Products</b>
	0.10	Propyl Paraben NF	Propylparaben	International Sourcing
	0.10	Methyl Paraben NF	Methylparaben	International Sourcing
	0.10	<b>BBO-I2</b>	Iron Oxides (C.I. 77499) (And) Isopropyl Titanium Triisostearate	<b>Kobo Products</b>
<b>2</b>	29.04	Lexol® PG-865	Propylene Glycol Dicaprylate/Dicaprate	Inolex Chemical Company
	17.00	ELEMENT14 PDMS 50	Dimethicone	Momentive
	9.00	Ozokerite Wax White SP 1020	Ozokerite	Strahl & Pitsch, Inc.
<b>3</b>	25.00	<b>SILCRUSTA MK03</b>	Methyl Methacrylate Crosspolymer (And) Polymethylsilsesquioxane	<b>Nikko Rica/Kobo Products</b>

100

### Manufacturing Procedure

1. Blend Part 1 and pass through a micro pulverizer until the color is fully extended.
2. Add Part 1 to Part 2 and heat to 80°C.
3. Slowly add Part 3 to Parts 1 and 2 at 80°C.
4. Continue to mix until uniform at 80°C.
5. Pour at 78°C.

### Description

Part of a formula series that shows how important Polymethylsilsesquioxane is to a Cream-to-Powder formula. Each type and size of Polymethylsilsesquioxane gives the formula a different feel.

This Cream-to-Powder formula contains Kobo's BTD-401 and ITT-Treated pigments to give high coverage and to provide the basis for this novel texture. Kobo's SILCRUSTA MK03, Methyl Methacrylate Crosspolymer Microsphere, is used for optical enhancing to accentuate the skin with a natural appearance while hiding imperfections such as fine lines and wrinkles. SERICITE GMS-4C is added to give a glide-on application.

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January, 2012

# Natural-Treated Mineral Powder with Jojoba

Formula KPW-007A

Ester

Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
1	73.40	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
100				

<b>Manufacturing Procedure</b> 1. Pass premixed Part 1 through a micropulverizer or suitable equipment until color is fully extended.	<b>Description</b> A Natural-Treated Mineral Powder that shows excellent color development, adhesion to skin, and even application due to Kobo's Natural Jojoba Ester Treatment.
	<b>Notes</b> Active Ingredient(s) Titanium Dioxide 11.51%

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# Perfection Wear Make-Up with FS Treated Pigments

## Formula KPP-068A

Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
<b>1</b>	41.75	CARESS® BN06	Boron Nitride	Bent Tree/Kobo Products
	38.00	TALC N-FS	Talc (And) Perfluorooctyl Triethoxysilane	Kobo Products
	3.00	RBTD-M-FS	Titanium Dioxide (And) Perfluorooctyl Triethoxysilane	Kobo Products
	3.00	MSS-500N-FS	Silica (And) Perfluorooctyl Triethoxysilane	Kobo Products
	2.00	ZINC MYRISTATE	Zinc Myristate	Kobo Products
	2.00	BPD-500W	HDI/Trimethylol Hexyllactone Crosspolymer (And) Silica	Kobo Products
	0.88	BWYO-FS	Iron Oxides (C.I. 77492) (And) Perfluorooctyl Triethoxysilane	Kobo Products
	0.76	BWRO-FS	Iron Oxides (C.I. 77491) (And) Perfluorooctyl Triethoxysilane	Kobo Products
	0.36	BWBO-FS	Iron Oxides (C.I. 77499) (And) Perfluorooctyl Triethoxysilane	Kobo Products
	0.15	Methyl Paraben NF	Methylparaben	International Sourcing
0.10	Propyl Paraben NF	Propylparaben	International Sourcing	
<b>2</b>	2.67	CSF-3100@50cSt	Dimethicone	NuSil/Kobo Products
	2.67	CSF-3100@350cSt	Dimethicone	NuSil/Kobo Products
	2.66	CSF-3100@20cSt	Dimethicone	NuSil/Kobo Products

100

### Manufacturing Procedure

1. Combine Part 1 in blender. Blend until color is fully developed.
2. Combine Part 2 and mix well.
3. Add Part 2 to Part 1 and blend well.
4. Press at 700 psi.

### Description

This creamy, luxurious pressed powder applies smoothly onto the skin. Kobo's CARESS® BN06, Boron Nitride, is used for superior softness and tactility, superb spreadability, excellent adherence, long lasting effect, and good coverage. Kobo's Fluoro Silane Treatment exhibits both water and oil repellency while promoting skin adherence for long wear. MSS-500N-FS, an FS treated silica microsphere, imparts an elegant slip and creaminess upon application. Kobo's Microsphere, BPD-500W, gives this powder slip during application and helps achieve a matte finish. ZINC MYRISTATE contributes to great feel, adherence on the skin, and acts as part of the formula's dry binder system. Caresil Pure Fluids, high clarity-purity silicones, CSF-3100@20cS, 50cSt, and 350cSt, deliver an emollient, silky feel with reduced tackiness that brings about high spreadability and compatibility.

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March, 2015

# Pressed Powder with SILCRUSTA MK03

## Formula KPP-069F

Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
<b>1</b>	70.48	SERICITE GMS-4C	Mica	Kobo Products
	10.00	SILCRUSTA MK03	Methyl Methacrylate Crosspolymer (And) Polymethylsilsesquioxane	Nikko Rica/Kobo Products
	7.00	BTD-11S2	Titanium Dioxide (And) Triethoxycaprylylsilane	Kobo Products
	2.00	ZINC MYRISTATE	Zinc Myristate	Kobo Products
	1.00	BYO-11S2	Iron Oxides (C.I. 77492) (And) Triethoxycaprylylsilane	Kobo Products
	0.86	BRO-11S2	Iron Oxides (C.I. 77491) (And) Triethoxycaprylylsilane	Kobo Products
	0.46	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
<b>2</b>	2.50	Lexol® PG-865	Propylene Glycol Dicaprylate/Dicaprate	Inolex Chemical Company
	2.50	CSF-3100@20cSt	Dimethicone	NuSil/Kobo Products
	2.00	CSF-3100@350cSt	Dimethicone	NuSil/Kobo Products
	1.00	SS4267	Dimethicone (And) Trimethylsiloxysilicate	Momentive

100

### Manufacturing Procedure

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

### Description

Part of a formula series that shows how important Microspheres are to pressed powder formulas. Each type and size of Microsphere gives the formula a different feel.

This pressed powder formula contains Kobo's SILCRUSTA MK03, Methyl Methacrylate Crosspolymer Microsphere, used for optical enhancing to accentuate the skin with a natural appearance while hiding imperfections such as fine lines and wrinkles. SERICITE GMS-4C is added to give a glide-on application. Kobo's 11S treatment helps to provide this pressed powder with adhesion to the skin and gives the formula a creamy feel. Caresil Pure Fluids, high clarity-purity silicones, CSF-3100@20cSt and 350cSt, deliver an emollient, silky feel with reduced tackiness that brings about high spreadability and compatibility. ZINC MYRISTATE also contributes to great feel and adherence on the skin.

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# KOBO

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# Creamy Eye Shadow with ASG Treatment -

Formula KEY-039A

## Peach Shimmer

Kobo Products - Formulations

Part	Percent	Ingredients	INCI Name	Supplier
<b>1</b>	30.00	TALC AJM	Talc	Kobo Products
	25.95	GMS-ASG3	Mica (And) Stearoyl Glutamic Acid	Kobo Products
	10.00	MST-547	Polymethylsilsesquioxane	Kobo Products
	3.00	BYO-ASG3	Iron Oxides (C.I. 77492) (And) Stearoyl Glutamic Acid	Kobo Products
	2.70	BRO-ASG3	Iron Oxides (C.I. 77491) (And) Stearoyl Glutamic Acid	Kobo Products
	2.50	ZINC MYRISTATE	Zinc Myristate	Kobo Products
	1.65	BBO-ASG3	Iron Oxides (C.I. 77499) (And) Stearoyl Glutamic Acid	Kobo Products
	0.10	Methyl Paraben NF	Methylparaben	International Sourcing
	0.10	Propyl Paraben NF	Propylparaben	International Sourcing
<b>2</b>	2.50	Lexol® PG-865	Propylene Glycol Dicaprylate/Dicaprate	Inolex Chemical Company
	2.50	CSF-3100@20cSt	Dimethicone	NuSil/Kobo Products
	2.00	CSF-3100@350cSt	Dimethicone	NuSil/Kobo Products
	1.00	SS4267	Dimethicone (And) Trimethylsiloxysilicate	Momentive
<b>3</b>	10.00	KTZ® INTERFINE GOLD	Mica (And) Titanium Dioxide	Kobo Products
	5.00	KTZ® VIBRANT GOLD	Mica (And) Titanium Dioxide (And) Iron Oxides (C.I. 77491)	Kobo Products
	1.00	Moonshine® Silver White Shimmer	Calcium Aluminum Borosilicate (And) Titanium Dioxide	Glass Flake/Kobo Products

100

### Manufacturing Procedure

1. Blend Part 1 on high speed until color is fully developed.
2. Add Part 2 to Part 1 and blend well on high speed. Blend 3 times at 1 minute each time. Mix batch well by hand in-between each blending.
3. Add Part 3 to blender and blend twice at 30 seconds on low speed. Mix batch by hand in-between each blending.
4. Press at 600 psi.

### Description

This pressed powder eye shadow applies smoothly as a result of Kobo's ASG treated materials in combination with MST-547 to enhance product payoff. Kobo's TALC AJM is an odorless, fine, white powder with anti-caking properties to improve feel. Powder compressibility is addressed with dry binder, ZINC MYRISTATE, to help keep the formula robust. Caresil Pure Fluids, high clarity-purity silicones, CSF-3100@20cSt and CSF-3100@350cSt, deliver an emollient, silky feel with reduced tackiness that brings about high spreadability and compatibility. KTZ® INTERFINE GOLD, KTZ® VIBRANT GOLD and Moonshine® Silver White Shimmer give the formula a unique pearlescent effect.

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www.koboproducts.com

# Eye Shadow with **KOBOPEARL® PERPETUAL**

Formula **KEY-059D**

## **SHEEN GreenBlue**

Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
<b>1</b>	40.70	<b>GMS-I2</b>	Mica (And) Isopropyl Titanium Triisostearate	<b>Kobo Products</b>
	24.50	<b>TALC N-I2</b>	Talc (And) Isopropyl Titanium Triisostearate	<b>Kobo Products</b>
	10.00	<b>KOBOPEARL® PERPETUAL SHEEN GreenBlue</b>	Synthetic Fluorophlogopite (And) Silica (And) Titanium Dioxide	<b>Kobo Products</b>
	4.74	<b>BLUE 1AL-I2</b>	Blue 1 Lake (And) Isopropyl Titanium Triisostearate	<b>Kobo Products</b>
	3.00	<b>MSS-500/20N</b>	Silica	<b>Kobo Products</b>
	3.00	<b>BGCO-I2</b>	Chromium Oxide Greens (CI 77288) (And) Isopropyl Titanium Triisostearate	<b>Kobo Products</b>
	2.87	<b>BFF-I2</b>	Ferric Ammonium Ferrocyanide (And) Isopropyl Titanium Triisostearate	<b>Kobo Products</b>
	1.94	<b>BBO-I2</b>	Iron Oxides (C.I. 77499) (And) Isopropyl Titanium Triisostearate	<b>Kobo Products</b>
	1.00	<b>YELLOW 5AL-I2</b>	Yellow 5 Lake (And) Isopropyl Titanium Triisostearate	<b>Kobo Products</b>
	0.15	Methyl Paraben NF	Methylparaben	International Sourcing
0.10	Propyl Paraben NF	Propylparaben	International Sourcing	
<b>2</b>	2.67	<b>CSF-3100@350cSt</b>	Dimethicone	<b>NuSil/Kobo Products</b>
	2.67	<b>CSF-3100@1000cSt</b>	Dimethicone	<b>NuSil/Kobo Products</b>
	2.66	<b>CSF-3100@20cSt</b>	Dimethicone	<b>NuSil/Kobo Products</b>

100

**Manufacturing Procedure**

1. Combine Part 1 in blender. Blend until color is fully developed.
2. Combine Part 2 and mix well.
3. Add Part 2 to Part 1 and blend well.
4. Press at 700 psi.

**Description**

This Eye Shadow Features Kobo's Isopropyl Titanium Triisostearate (ITT) Treatment which is very reactive to almost all pigments and forms a uniform coating of lipophilic isostearate groups. MSS-500/20N gives an excellent application and soft focus effect while helping to fill in lines and wrinkles. Caresil Pure Fluids, high clarity-purity silicones, CSF-3100@20cSt, 1000cSt and 350cSt deliver an emollient, silky feel with reduced tackiness that brings about high spreadability and compatibility. KOBOPEARL® PERPETUAL SHEEN GreenBlue gives a pearlescent effect to the formula.

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**KOBO**

www.koboproducts.com

# KTZ® EBONY Pearlescent Eye Shadow - Formula KEY-062C Midnight Sky

Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
<b>1</b>	38.89	SERICITE GMS-4C	Mica	Kobo Products
	24.00	TALC N-I2	Talc (And) Isopropyl Titanium Triisostearate	Kobo Products
	7.00	KTZ® EBONY	Iron Oxides (C.I. 77499) (And) Mica	Kobo Products
	6.76	BUB-I2	Ultramarines (And) Isopropyl Titanium Triisostearate	Kobo Products
	3.00	MSS-500/20N	Silica	Kobo Products
	0.15	Methyl Paraben NF	Methylparaben	International Sourcing
	0.10	Propyl Paraben NF	Propylparaben	International Sourcing
<b>2</b>	3.37	CSF-3100@100cSt	Dimethicone	NuSil/Kobo Products
	3.37	CSF-3100@1000cSt	Dimethicone	NuSil/Kobo Products
	3.36	CSF-3100@20cSt	Dimethicone	NuSil/Kobo Products
<b>3</b>	10.00	KOBPEARL® PERPETUAL LUSTER GreenBlue	Synthetic Fluorphlogopite (And) Silica (And) Titanium Dioxide	Kobo Products

100

**Manufacturing Procedure**

1. In blender micropulverize Part 1 until color is developed and all ingredients are uniform.
2. In a side beaker, add Part 2 and mix until homogenous.
3. Slowly add Part 2 in blender and mix until fully uniform.
4. Add Part 3 to blender and mix until uniform.
5. Press at 500psi.

**Description**

This Eye Shadow Features Kobo's Isopropyl Titanium Triisostearate (ITT) Treatment of which Kobo has a wide range of colors to offer. This treatment has good affinity to the skin, a creamy feel and helps improve compressibility. Microsphere, MSS-500/20N, gives an excellent application. Caresil Pure Fluids, are used as wet binders and deliver an emollient, silky feel with reduced tackiness that brings about high spreadability and compatibility. KTZ® EBONY adds a dark undertone to help the KOBPEARL® PERPETUAL LUSTER GreenBlue stand out when applied. SERICITE GMS-4C is a creamy Mica that helps the formula glide onto the lid and offers a subtle sheen.

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# Plush Mascara

## Formula KMA-053

Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
<b>1</b>	7.50	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	<b>KOBOGUARD® 5400 SQ</b>	Hydrogenated Polycyclopentadiene (And) Squalane	<b>Kobo Products</b>
	1.00	Liposorb® SQO	Sorbitan Sesquileate	Vantage
<b>2</b>	39.45	Deionized Water	Water	
	11.00	<b>W60BBNFAP-O</b>	Iron Oxides (C.I. 77499) (And) Water (And) Ammonium Polyacrylate	<b>Kobo Products</b>
	1.00	Triethanolamine 99	Triethanolamine	Dow Chemical
	0.30	Natrosol® 250 HHR CS	Hydroxyethylcellulose	Hercules/Aqualon
<b>3</b>	4.00	<b>KNY-3D</b>	Nylon-66 (And) Titanium Dioxide	<b>Kobo Products</b>
	1.00	Deionized Water	Water	
	1.00	<b>DSPCS-I2</b>	Silica (And) Ethylene/Methacrylate Copolymer (And) Isopropyl Titanium Trisostearate	<b>Kobo Products</b>
	0.60	Glydant Plus™	DMDM Hydantoin (And) Iodopropynyl Butylcarbamate	Lonza
	0.15	Germall® 115	Imidazolidinyl Urea	ISP
<b>4</b>	15.00	<b>WSJ22BNF-O</b>	Water (And) Acrylates/Ethylhexyl Acrylate Copolymer (And) Iron Oxides (C.I. 77499) (And) Sodium Acrylate/Sodium Acryloyldimethyl Taurate Copolymer (And) Aminomethyl Propanol	<b>Kobo Products</b>

100

### Manufacturing Procedure

- Heat Part 1 to 80°C in auxiliary tank.
- In Part 2 while heating, add Natrosol® 250 HHR CS to deionized water under propeller mixing. Mix until Natrosol® 250 HHR CS is fully hydrated. Add the rest of Part 2. Heat to 80°C.
- Add Part 1 to Part 2 in main tank with propeller and sweep agitation at 80°C.
- Cool to 50°C.
- Add Part 3 ingredients at 50°C.
- Add Part 4 at 45°C.
- Cool to 25°C - 27°C.

### Description

This mascara features Kobo's Nylon Fiber, KNY-3D, which gives a lengthening effect, while Kobo's Microsphere Complex, DSPCS-I2, is lightweight and provides volume to the lash without weight. 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-O and WSJ22BNF-O, are used in combination to provide a deep black shade. The WSJ dispersion has film-forming properties. Both dispersions help to ease the manufacturing process.

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May, 2015

# **KOBO**

www.koboproducts.com

# Anhydrous Mascara with PT1BM60B

## Formula KMA-060A

Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
<b>1</b>	20.60	CPF-3300@10cSt	Phenyl Trimethicone	NuSil/Kobo Products
	5.00	CPF-3300@20cSt	Phenyl Trimethicone	NuSil/Kobo Products
	3.90	COMPOSITE ACCB-33	Kaolin (And) Black 2 (And) Acrylates Copolymer (And) Sodium Polyacrylate	Kobo Products
	1.80	CELL-U-LASH 40	Cellulose	Kobo Products
	1.80	CELL-U-LASH 90	Cellulose	Kobo Products
	1.80	SPC/BLACK NF-I2	Iron Oxides (C.I. 77499) (And) Ethylene/Methacrylate Copolymer (And) Isopropyl Titanium Triisostearate	Kobo Products
	0.30	DSPCS-I2	Silica (And) Ethylene/Methacrylate Copolymer (And) Isopropyl Titanium Triisostearate	Kobo Products
<b>2</b>	10.00	Butylene Glycol	Butylene Glycol	Ruger Chemical
	6.40	Propylene Glycol	Propylene Glycol	Ruger Chemical
	6.00	Glycerin U.S.P. Natural 96%	Glycerin	Ruger Chemical
	1.60	Jeesorb L-20	Polysorbate 20	Jeen International
	0.50	Butyl Paraben NF	Butylparaben	International Sourcing
	0.15	Germall® 115	Imidazolidinyl Urea	ISP
<b>3</b>	19.90	PT1BM60B	Iron Oxides (C.I. 77499) (And) Phenyl Trimethicone (And) Distearidimonium Hectorite (And) Isopropyl Titanium Triisostearate (And) Silica (And) 1,2-Hexanediol (And) Caprylyl Glycol	Kobo Products
	7.20	Beeswax White SP 422P	Beeswax	Strahl & Pitsch, Inc.
	4.00	Perfomalene™ M 70 Wax	Synthetic Wax	New Phase Technologies
	3.20	Carnauba Wax SP 63P	Copernicia Cerifera (Carnauba) Wax	Strahl & Pitsch, Inc.
	2.40	Candelilla Wax SP 75	Euphorbia Cerifera (Candelilla) Wax	Strahl & Pitsch, Inc.
	2.40	Dermofat 4919	Stearic Acid	Alzo International
	0.80	Liposorb® SQO	Sorbitan Sesquioleate	Vantage
	0.25	THIXIN® R	Trihydroxystearin	Elementis Specialties

100

### Manufacturing Procedure

1. Combine Part 1 until homogenous then add Part 2.
2. Begin heating Parts 1 and 2 with prop mixing at 80°C.
3. Combine Part 3 and prop mix at 80°C.
4. Slowly add Part 3 to Parts 1 and 2 with prop mixing at 80°C.
5. Begin cooling using side sweep at 400 rpm for 10 minutes, then 100 rpm for 20 minutes.

### Description

This Anhydrous Mascara features Kobo's New PT1BM dispersion, PT1BM60B. This dispersion is easy to use, offering good spreadability and a silky feel. Kobo's non-nano carbon black, COMPOSITE ACCB-33, is used for intense deep, black color and volumizing properties. Kobo's Microsphere Complex, DSPCS-I2, is lightweight and provides volume to the lash. SPC/BLACK NF-I2, hollow microsphere complex with ITT, adds a building effect to the lashes and contributes to black color. CELL-U-LASH 90 imparts length and CELL-U-LASH 40 provides volume. Nusil's Phenyl Trimethicone CPF-3300@10cSt and CPF-3300@20cSt, are silicone fluids that can improve spreadability and the formula's feel upon application.

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# KOBO

www.koboproducts.com

# W/Si Mascara with CELL-U-LASH 150

## Formula KMA-065

Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
<b>1</b>	12.90	<b>BWBO-FS</b>	Iron Oxides (C.I. 77499) (And) Perfluorooctyl Triethoxysilane	<b>Kobo Products</b>
	10.00	<b>KOBOGUARD® 5400 IDD</b>	Hydrogenated Polycyclopentadiene (And) Isododecane	<b>Kobo Products</b>
	10.00	SF1528	Cyclopentasiloxane (And) PEG/PPG-20/15 Dimethicone	Momentive
	6.25	SILSOFT ETS	Ethyl Trisiloxane	Momentive
	4.00	<b>MICA S-FS</b>	Mica (And) Perfluorooctyl Triethoxysilane	<b>Kobo Products</b>
	2.90	<b>CSS-7302</b>	PEG-10 Dimethicone	<b>NuSil/Kobo Products</b>
	2.20	Lexol® PG-865	Propylene Glycol Dicaprylate/Dicaprate	Ashland
	2.00	SS4230	Cyclopentasiloxane (And) Trimethylsiloxysilicate	Momentive
	2.00	<b>SUMECTON SAN-P</b>	Quaternium-18 Hectorite	<b>Kobo Products</b>
	0.70	SF1555	Bis-Phenylpropyl Dimethicone	Momentive
<b>2</b>	0.90	Ethanol 24,511-9	Ethyl Alcohol	Aldrich Chemical Co.
<b>3</b>	34.00	Deionized Water	Water	
	3.20	Butylene Glycol	Butylene Glycol	Pride Solvents & Chemicals Co. of NJ, Inc.
	1.25	Glycerin U.S.P. Natural 96%	Glycerin	Vopak
	0.90	Germaben® II	Propylene Glycol (And) Diazolidinyl Urea (And) Methylparaben (And) Propylparaben	Chempoint
	0.80	Sodium Chloride	Sodium Chloride	Morton Salt
	0.50	Jeecide CAP-5	Phenoxyethanol (And) Caprylyl Glycol (And) Potassium Sorbate (And) Water (And) Hexylene Glycol	Jeen International
	0.50	Jeesorb L-20	Polysorbate 20	Jeen International
<b>4</b>	5.00	<b>CELL-U-LASH 150</b>	Cellulose	<b>Kobo Products</b>
100				

### Manufacturing Procedure

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

### Description

This W/Si Mascara features Kobo's Fluoro Silane Treatment. The FS treatment exhibits both water and oil repellency while promoting adherence for long wear. The combination of KOBOGUARD® 5400 IDD offers long-lasting properties to the formulation. SUMECTON SAN-P gives thickening and stabilizes the emulsion. CSS-7302 contributes to the stability of the formula. CELL-U-LASH 150 helps to provide a lengthening effect on the lashes.

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# **KOBO**

www.koboproducts.com

# Rich Color Lipstick with INBP Dispersions and Formula KLP-055A **KOBOGUARD® HRPC**

Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
<b>1</b>	33.30	Castor Oil	Ricinus Communis (Castor) Seed Oil	Alzo International Inc.
	12.00	Softisan® 649	Bis-Diglyceryl Polyacyladipate-2	Condea Vista
	9.00	<b>SW5M5</b>	Synthetic Wax (And) Silica	<b>Kobo Products</b>
	7.50	Candelilla Wax SP 75	Euphorbia Cerifera (Candelilla) Wax	Olvea
	4.50	SF1642	C30-45 Alkyl Dimethicone	Momentive
	3.50	Lipowax® D	Cetearyl Alcohol (And) Ceteareth-20	Vantage
	3.00	Ozokerite Wax White SP 1020	Ozokerite	Strahl & Pitsch
	3.00	<b>KOBOGUARD® HRPC</b>	Hydrogenated Polycyclopentadiene (And) Polyethylene (And) Copernicia Cerifera (Carnauba) Wax (And) Tocopherol	<b>Kobo Products</b>
	2.50	Microcrystalline Wax SP-89	Microcrystalline Wax	Strahl & Pitsch, Inc.
	1.00	<b>MSS-500/3H</b>	Silica	<b>Kobo Products</b>
	0.10	Propyl Paraben NF	Propylparaben	International Sourcing
0.10	BHT Food Grade Crystal	BHT	Protameen	
<b>2</b>	17.50	<b>INBP45R7C</b>	Red 7 Lake (And) Isononyl Isononanoate (And) Isopropyl Myristate (And) Stearalkonium Hectorite (And) Isopropyl Titanium Triisostearate (And) Propylene Carbonate (And) Polyhydroxystearic Acid	<b>Kobo Products</b>
	3.00	<b>INBP50Y5A</b>	Yellow 5 Lake (And) Isononyl Isononanoate (And) Isopropyl Myristate (And) Stearalkonium Hectorite (And) Isopropyl Titanium Triisostearate (And) Propylene Carbonate (And) Polyhydroxystearic Acid	<b>Kobo Products</b>

100

### Manufacturing Procedure

1. Combine all ingredients from Part 1 and mix at 80°C.
2. Slowly add Part 2 to Part 1 until fully dispersed and continue mixing at 80°C.
3. Homogenize batch at 80°C to fully develop pigments.
4. Pour into molds at 75°C.

### Description

This lipstick features high solid pigmentary, INBP Dispersions, in Isononyl Isononanoate that offer a high pigment load to the formula to achieve the high intensity color claim. They ease the manufacturing process and provide fully developed color. The SW5M5 fumed silica gellant thickens and offers added shine and stability. Kobo's Microsphere, MSS-500/3H, offers increased pay off and helps to reduce sweating. KOBOGUARD® HRPC offers water-resistance and long wear to the formula.

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# **KOBO**

www.koboproducts.com

# Lipstick with C6507 D&C Red 7 CA Lake- Control Formula KLP-109A for Demo

Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
1	30.40	Castor Oil	Ricinus Communis (Castor) Seed Oil	CasChem
	19.60	C6507 D&C Red 7 CA Lake	Red 7 Lake	Warner Jenkinson
	11.00	Softisan® 645	Bis-Diglyceryl Polyacyladipate-1	Warner Graham
	9.80	Wickenol 155	Ethylhexyl Palmitate	Alzo International Inc.
	6.00	Candelilla Wax SP 75	Euphorbia Cerifera (Candelilla) Wax	Strahl & Pitsch
	5.00	KTZ® CLASSIC WHITE-I2	Mica (And) Titanium Dioxide (And) Isopropyl Titanium Triisostearate	Kobo Products
	5.00	KOBOGUARD® 5400 CCT	Hydrogenated Polycyclopentadiene (And) Caprylic/Capric Triglyceride	Kobo Products
	4.50	Ozokerite Wax White SP 1020P	Ozokerite	Strahl & Pitsch
	3.00	Lipowax® D	Cetearyl Alcohol (And) Ceteareth-20	Vantage
	2.50	Cetiol® SB 45	Shea Butter	BASF
	2.00	Microcrystalline Wax SP-89	Microcrystalline Wax	Strahl & Pitsch
1.00	SP-500	Nylon-12	Toray/Kobo Products	
2	0.10	Propyl Paraben NF	Propylparaben	International Sourcing
	0.10	BHT Food Grade Crystal	BHT	Protameen Chemicals

100

### Manufacturing Procedure

1. Combine all ingredients and melt at 80°C.
2. Hand mix with a spatula for 4 minutes.

Note: 4 minutes was the time it took for KLP-109C with the dispersion ,CO20R7C, to fully develop.

### Description

This is a control formula with untreated Red 7 Lake to be compared to KLP-109C, which contains ITT treated Red 7 Lake in a castor oil dispersion, CO20R7C. This lipstick features KTZ® CLASSIC WHITE-I2, a pearlescent pigment that gives the formula luminescence. KOBOGUARD® 5400 CCT, an oil soluble polymer, helps to enhance adhesion and substantivity of the formula. It improves water resistance and rub resistance while imparting gloss. SP-500, a polymer microsphere, offers a ball-bearing effect which will impart an elegant silky texture, increased payoff, and enhanced slip.

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# KOBO

www.koboproducts.com

# Lipstick with RED 7CA-I2

## Formula KLP-109B

Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
1	30.00	CASTOR OIL	Ricinus Communis (Castor) Seed Oil	CasChem
	20.00	RED 7CA-I2	Red 7 Lake (And) Isopropyl Titanium Triisostearate	Kobo Products
	11.00	Softisan® 645	Bis-Diglyceryl Polyacyladipate-1	Warner Graham
	9.80	Wickenol 155	Ethylhexyl Palmitate	Alzo International Inc.
	6.00	Candelilla Wax SP 75	Euphorbia Cerifera (Candelilla) Wax	Strahl & Pitsch
	5.00	KTZ® CLASSIC WHITE-I2	Mica (And) Titanium Dioxide (And) Isopropyl Titanium Triisostearate	Kobo Products
	5.00	KOBOGUARD® 5400 CCT	Hydrogenated Polycyclopentadiene (And) Caprylic/Capric Triglyceride	Kobo Products
	4.50	Ozokerite Wax White SP 1020P	Ozokerite	Strahl & Pitsch
	3.00	Lipowax® D	Cetearyl Alcohol (And) Ceteareth-20	Vantage
	2.50	Cetiol® SB 45	Shea Butter	BASF
	2.00	Microcrystalline Wax SP-89	Microcrystalline Wax	Strahl & Pitsch
	1.00	SP-500	Nylon-12	Kobo Products
2	0.10	Propyl Paraben NF	Propylparaben	International Sourcing
	0.10	BHT FOOD GRADE CRYSTAL	BHT	Protameen Chemicals

100

### Manufacturing Procedure

1. Combine all ingredients and melt at 80°C.
2. Hand mix with Spatula for 4 minutes.

Note: 4 minutes was the time it took for KLP-109C with dispersion CO20R7C to fully develop.

### Description

This lipstick features Kobo's Isopropyl Titanium Triisostearate (ITT) Treatment, RED 7CA-I2. KTZ® CLASSIC WHITE-I2 is a pearlescent pigment that gives the formula luminescence. Koboguard® 5400 CCT, an oil soluble polymer, helps to enhance adhesion and substantivity of the formula. It helps to improve water resistance and rub resistance while imparting gloss. SP-500 Polymer Microsphere offers a ball-bearing effect which will impart finished products with an elegant silky texture, increased payoff, and enhanced slip.

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# KOBO

www.koboproducts.com

# Lipstick with CO20R7C

## Formula KLP-109C

Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier	
1	50.00	CO20R7C	Ricinus Communis (Castor) Seed Oil (And) Red 7 Lake (And) Isopropyl Titanium Triisostearate	Kobo Products	
	11.00	Softisan® 645	Bis-Diglyceryl Polyacyladipate-1	Warner Graham	
	9.80	Wickenol 155	Ethylhexyl Palmitate	Alzo International Inc.	
	6.00	Candelilla Wax SP 75	Euphorbia Cerifera (Candelilla) Wax	Strahl & Pitsch	
	5.00	KTZ® CLASSIC WHITE-I2	Mica (And) Titanium Dioxide (And) Isopropyl Titanium Triisostearate	Kobo Products	
	5.00	KOBOGUARD® 5400 CCT	Hydrogenated Polycyclopentadiene (And) Caprylic/Capric Triglyceride	Kobo Products	
	4.50	Ozokerite Wax White SP 1020P	Ozokerite	Strahl & Pitsch	
	3.00	Lipowax® D	Cetearyl Alcohol (And) Ceteareth-20	Vantage	
	2.50	Cetiol® SB 45	Shea Butter	BASF	
	2.00	Microcrystalline Wax SP-89	Microcrystalline Wax	Strahl & Pitsch	
	1.00	SP-500	Nylon-12	Toray/Kobo Products	
	2	0.10	Propyl Paraben NF	Propylparaben	International Sourcing
		0.10	BHT Food Grade Crystal	BHT	Protameen Chemicals

100

### Manufacturing Procedure

1. Combine all ingredients and melt at 80°C.
2. Hand mix with a spatula for 4 minutes.

Note: Formula fully developed at 4 minutes due use of CO20R7C when compared to the Control formula, KLP-109A.

### Description

This lipstick features Kobo's CO20R7C, a castor oil dispersion, which offers full color development, better stability, and improved gloss. KTZ® CLASSIC WHITE-I2 is a pearlescent pigment that gives the formula luminescence. KOBOGUARD® 5400 CCT, an oil soluble polymer, helps to enhance adhesion and substantivity of the formula. It helps to improve water resistance and rub resistance while imparting gloss. SP-500, a polymer microsphere, offers a ball-bearing effect which will impart finished products with an elegant silky texture, increased payoff, and enhanced slip.

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# KOBO

www.koboproducts.com

# Extreme Matte Lipstick with SILICA SHELLS

## Formula KLP-113

Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
<b>1</b>	17.00	Softisan® 100	Hydrogenated Coco-Glycerides	Sasol
	14.30	Wickenol 155	Ethylhexyl Palmitate	Alzo International Inc.
	10.00	SALACOS® 99	Isononyl Isononanoate	Ikeda Corporation
	10.00	<b>CXG-1101</b>	Cyclopentasiloxane (And) Dimethicone/Vinyl Dimethicone Crosspolymer	<b>NuSil/Kobo Products</b>
	8.00	Candelilla Wax SP 75	Euphorbia Cerifera (Candelilla) Wax	Strahl & Pitsch, Inc.
	7.00	Microcrystalline Wax SP-89	Microcrystalline Wax	Strahl & Pitsch, Inc.
	5.00	Shea Butter	Shea Butter	Cognis Corp.
	5.00	Beeswax White Sp 422P	Beeswax	Strahl & Pitsch, Inc.
	5.00	<b>SILICA SHELLS</b>	Silica	<b>Kobo Products</b>
	4.00	Lanette O	Cetearyl Alcohol	Cognis Corp.
	3.50	Ozokerite Wax White SP 1020	Ozokerite	Strahl & Pitsch, Inc.
	2.00	<b>TALC N-I2</b>	Talc (And) Isopropyl Titanium Triisostearate	<b>Kobo Products</b>
	2.00	<b>INBP75ER</b>	Iron Oxides (C.I. 77491) (And) Isononyl Isononanoate (And) Isopropyl Myristate (And) Stearalkonium Hectorite (And) Polyhydroxystearic Acid (And) Isopropyl Titanium Triisostearate (And) Propylene Carbonate	<b>Kobo Products</b>
	2.00	<b>INBP70U</b>	Titanium Dioxide (And) Isononyl Isononanoate (And) Isopropyl Myristate (And) Stearalkonium Hectorite (And) Isopropyl Titanium Triisostearate (And) Propylene Carbonate (And) Polyhydroxystearic Acid	<b>Kobo Products</b>
	2.00	<b>INBP45R7C</b>	Red 7 Lake (And) Isononyl Isononanoate (And) Isopropyl Myristate (And) Stearalkonium Hectorite (And) Isopropyl Titanium Triisostearate (And) Propylene Carbonate (And) Polyhydroxystearic Acid	<b>Kobo Products</b>
	0.10	BHT Food Grade Crystal	BHT	Protameen
	0.10	Propyl Paraben NF	Propylparaben	International Sourcing
<b>2</b>	3.00	<b>KOBOGUARD® HRPC</b>	Hydrogenated Polycyclopentadiene (And) Polyethylene (And) Copernicia Cerifera (Carnauba) Wax (And) Tocopherol	<b>Kobo Products</b>

100

### Manufacturing Procedure

1. Premix SILICA SHELLS in Wickenol 155 and SALACOS® 99. In main tank equipped with propeller agitation, add the remaining ingredients in Part 1 to SILICA SHELLS premix and heat to 80°C - 85°C. Keep batch covered well.
2. Homogenize batch. Switch to mixing and add Part 2. Keep batch covered well.
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 super matte lipstick contains Kobo's Pigmentary Dispersions, INBP75ER, INBP45R7C, and INBP70U which are used for their high percentage of color and to ease the manufacturing process. They also help to improve wear and formula aesthetics. The combination of SILICA SHELLS and TALC N-I2 provides the intense matte appearance. CXG-1101, an elastomer gel, is also used for a matte appearance. This formula contains KOBOGUARD® HRPC, a film former, which gives excellent wear, adhesion, and is less tacky than many other film formers.

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# KOBO

www.koboproducts.com



# Velvet Lipstick with GCB/SG Dispersions

## Formula KLP-114

Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
<b>1</b>	17.50	CASTOR OIL	Ricinus Communis (Castor) Seed Oil	Alzo International Inc.
	15.00	GCB65RSG	Iron Oxides (C.I. 77491) (And) Caprylic/Capric Triglyceride (And) Isopropyl Myristate (And) Stearoyl Glutamic Acid (And) Stearalkonium Hectorite (And) Trihydroxystearin (And) Propylene Carbonate	Kobo Products
	15.00	GCB60USG	Titanium Dioxide (And) Caprylic/Capric Triglyceride (And) Isopropyl Myristate (And) Stearoyl Glutamic Acid (And) Stearalkonium Hectorite (And) Trihydroxystearin (And) Propylene Carbonate	Kobo Products
	12.00	Myritol® 331	Cocoglycerides	BASF
	11.00	Protachem CTG	Caprylic/Capric Triglyceride	Protameen Chemicals
	3.00	MSS-500W	Silica	Kobo Products
	1.00	SILICA SHELLS	Silica	Kobo Products
1.00	Lexgard® Natural	Glyceryl Caprylate (And) Glyceryl Undecylenate	Inolex Chemical Company	
<b>2</b>	9.00	Carnauba Wax SP 63P	Copernicia Cerifera (Carnauba) Wax	Strahl & Pitsch
	6.50	Beeswax White Sp 422P	Beeswax	Strahl & Pitsch
	4.00	Cetiol® SB 45	Shea Butter	BASF
<b>3</b>	5.00	KTZ® ROSE	Mica (And) Titanium Dioxide (And) Carmine	Kobo Products

100

### Manufacturing Procedure

1. Combine Part 1 and homogenize.
2. Heat to 80°C and add Part 2. Switch to prop mix.
3. Add Part 3 and pour into molds.

### Description

This velvet-like lipstick contains GCB dispersions with ASG Treatment, an amino acid treatment that provides a creamy feel to the formula. MSS-500W is a silica microsphere that improves payoff while filling in the lines on the lip for a more even application. SILICA SHELLS gives a velvet-like effect on the lips. KTZ® ROSE gives a unique pearlescent effect to this formula.

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**KOBO**

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# Lipstick with PT1BM Dispersions

## Formula KLP-124A

Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
1	27.50	CPF-3300@10cSt	Phenyl Trimethicone	Nusil/Kobo Products
	19.80	Permalene™ M 70 wax	Synthetic Wax	New Phase Technologies
	17.90	KOBOGUARD® 5400 CCT	Hydrogenated Polycyclopentadiene (And) Caprylic/Capric Triglyceride	Kobo Products
	10.00	PT1BM30R7C	Phenyl Trimethicone (And) Red 7 Lake (And) Isopropyl Titanium Trisostearate (And) Disteardimonium Hectorite (And) 1,2-Hexanediol (And) Caprylyl Glycol (And) Silica	Kobo Products
	8.75	PT1BM50Y5A	Phenyl Trimethicone (And) Yellow 5 Lake (And) Isopropyl Titanium Trisostearate (And) Disteardimonium Hectorite (And) Silica (And) 1,2-Hexanediol (And) Caprylyl Glycol	Kobo Products
	6.70	COSMOL™ 168ARV	Dipentaerythryl Hexahydroxystearate/Hexastearate/Hexarosinate	Ikeda Corporation
	3.75	PT1BM70R	Iron Oxides (C.I. 77491) (And) Phenyl Trimethicone (And) Disteardimonium Hectorite (And) Isopropyl Titanium Trisostearate (And) Silica (And) 1,2-Hexanediol (And) Caprylyl Glycol	Kobo Products
	2.50	PT1BM70U	Titanium Dioxide (And) Phenyl Trimethicone (And) Disteardimonium Hectorite (And) Isopropyl Titanium Trisostearate (And) 1,2-Hexanediol (And) Caprylyl Glycol (And) Silica	Kobo Products
	2.10	COSMOL™ 222	Diisostearyl Malate	Ikeda Corporation
	1.00	COSMOL™ 43V	Polyglyceryl-2 Trisostearate	Ikeda Corporation

100

Manufacturing Procedure	Description
<p>1. Add all ingredients to the main vessel and heat to 90°C until waxes are completely melted. Mix until pigments are fully dispersed.</p> <p>2. Cool to 65°C and pour into component.</p>	<p>This Lipstick formula features Kobo's New PT1BM dispersions. These dispersions are easy to use, offering good spreadability and a silky feel. Phenyl Trimethicone CPF-3300@10cSt helps give the lipstick improved payoff, shine, as well as good spreadability. KOBOGUARD® 5400 CCT forms a film on the lips to help provide long wear properties.</p>

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www.koboproducts.com

# Mattifying Stick

## Formula KFL-054A-BR

Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
1	10.00	COSMOL™ 222	Diisostearyl Malate	Ikeda/Kobo Products
	8.00	Ozoquerita	Ozokerite Wax	Cosmotec
	6.00	PM WAX 82	Polyethylene (And) Microcrystalline Wax	Kobo Products
	2.00	Beeswax	Beeswax	Cosmotec
	1.00	COSMOL™ 168ARV	Dipentaerythryl Hexahydroxystearate/Hexastearate/Hexarosinate	Ikeda/Kobo Products
2	20.00	MST-547	Polymethylsilsesquioxane	Kobo Products
3	41.00	CSV-3000	Cyclopentasiloxane	NuSil/Kobo Products
	5.00	MSS-500/3H	Silica	Kobo Products
	5.00	CXG-1104	Dimethicone (And) Dimethicone/Vinyl Dimethicone Crosspolymer	NuSil/Kobo Products
	2.00	Bentone Gel® VS5-PCV	Cyclopentasiloxane (And) Distearidmonium Hectorite (And) Propylene Carbonate	Cosmotec

100

### Manufacturing Procedure

1. Combine Part 1 and heat to 80°C.
2. Add Part 2.
3. Combine Part 3 and add to Parts 1 and 2 while cooling.
4. Pour into components.

### Description

This stick provides a matte effect by using MST-547, a non-absorbent silicone sphere that gives a soft focus effect and MSS-500/3H, a porous silica microsphere, that offers dry touch and matte effect. This product also contains COSMOL™ 222, a pigment dispersant that offers great stability against oxidation and COSMOL™ 168ARV which has superior oxidative stability, miscibility, water retention, and emollience. PM WAX 82 is a combination of waxes used to structure the formulation. CXG-1104 is a silicone elastomer that provides a silky powdery feel.

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# KOBO

www.koboproducts.com

# Hydrating Eye Cream

## Formula KFL-092A

Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
<b>1</b>	56.35	Deionized Water	Water	
	4.75	<b>SESQ-MH5</b>	Polymethylsilsesquioxane (And) Silica	<b>N&amp;M/Kobo Products</b>
<b>2</b>	2.00	Glycerin U.S.P. Natural 96%	Glycerin	Van Waters and Rogers
	0.50	KELTROL® CG	Xanthan Gum	CP Kelco
<b>3</b>	5.30	LexFeel® 7	Neopentyl Glycol Diheptanoate	Ashland
	3.00	SALACOS® 99	Isononyl Isononanoate	Ikeda Corporation
	3.00	Protachem CTG	Caprylic/Capric Triglyceride	Protameen Chemicals
	3.00	<b>MSS-500/3H</b>	Silica	<b>Kobo Products</b>
	2.00	Polyaldo™ 10-1-0 K FG	Polyglyceryl-10 Oleate	Lonza
	2.00	Dermofat 4919	Stearic Acid	Alzo International
<b>4</b>	5.40	<b>CES-1104</b>	Dimethicone (And) Water (Aqua) (And) Glycerin (And) Pentylene Glycol (And) Dimethicone/Vinyl Dimethicone Crosspolymer (And) Amodimethicone (And) Carbomer (And) Phenoxyethanol (And) Sodium Hydroxide (And) Disodium Edta	<b>NuSil/Kobo Products</b>
			3.00	<b>SP-500</b>
	<b>5</b>	2.00	Glycerin U.S.P. Natural 96%	Glycerin
0.30		<b>AQUA KEEP 10SH-NFC</b>	Sodium Acrylates Crosspolymer-2	<b>Sumitomo Seika/Kobo Products</b>
<b>6</b>	0.90	Phenoxtetol®	Phenoxyethanol	Ashland
<b>7</b>	5.00	<b>KTZ® FINE WHITE-I2</b>	Mica (And) Titanium Dioxide (And) Isopropyl Titanium Triisostearate	<b>Kobo Products</b>
100				

### Manufacturing Procedure

1. Combine Part 3 and heat to 80°C.
2. Prop mix Part 1 and add Part 2. Slurry. Heat to 80°C.
3. Add Part 3 to Parts 1 and 2 mixing for 15 min.
4. Begin cooling batch to 50°C.
5. Slowly add Part 4 to batch.
6. Cool to 45°C and add Part 5.
7. Cool to 35°C and add Parts 6 and 7.
8. Cool to 25°C.

### Description

This Eye Cream features AQUA KEEP 10SH-NFC which gels the external water phase of the emulsion. Hydrophilic Silicone Resin, SESQ-MH5, offers a smooth application with good payoff and soft focus effect. SP-500, a polymer microsphere, offers a ball-bearing effect which will impart an elegant silky texture, increased payoff, and enhanced slip. Nusil's CES-1104 is an encapsulated elastomer gel that can be added to the water phase or post emulsification. Upon application the encapsulated CES materials break and offer an initial refreshing feel that is followed by a velvety silicone after feel. KTZ® FINE WHITE-I2 gives the formula a unique pearlescent effect. Kobo's Microsphere, MSS-500/3H, is used to achieve better application.

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# KOBO

www.koboproducts.com

# Body Scrub with PURECORK B 1000

## Formula KCL-013A

Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
<b>1</b>	42.00	Deionized Water	Water	
	1.00	Carbopol® Ultrez 21	Acrylates/C10-30 Alkyl Acrylate Crosspolymer	Lubrizol, Inc.
<b>2</b>	10.70	Sodium Hydroxide 18% Solution	Sodium Hydroxide	Spectrum Chemical Mfg Corp.
<b>3</b>	20.00	Jeepon 30-A	Sodium Methyl Cocoyl Taurate	Jeen International
	5.00	Standapol ES-2	Sodium Laureth Sulfate	Cognis Corp.
	3.00	Mirataine CBS	Cocamidopropyl Hydroxysultaine	Rhodia
	0.20	Methyl Paraben NF	Methylparaben	International Sourcing
<b>4</b>	3.50	Glycerin U.S.P. Natural 96%	Glycerin	Ruger Chemical
	0.50	Veegum Granules	Magnesium Aluminum Silicate	R.T. Vanderbilt
	0.30	Keltrol® CG	Xanthan Gum	CP Kelco
<b>5</b>	3.50	Dermofat 4919	Stearic Acid	Alzo International Inc.
	3.00	Dermol 25B	C12-15 Alkyl Benzoate	Alzo International Inc.
	2.00	Lipocol® C	Cetyl Alcohol	Vantage
<b>6</b>	2.00	Deionized Water	Water	
	0.20	Germall® 115	Imidazolidinyl Urea	ISP
	0.10	Disodium EDTA	Disodium EDTA	Dow Chemical Company
<b>7</b>	3.00	<b>PURECORK B 1000</b>	Quercus Suber Bark	<b>Amorim/Kobo Products</b>

100

### Manufacturing Procedure

1. Prepare the water phase of Part 1 and begin mixing.
2. Slowly add in Carbopol® Ultrez 21 into the water phase with high mixing.
3. Add NaOH and neutralize to pH 6-7.
4. Add Part 3 with low mixing.
5. Make a slurry with Part 4 and add to the batch with low mixing. Heat the batch to 70-80°C.
6. Prepare Part 5 and heat until melted and homogenous. Add to main batch with mixing.
7. Dissolve the Germall® 115 and Disodium EDTA in water and add to the main batch with mixing.
8. Add Part 7 while mixing.

### Description

This body scrub features PURECORK B 1000, cork granules from Quercus Suber Bark. It is a 100% natural material, from vegetable origin. Cork is a bio-polymer, 100% of renewable carbon. PURECORK is ideal for sensitive skin as it removes dead cells without irritation compared to other natural exfoliators, namely minerals, seeds, and walnut shells, which can have sharp edges.

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December, 2015

# **KOBO**

www.koboproducts.com

# Face Scrub with PURECORK B 500

## Formula KCL-013B

Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
<b>1</b>	42.00	Deionized Water	Water	
	1.00	Carbopol® Ultrez 21	Acrylates/C10-30 Alkyl Acrylate Crosspolymer	Lubrizol, Inc.
<b>2</b>	10.70	Sodium Hydroxide 18% Solution	Sodium Hydroxide	Spectrum Chemical Mfg Corp.
<b>3</b>	20.00	Jeepon 30-A	Sodium Methyl Cocoyl Taurate	Jeen International
	5.00	Standapol ES-2	Sodium Laureth Sulfate	Cognis Corp.
	3.00	Mirataine CBS	Cocamidopropyl Hydroxysultaine	Rhodia
	0.20	Methyl Paraben NF	Methylparaben	International Sourcing
<b>4</b>	3.50	Glycerin U.S.P. Natural 96%	Glycerin	Ruger Chemical
	0.50	Veegum Granules	Magnesium Aluminum Silicate	R.T. Vanderbilt
	0.30	Keltrol® CG	Xanthan Gum	CP Kelco
<b>5</b>	3.50	Dermofat 4919	Stearic Acid	Alzo International Inc.
	3.00	Dermol 25B	C12-15 Alkyl Benzoate	Alzo International Inc.
	2.00	Lipocol® C	Cetyl Alcohol	Vantage
<b>6</b>	2.00	Deionized Water	Water	
	0.20	Germall® 115	Imidazolidinyl Urea	ISP
	0.10	Disodium EDTA	Disodium EDTA	Dow Chemical Company
<b>7</b>	3.00	<b>PURECORK B 500</b>	Quercus Suber Bark	<b>Amorim/Kobo Products</b>

100

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### Description

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# The Powder & Dispersion Specialist

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