

# FORMULARY

PCHi 2025

**KOBO**

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KSL-479D

# Shaker Ball Non-D5, Non-nano Zinc Oxide Lotion-Anhydrous



%	INGREDIENT	INCI NAME	SUPPLIER
<b>Part 1</b>			
30.75	Pelemol® CCT	Caprylic/Capric Triglyceride	Phoenix Chemical
18.00	Cetiol® C5	Coco-Caprylate	BASF Care Creations
16.75	TEGOSOFT® DEC	Diethylhexyl Carbonate	Evonik
4.00	SunBoost ATB	Argania Spinosa Kernel Oil (And) Tocopheryl Acetate (And) Bisabolol	Kobo Products
3.50	Claytone APA V	Stearammonium Bentonite	Eckart
<b>Part 2</b>			
0.35	PROPYLENE CARBONATE	Propylene Carbonate	Sigma Aldrich
<b>Part 3</b>			
19.40	HBQP75FZS	Zinc Oxide (And) Butyloctyl Salicylate (And) Polyhydroxystearic Acid (And) Triethoxycaprylylsilane	Kobo Products
4.50	Plandool™-G	Bis-Behenyl/Isostearyl/Phytosteryl Dimer Dilinoleyl Dimer Dilinoleate	Nippon Fine Chemical/Kobo Products
0.50	Lexgard® Natural MB	Glyceryl Caprylate (and) Glyceryl Undecylenate	Cosmotec
<b>Part 4</b>			
2.00	MSS-500W	Silica	Kobo Products
0.25	SILICA SHELLS	Silica	Kobo Products
100.00			

## Description:

A waterless, shaker ball, non-nano mineral sunscreen that delivers effective sunscreen protection with minimal whitening and a non-greasy after feel. The primary sunscreen active comes from HBQP75FZS, a non-nano Zinc Oxide dispersion, that also contains SPF booster Butyloctyl Salicylate. SunBoost ATB contains a proprietary blend of argan oil and skin conditioning agents that boosts SPF and PFA values. Plandool™-G is a plant-derived emollient that helps provide water barrier protection and improves product filming attributes. MSS-500W and SILICA SHELLS give the product its non-greasy and silky after feel.

## Manufacturing Procedure:

1. In main vessel, weigh out the first four ingredients. With moderate homogenization, add Claytone APA V and homogenize batch until all is smooth and uniform.
2. Add Part 2 and homogenize batch until mixture thickens and is completely uniform.
3. Add Part 3 ingredients and heat batch slightly to 50-55° C or until the Plandool™-G is completely melted. Homogenize until the batch is smooth and uniform.
4. Add Part 4 and homogenize until smooth. Cool batch with mixing to 35° C.

## Active Ingredient(s):

Zinc Oxide 13.96%

## Testing:

SPF: in vivo on 5 subjects  
CW: FDA method

## Notes:

Shaker ball packaging



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KSL-516A

# O/W Hybrid Sunscreen SPF 35



%	INGREDIENT	INCI NAME	SUPPLIER
<b>Part 1</b>			
54.55	Deionized Water	Water	
0.85	Euxyl™ PE 9010	Phenoxyethanol (and) Ethylhexylglycerin	Ashland
0.50	Natrquest E30	Trisodium Ethylenediamine Disuccinate	Innospec Performance Chemicals
<b>Part 2</b>			
5.50	Butylene Glycol	Butylene Glycol	Ruger Chemical
0.25	KELTROL CG	Xanthan Gum	CP Kelco
<b>Part 3</b>			
2.00	Aristoflex® Silk	Sodium Polyacryloyldimethyl Taurate	Clariant
<b>Part 4</b>			
0.08	Deionized Water	Water	
0.02	CITRIC ACID USP ANHYDROUS FINE GRANULAR	Citric Acid	Jungbunzlauer
<b>Part 5</b>			
15.00	ZNO-750-11SP	Zinc Oxide (And) Triethoxycaprylylsilane (And) Polyhydroxystearic Acid	Kobo Products
5.25	Eumulgin® VL 75	Lauryl Glucoside (and) Polyglyceryl-2 Dipolyhydroxystearate (and) Glycerin	BASF Care Creations
5.00	Neo Heliopan® 303	Octocrylene	Symrise
4.00	SunBoost ATB	Argania Spinosa Kernel Oil (And) Tocopheryl Acetate (And) Bisabolol	Kobo Products
3.00	Lexfeel™ 7	Neopentyl Glycol Diheptanoate	Inolex
3.00	HALLBRITE® BHB	Butyloctyl Salicylate	Hallstar
<b>Part 6</b>			
1.00	MSS-500/20N	Silica	Kobo Products
100.00			

## Description:

A broad spectrum hybrid sunscreen gel cream that helps shield skin from UV rays while feeling lightweight on the skin.

This formula utilizes our ZnO-750-11SP, a mineral UV filter that provides broad spectrum protection. There is also Symrise's Neo Heliopan 303 contributing to the SPF and broad spectrum protection. Sunboost ATB is a proprietary ratio of antioxidants, anti-irritant, and anti-inflammatory agents that helps boost SPF. MSS-500/20N is a non-oil absorbing silica microsphere that enhances slip, promotes better blendability, and helps scatter light to diminish the look of fine lines on the skin.

## Manufacturing Procedure:

1. Weigh out Phase A in main beaker. Begin mixing under prop blade (~300-400rpm). Mix until uniform.
  2. Premix Phase B very well. Once uniform, add to Phase A. Mix until uniform.
  3. Sprinkle Phase C into main beaker (Phase AB). Mix until uniform. Increase speed (~700 - 800 rpm).
  4. Use Phase D to adjust pH between 7.00 - 8.00.
  5. Combine Phase E in a side beaker and mix under homogenizer for ~ 30 mins or until uniform. (~2500 rpm)
  6. Once Phase ABC is uniform, switch from prop blade to homogenizer. Begin mixing under homo (~2000 - 2500 rpm)
  7. Increase homo speed to 2500 - 3300 rpm for emulsifying. Slowly add Phase D (side-oil) to Phase ABC (main-water).
  8. Once fully transferred in, mix under homo for an additional 10 mins.
  9. Lower homogenizer speed to 2500rpm. Sprinkle Phase E into the batch. Mix until uniform.
- \*Adjust pH if necessary at the end\*

## Active Ingredient(s):

Zinc Oxide 14.10%  
Octocrylene 5.00%

## Testing:

SPF: in vivo on 5 subjects  
CW: FDA method

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KSL-518A-EU

# Prime'n Glow Fluid Sunscreen SPF 50+



%	INGREDIENT	INCI NAME	SUPPLIER
<b>Part 1</b>			
23.00	<b>ZNO XZ-11S3L</b>	Zinc Oxide (And) Triethoxycaprylylsilane	<b>Kobo Products</b>
11.61	Purotan IDD	Isododecane	Lanxess
11.00	BRB DM 2	Dimethicone	BRB International BV
3.00	Hallbrite BHB	Butyloctyl Salicylate	Hallstar
2.00	<b>Sunboost ATB Natural</b>	Argania Spinosa Kernel Oil (And) Tocopheryl Acetate (And) Bisabolol	<b>Kobo Products</b>
<b>Part 2</b>			
8.00	<b>INP60T7</b>	Titanium Dioxide (And) Isononyl Isononanoate (And) Alumina (And) Hydrogen Dimethicone (And) Polyhydroxystearic Acid	<b>Kobo Products</b>
4.00	<b>KOBOGUARD® MQ60DM</b>	Trimethylsiloxysilicate (And) Dimethicone	<b>Kobo Products</b>
<b>Part 3</b>			
0.40	<b>DIM2F45TRY</b>	Dimethicone (And) Iron Oxides (CI 77492) (And) PEG-9 Polydimethylsiloxylethyl Dimethicone (And) Hydrogen Dimethicone (And) Polyglyceryl-4 Isostearate (And) Cetyl PEG/PPG-10/1 Dimethicone (And) Hexyl Laurate	<b>Kobo Products</b>
0.14	<b>DIM2F50TRR</b>	Dimethicone (And) Iron Oxides (CI 77491) (And) PEG-9 Polydimethylsiloxylethyl Dimethicone (And) Hydrogen Dimethicone (And) Polyglyceryl-4 Isostearate (And) Cetyl PEG/PPG-10/1 Dimethicone (And) Hexyl Laurate	<b>Kobo Products</b>
0.05	<b>KTZ® EBONY</b>	Iron Oxides (CI 77499) (And) Mica	<b>Kobo Products</b>
<b>Part 4</b>			
5.00	Gransil DM 5	Dimethicone (And) Polysilicone-11	Grant Industries
3.00	KF-6038	Lauryl PEG-9 Polydimethylsiloxylethyl Dimethicone	Shin-Etsu
2.00	KSG-320	Isododecane (And) PEG-15 Lauryl Dimethicone Crosspolymer	Shin-Etsu
<b>Part 5</b>			
13.50	P. water	Deionized Water	x
5.00	Butylene Glycol	Butylene Glycol	Univar
1.00	Mg Sulfate Hept	Magnesium Sulfate Heptahydrate	Fisher Scientific
0.80	Symdiol 68	1,2-Hexanediol (And) Caprylyl Glycol	Symrise
0.50	Symsave H	Hydroxyacetophenone	Symrise
<b>Part 6</b>			
3.00	<b>CARESS® BN12</b>	Boron Nitride	<b>Kobo Products</b>
2.00	<b>MSS-500W</b>	Silica	<b>Kobo Products</b>
1.00	<b>KTZ® CELANDON GOLD-11S2</b>	Titanium Dioxide (And) Mica (And) Iron Oxides (CI 77491) (And) Triethoxycaprylylsilane	<b>Kobo Products</b>
<b>100.00</b>			

## Description:

A tinted mineral sunscreen formula that is super lightweight when applied to the skin. Due to its fluid nature, it can be also filled in a dropper bottle and be used as a serum SPF skin tint. A 20 nm PPS, transparent, silane treated Zinc Oxide, ZnO XZ-11S3L, and 47% active dispersion of 15 nm PPS TiO<sub>2</sub> in Isononyl Isononanoate, INP60T7 have been used to achieve SPF 50 and broad spectrum protection. Sunboost ATB Natural is also used to boost sun protection and provide anti-oxidant protection to the skin. KOBOGUARD® MQ60DM is a film former based on Trimethylsiloxysilicate, helping the even deposition of the mineral filters on the skin. DIM2F50TRR and DIM2F45TRY are dispersions of transparent iron oxides that give the formula a tint without imparting any coverage to the formula. KTZ® EBONY, a black colored pearl helps to achieve the skin color tone. MSS-500W improves the spreadability of the formula and CARESS® BN12 imparts a lovely silky finish. Lastly, KTZ® CELANDON GOLD-11S2 gives the product a subtle glowy effect.

## Manufacturing Procedure:

1. Prepare Part 1 and disperse ZnO at 8000 RPM for 10 minutes.
2. Add Part 2 and mix, add part 3 and homogenise at 3000 RPM for 2 minutes. Add part 4 and homogenise at 3500 RPM until smooth.
3. Prepare Part 5. Add Part 5 to Part 1 under propeller stirrer at 1000 RPM.
4. Add Part 6 under propeller stirrer.

## Active Ingredient(s):

Titanium Dioxide	3.84%
Zinc Oxide	22.31%

## Testing:

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



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KSL-530A-AP

# Tone-up Sunscreen Primer - Mint



%	INGREDIENT	INCI NAME	SUPPLIER
<b>Part 1</b>			
26.68	Deionized Water	Water	
3.00	1,3-BG	Butylene Glycol	Daicel Corporation
2.00	Concentrated Glycerin	Glycerin	Lion Specialty Chemicals
0.70	SymDiol® 68	1,2-Hexanediol (And) Caprylyl Glycol	Symrise
0.60	Sodium Chloride	Sodium Chloride	FUJIFILM Wako Pure Chemical
<b>Part 2</b>			
10.00	FineNeo™-iPSE	Diisopropyl Sebacate	Nippon Fine Chemical
9.19	KF-96L-1.5CS	Dimethicone	Shin-Etsu
4.00	BENTONE GEL® DM5 V	Dimethicone (and) Distearidimonium Hectorite (and) Triethyl Citrate	Matsumoto Trading
4.00	KF-6038	Lauryl PEG-9 Polydimethylsiloxyethyl Dimethicone	Shin-Etsu
2.00	SunBoost ATB	Argania Spinosa Kernel Oil (And) Tocopheryl Acetate (And) Bisabolol	Kobo Products
2.00	COSMOL™ 182V	Sorbitan Sesquistearate	Nisshin Oillio
1.00	KOBOGUARD® MQ60DM	Trimethylsiloxy silicate (And) Dimethicone	Kobo Products
0.50	SALACOS® HS-6C	Polyhydroxystearic Acid	Nisshin Oillio
<b>Part 3</b>			
16.00	DIM2F650T4	Titanium Dioxide (And) Dimethicone (And) Polyglyceryl-3 Polydimethylsiloxyethyl Dimethicone (And) Alumina (And) Hydrogen Dimethicone	Kobo Products
13.30	ZNO-750-ASG5	Zinc Oxide (And) Stearoyl Glutamic Acid	Kobo Products
0.03	BGCO-ASGP5	Chromium Oxide Greens (And) Stearoyl Glutamic Acid (And) Polyhydroxystearic Acid	Kobo Products
<b>Part 4</b>			
5.00	MSS-500W	Silica	Kobo Products
100.00			

## Description:

This sunscreen primer offers a brightening effect while protecting the skin from UVA/UVB rays. It also creates an even, smooth base that's perfect to use under makeup. The mint green color covers redness caused by acne and irritated skin. This formula features Kobo's Attenuation Grade Titanium Dioxide dispersion, DIM2F650T4, and Zinc Oxide powder with ASG treatment, ZNO-750-ASG5, that contribute to UVA and UVB protection. SunBoost ATB contains a proprietary ratio of anti-oxidant, anti-irritant and anti-inflammatory agents to help boost SPF and PFA. BGCO-ASGP5 gives a green tint. KOBOGUARD® MQ60DM is an oil soluble film former that contributes to long wear. MSS-500W contributes to the elegant silky, powder feel.

## Manufacturing Procedure:

1. Combine Part 1 in side beaker.
2. Combine Part 2, mix on medium-high shear in main beaker until homogeneous.
3. Add Part 3 to Part 2 until homogeneous.
4. Add Part 1 slowly to the main beaker under continuous stirring. Mix on high shear until homogeneous.
5. Add Part 4 and mix until homogeneous.

## Active Ingredient(s):

Titanium Dioxide	6.40%
Zinc Oxide	12.64%

## Testing:

SPF: in vivo on 5 subjects  
UVA-PF: in vivo on 3 subjects

## Notes:

Bentone gel should be well dispersed before adding ZnO powder.



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KSL-550-EU

# High Naturality Max Zinc Lotion



%	INGREDIENT	INCI NAME	SUPPLIER
<b>Part 1</b>			
10.15	Dub Zenoat	Propylenediol Dicapryate	Stearinerie Dubois
8.00	Bentone Luxe XO	C13-15 Alkane (And) Distearidimonium Hectorite (And) Polyglyceryl-3 Polyricinoleate	Elementis
3.00	Sunboost ATB Natural	Argania Spinosa Kernel Oil (And) Tocopheryl Acetate (And) Bisabolol	Kobo Products
<b>Part 2</b>			
2.00	Plandool™-G (Non-GMO)	Bis-Behenyl/Isostearyl/Phytosteryl Dimer Dilinoleyl Dimer Dilinoleate	Nippon Fine Chemical/Kobo Products
<b>Part 3</b>			
43.50	NHP60MZ8SG	Zinc Oxide (And) C13-15 Alkane (And) Stearoyl Glutamic Acid (And) Polyhydroxystearic Acid	Kobo Products
<b>Part 4</b>			
26.00	P.water	Deionized Water	x
3.00	Dub Diol	Methylpropanediol	Stearinerie Dubois
1.00	Mg Sulfate Hept	Magnesium Sulfate Heptahydrate	Fisher Scientific
0.50	Symdiol 68	1,2-Hexanediol (And) Caprylyl Glycol	Symrise
0.50	Symsave H	Hydroxyacetophenone	Symrise
<b>Part 5</b>			
2.00	MSS-500/N	Silica	Kobo Products
0.35	Fragrance	Fragrance	Symrise
100.00			

## Description:

A fluid sunscreen formulated to have a high natural origin index with a pleasant and refreshing feel upon application.

NHP60MZ8SG is a natural Zinc Oxide dispersion with small particle size providing better UVA and UVB protection, and minimal whitening. Sunboost ATB natural helps boost SPF. MSS-500/N provides non-tacky feel and an elegant silky texture. Plandool™-G (Non-GMO), a plant-derived lanolin alternative is an ester that provides water holding properties thus ensuring moisture retention.

## Manufacturing Procedure:

1. Add Part 1 and homogenise under high sheer 5000rpm for 15 minutes.
2. Add Part 2 and heat to 50 degrees C. Mix until homogeneous and remove from heat.
3. Add Part 3 and homogenise for another 5 minutes.
4. Prepare Part 4. Emulsify under prop stirrer at 1000rpm
5. Homogenise after emulsification at 3000rpm for 2-3 minutes.
6. Add Part 5 under prop stirrer, mix until homogeneous.

## Active Ingredient(s):

Zinc Oxide 24.80%

## Testing:

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



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KLF-253A

# O/W Liquid ASG Foundation with KOBPEARL® PERPETUAL IO

%	INGREDIENT	INCI NAME	SUPPLIER
<b>Part 1</b>			
10.00	Jeechem CTG	Caprylic/Capric Triglyceride	Jeen International
3.00	Dermofat 4919	Stearic Acid	Alzo International
1.50	Lipo® GMS-450	Glyceryl Stearate	Vantage
0.50	Lipocol® C	Cetyl Alcohol	Vantage
<b>Part 2</b>			
7.50	<b>BTD-ASG2</b>	Titanium Dioxide (And) Stearoyl Glutamic Acid	<b>Kobo Products</b>
1.00	<b>BYO-ASG3</b>	Iron Oxides (CI 77492) (And) Stearoyl Glutamic Acid	<b>Kobo Products</b>
0.30	<b>BRO-ASG3</b>	Iron Oxides (CI 77491) (And) Stearoyl Glutamic Acid	<b>Kobo Products</b>
0.20	Bentone® 38 V CG	Disteardimonium Hectorite	Essential Ingredients
0.20	<b>BBO-ASG3</b>	Iron Oxides (CI 77499) (And) Stearoyl Glutamic Acid	<b>Kobo Products</b>
<b>Part 3</b>			
66.25	Deionized Water	Water	
5.00	Butylene Glycol	Butylene Glycol	Ruger Chemical
2.00	<b>KOBPEARL® PERPETUAL IO RoseGold</b>	Synthetic Fluorphlogopite (And) Iron Oxides (CI 77491) (And) Silica	<b>Kobo Products</b>
1.30	JEECID® CAP-7	Caprylyl Glycol (and) Glyceryl Laurate (and) Glyceryl Undecylenate	Jeen International
1.00	Triethanolamine 99	Triethanolamine	Dow Chemical
0.25	Keltrol® CG	Xanthan Gum	CP Kelco
<b>100.00</b>			

## Description:

A medium, buildable-coverage, soft matte liquid foundation with luminous 3D glow that improves skin's look. This water-based foundation contains pigments with ASG Amino Acid treatment that aid in pigment dispersion and provide a creamy feel to the formula. KOBPEARL® PERPETUAL IO RoseGold gives color travel effect, luster, and shine.

## Manufacturing Procedure:

1. Combine Part 1 ingredients and mix well.
2. Blend Part 2 well, until color is fully developed.
3. Add Part 2 to Part 1. Mix well.
4. Heat Parts 1 and 2 together to 80°C.
5. Pre-mix Xanthan Gum and Butylene Glycol and add to water. Add the remaining ingredients in Part 3 to the water. Heat Part 3 to 80°C.
6. Slowly add Parts 1 and 2 to Part 3 under homogenization. Homogenize 10 minutes after emulsification.
7. Move batch back to propeller and cool down to 45°C while mixing.



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KLF-300-EU

# Water-Fresh Foundation with INBP, Silicone-Free, Cold Process

%	INGREDIENT	INCI NAME	SUPPLIER
<b>Part 1</b>			
15.00	Dub ININ	Isononyl Isononanoate	Dub ININ
9.00	INBP70U	Titanium Dioxide (And) Isononyl Isononanoate (And) Isopropyl Myristate (And) Stearalkonium Hectorite (And) Isopropyl Titanium Triisostearate (And) Propylene Carbonate (And) Polyhydroxystearic Acid	Kobo Products
5.00	Dub SSIC	Isocetyl Stearoyl Stearate	Stearinerie Dubois
3.00	Polyaqual VO4	Polyglyceryl-4 Oleate (And) Polyglyceryl-6 Oleate (And) Polyhydroxystearic Acid	DKSH
2.50	INBP55EY	Iron Oxides (CI 77492) (And) Isononyl Isononanoate (And) Isopropyl Myristate (And) Stearalkonium Hectorite (And) Polyhydroxystearic Acid (And) Isopropyl Titanium Triisostearate (And) Propylene Carbonate	Kobo Products
1.20	Garamite 7308 XR	Quaternium-90 Sepiolite (And) Quaternium-90 Montmorillonite	Eckart
0.40	INBP75ER	Iron Oxides (CI 77491) (And) Isononyl Isononanoate (And) Isopropyl Myristate (And) Stearalkonium Hectorite (And) Polyhydroxystearic Acid (And) Isopropyl Titanium Triisostearate (And) Propylene Carbonate	Kobo Products
0.20	INBP75EB	Iron Oxides (CI 77499) (And) Isononyl Isononanoate (And) Isopropyl Myristate (And) Stearalkonium Hectorite (And) Polyhydroxystearic Acid (And) Isopropyl Titanium Triisostearate (And) Propylene Carbonate	Kobo Products
<b>Part 2</b>			
56.00	Deionized Water	Water	
2.00	Glycerin	Glycerin	Interchimie
1.50	Mg Sulfate Hept	Magnesium Sulphate Heptahydrate	Fisher Scientific
0.70	SymDiol® 68	1,2-Hexanediol (And) Caprylyl Glycol	Schulke
0.50	Sensiva PA 40	Phenylpropanol (and) Propanediol (and) Caprylyl Glycol (and) Tocopherol	Schulke
<b>Part 3</b>			
2.00	CELLULOBEADS D-10-NPC2	Cellulose (And) Hydrogenated Lecithin	Kobo Products
1.00	MSS-500/N	Silica	Kobo Products
100.00			

## Description:

This is a medium coverage w/o foundation with a water fresh application. It is cold process and very easy to manufacture, with nearly 60% of aqueous phase. The formula contains INBP dispersions of pigmentary TiO<sub>2</sub> and iron oxides for easy and reproduceable color matching. CELLULOBEADS D-10-NPC2 and MSS-500/N are used in combination to provide a soft focus effect and pleasant sensory experience.

## Manufacturing Procedure:

1. Add Part 1 ingredients sequentially with mixing under proper stirrer.
2. Prepare Part 2 and mix until homogeneous.
3. Add Part 2 to Part 1 under mixing with prop stirrer at 1000rpm.
4. Move to homogenizer and homogenize for 3 minutes at 3000 rpm using the round hole head.
5. Add Part 3 under prop mixing.



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KLF-313A-EU

# Clean Beauty Glide-On Foundation Stick with ASGP's

%	INGREDIENT	INCI NAME	SUPPLIER
<b>Part 1</b>			
31.34	Emotion Light	Tripelargonin	Roelmi HPC
26.00	Dub Zenoat	Propanediol Dicaprylate	Stearinerie Dubois
10.29	<b>BTD-ASGP3</b>	Titanium Dioxide (And) Stearoyl Glutamic Acid (And) Polyhydroxystearic Acid	<b>Kobo Products</b>
2.42	<b>BWYO-ASGP3</b>	Iron Oxides (CI 77492) (And) Stearoyl Glutamic Acid (And) Polyhydroxystearic Acid	<b>Kobo Products</b>
2.00	Plurol Diisostearique	Polyglyceryl-3 Diisostearate	Gattefosse
0.80	Garamite 7308 XR	Quaternium-90 Sepiolite (And) Quaternium-90 Montmorillonite	Eckart/BYK
0.72	<b>BWRO-ASGP3</b>	Iron Oxides (CI 77491) (And) Stearoyl Glutamic Acid (And) Polyhydroxystearic Acid	<b>Kobo Products</b>
0.60	Sensiva PA 40	Phenylpropanol (And) Propanediol (And) Caprylyl Glycol (And) Tocopherol	Schuelke
0.43	<b>BWBO-ASGP3</b>	Iron Oxides (CI 77499) (And) Stearoyl Glutamic Acid (And) Polyhydroxystearic Acid	<b>Kobo Products</b>
<b>Part 2</b>			
3.90	Sunflower Wax	Helianthus Annus (Sunflower) Seed Wax	Koster Keunen
3.00	Dub PTB	Pentaerythrityl Tetrabenenate	Stearinerie Dubois
2.00	Kesterwax K82H	C20-40 Alkyl Stearate	Koster Keunen
<b>Part 3</b>			
7.00	<b>CELLULOBEADS D-10-NPC2</b>	Cellulose (And) Hydrogenated Lecithin	<b>Kobo Products</b>
7.00	<b>MSS-500/N</b>	Silica	<b>Kobo Products</b>
1.50	<b>MSS-500/3H</b>	Silica	<b>Kobo Products</b>
1.00	<b>KoboMica SM-08</b>	Synthetic Fluorophlogopite	<b>Kobo Products</b>
<b>100.00</b>			

## Description:

An easy-to-use, waterless foundation containing all vegetal and mineral origin ingredients. ASGP treated pigments can be well dispersed at low energy, adding to the environmentally-friendly credentials of the formulation, whilst ensuring a homogeneous lay down, good skin adhesion and lot-to-lot color consistency in production. Mineral microspheres MSS-500/N and MSS-500/3H contribute to weightless application and good payoff as well as soft focus effects on the skin. CELLULOBEADS D-10-NPC2, a 10 micron Cellulose microsphere with Hydrogenated Lecithin treatment which renders it more creamy, contributes softness and creaminess to the stick. KoboMica SM-08 used at 1% adds subtle illumination.

## Manufacturing Procedure:

1. Prepare Part 1 by dispersing ASGP treated pigments in liquid emollients.
2. Add Part 2, heat to 95° C, add Part 3 ingredients mix till homogeneous.
3. Pour into containers at 85° C and leave to cool at RT.



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KLF-350-EU

# Balmy High Coverage Foundation

## Satin Glow finish

%	INGREDIENT	INCI NAME	SUPPLIER
<b>Part 1</b>			
12.00	Neossance Hemisqualane	C13-15 Alkane	Amyris
10.40	Emotion Light	Tripelargonin	Roelmi HPC
10.00	Bentone Luxe XO	C13-15 Alkane (And) Distearidimonium Hectorite (And) Polyglyceryl-3 Polyricinoleate	Elementis
2.00	SunBoost ATB	Argania Spinosa Kernel Oil (And) Tocopheryl Acetate (And) Bisabolol	Kobo Products
<b>Part 2</b>			
25.00	ZnO-C-ASG3J	Zinc Oxide (And) Stearoyl Glutamic Acid	Kobo Products
<b>Part 3</b>			
9.00	BTD-ASGP3	Titanium Dioxide (And) Stearoyl Glutamic Acid (And) Polyhydroxystearic Acid	Kobo Products
2.00	BWYO-ASGP3	Iron Oxides (CI 77492) (And) Stearoyl Glutamic Acid (And) Polyhydroxystearic Acid	Kobo Products
0.40	BWRO-ASGP3	Iron Oxides (CI 77491) (And) Stearoyl Glutamic Acid (And) Polyhydroxystearic Acid	Kobo Products
0.20	BWBO-ASGP3	Iron Oxides (CI 77499) (And) Stearoyl Glutamic Acid (And) Polyhydroxystearic Acid	Kobo Products
<b>Part 4</b>			
19.00	P.water	Deionized Water	x
5.00	Dub Diol	Methylpropanediol	Stearinerie Dubois
1.50	Mg Sulfate Hept	Magnesium Sulfate Heptahydrate	Fisher Scientific
0.50	Lexguard Natural MB	Glyceryl Caprylate (And) Glyceryl Undecylenate	Inolex
<b>Part 5</b>			
3.00	Kobo SMC-BNCS6	Silica (And) Boron Nitride (And) Cellulose	Kobo Products
100.00			

## Description:

A silicone-free, cold-process, balmy foundation with high and even coverage. The glossy emulsion and gelled texture is perfect for a foundation presented in jar packaging. Despite the high viscosity, formula has great extendability and cashmere soft feel during application. Despite high coverage, it has a satin glow finish. It contains Kobo's ASGP-treated pigments, which disperse easily in the selected emollients giving the deep and rich colour to the formula.

ZnO-C-ASG3J, a natural origin, ASG-treated, non nano ZnO has improved dispersibility and compatibility in the formulation, providing broad spectrum UV protection. Additionally, SunBoost ATB Natural helps boost UV protection through a proprietary ratio of anti-oxidant, anti-irritant and anti-inflammatory agents. Kobo SMC-BNCS6 is a polymer microsphere replacement that provides benefits of softness and tactility; it gives spreadability and good adherence for long-lasting slip, and a great creamy feel.

## Manufacturing Procedure:

1. Mix Part 1 under homogeniser at 5000 RPM for 5 minutes to ensure a homogenous mixture.
2. Add Part 2 and homogenise for another 10 minutes.
3. Add Part 3 and keep homogenising until powder pigments have developed.
4. Make emulsion by adding Part 4 under propeller stirrer at 1000 RPM. Once all the water is taken in, homogenise under Silverson round hole head at 3000 RPM for 3 minutes.
6. Add Part 5 under propeller stirrer.

## Active Ingredient(s):

Zinc Oxide 24.25%



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KLF-353-EU

# Easy-Breezy Tinted Moisturizer

%	INGREDIENT	INCI NAME	SUPPLIER
<b>Part 1</b>			
6.00	GLW75PFSP	Titanium Dioxide (And) Water (And) Glycerin (And) Sodium Polyacrylate (And) Cellulose Gum	Kobo Products
4.00	GLW45GYSP	Iron Oxides (CI 77492) (And) Water (And) Glycerin (And) Sodium Polyacrylate (And) Cellulose Gum	Kobo Products
4.00	Glycerin	Glycerin	Univar
0.70	GLW55GRSP	Iron Oxides (CI 77491) (And) Water (And) Glycerin (And) Sodium Polyacrylate (And) Cellulose Gum	Kobo Products
0.25	GLW60GBSP	Iron Oxides (CI 77499) (And) Water (And) Glycerin (And) Sodium Polyacrylate (And) Cellulose Gum	Kobo Products
<b>Part 2</b>			
59.45	P. Water	Aqua	x
1.60	Carbopol Aqua SF-1 OS Polymer	Acrylates Copolymer	Lubrizol
0.60	Euxyl PE 9010	Phenoxyethanol (And) Ethylhexylglycerin	Schulke
0.40	Symdiol 68	1,2-Hexanediol (And) Caprylyl Glycol	Symrise
<b>Part 3</b>			
4.00	Surfacare ARC 165	Glyceryl Stearate (and) Peg-100 Stearate	Surfachem
4.00	Dub ININ	Isonoyl Isononanoate	Stearinerie Dubois
3.00	Dub B1215	C12-15 Alkyl Benzoate	Stearinerie Dubois
3.00	Dermol 818	Ethylhexyl Stearate	Alzo International
3.00	Witarix MCT 60/40	Caprylic/Capric Triglyceride	Fisher Scientific
2.00	Dermofat 4919	Stearic Acid	Alzo International
1.50	Waxenol 816	Cetyl Palmitate	Alzo International
1.50	Lanette O	Cetearyl Alcohol	BASF
1.00	BRB DM 100	Dimethicone	BRB International
100.00			

## Description:

This is a simple Oil-in-Water Tinted Moisturizer that makes use of Kobo's Dispersion Technology. The GLW dispersions used in this formula are aqueous dispersions in glycerin and water. They are a simple way to incorporate colour and skin tone evening effects into skin care formulas that are typically o/w emulsions.

## Manufacturing Procedure:

1. Prepare Part 1 and set aside.
2. Prepare Parts 2 and add to Part 1 and heat to 85 degrees C.
3. Prepare Part 3 and heat to 85 degrees C
4. Add Part 3 to Part 1+2 to emulsify under homogeniser.
5. Move to propeller mixer, cool with gentle stirring. Adjust pH to 6.8 with NaOH solution when cooled to RT.



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KLF-360-EU

# Clean Beauty Fluid Foundation with Superdispersible Pigments

%	INGREDIENT	INCI NAME	SUPPLIER
<b>Part 1</b>			
15.14	Neossance Hemisqualene	C13-C15 Alkane	Centerchem
8.95	MASESTER E6000	Caprylic/Capric Triglyceride	Ampak Company
4.73	Emotion Light	Tripelargonin	Roelmi HPC
4.00	Bentone Luxe XO	C13-15 Alkane (And) Distearidimonium Hectorite (And) Polyglyceryl-3 Polyricinoleate	Elementis
3.00	Olivem 2090 G	Polyglyceryl-4 Oleate (and) Polyglyceryl-3 Polyricinoleate	Hallstar Beauty
<b>Part 2</b>			
9.35	<b>BTD-ASGP3</b>	Titanium Dioxide (And) Stearoyl Glutamic Acid (And) Polyhydroxystearic Acid	<b>Kobo Products</b>
2.20	<b>BWYO-ASGP3</b>	Iron Oxides (CI 77492) (And) Stearoyl Glutamic Acid (And) Polyhydroxystearic Acid	<b>Kobo Products</b>
0.66	<b>BWRO-ASGP3</b>	Iron Oxides (CI 77491) (And) Stearoyl Glutamic Acid (And) Polyhydroxystearic Acid	<b>Kobo Products</b>
0.40	<b>BWBO-ASGP3</b>	Iron Oxides (CI 77499) (And) Stearoyl Glutamic Acid (And) Polyhydroxystearic Acid	<b>Kobo Products</b>
<b>Part 3</b>			
41.00	P. water	Deionized Water	
4.00	DUB DIOL	Methylpropanediol	Stearinerie Dubois
0.80	NaCl	Sodium Chloride	Fisher Scientific
0.80	Mg Sulfate Hept	Magnesium Sulphate Heptahydrate	Fisher Scientific
0.50	SymDiol® 68	1,2-Hexanediol (and) Caprylyl Glycol	Symrise
0.40	Symsave® H	Hydroxyacetophenone	Symrise
0.07	Kelco-Care™ diutan gum	Sphingomonas Ferment Extract	CP Kelco
<b>Part 4</b>			
2.00	<b>GMS-ASG3</b>	Mica (And) Stearoyl Glutamic Acid	<b>Kobo Products</b>
2.00	<b>CELLULOBEADS D-5-ASG3</b>	Cellulose (And) Stearoyl Glutamic Acid	<b>Kobo Products</b>
<b>100.00</b>			

## Description:

A medium coverage liquid foundation formula with high naturalness, also silicone and microplastic free, that has a lovely sensory and gives an even coverage and glowy finish on the skin. Suitable for pump applicator. We have used our super dispersible pigments with ASGP surface treatment that renders pigments hydrophobic and makes it easy to disperse without any high shear capabilities. We have also used CELLULOBEADS D-5-ASG3 and GMS-ASG3, which are stearyl glutamic acid coated cellulose and mica respectively. These powders together impart creaminess, improve the texture and feel of the foundation.

## Manufacturing Procedure:

1. Combine Part 1 and homogenise under Silverson square hole head for 5 min at 5000 RPM.
2. Add Part 2 to Part 1 and homogenise at 5000 RPM 3-5 min to disperse pigments
3. Prepare Part 3. Emulsify under propeller stirrer at 1000 RPM. Once all water is taken in homogenise at 5000 RPM for 5 min with square hole head.
4. Add powders of Part 4 under propeller stirring.



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KLF-361-EU

# Matte Finish D5 Free Foncealer

%	INGREDIENT	INCI NAME	SUPPLIER
<b>Part 1</b>			
16.00	<b>DIM2SB65CSI</b>	Titanium Dioxide (And) Dimethicone (And) PEG/PPG-18/18 Dimethicone (And) Triethoxycaprylylsilane (And) Disteardimonium Hectorite	<b>Kobo Products</b>
10.00	BRB DM 2	Dimethicone	BRB International
5.00	Harmonie Soft	C9-12 Alkane	Momentive
5.00	Bentone Gel VS1 V	Trisiloxane (and) Disteardimonium Hectorite (and) Triethyl Citrate	Elementis
5.00	Purolan IDD	Isododecane	Lanxess
2.50	<b>DIM2SB45EYSI</b>	Iron Oxides (CI 77492) (And) Dimethicone (And) PEG/PPG-18/18 Dimethicone (And) Triethoxycaprylylsilane (And) Disteardimonium Hectorite	<b>Kobo Products</b>
0.90	<b>DIM2SB55ERSI</b>	Iron Oxides (CI 77491) (And) Dimethicone (And) PEG/PPG-18/18 Dimethicone (And) Triethoxycaprylylsilane (And) Disteardimonium Hectorite	<b>Kobo Products</b>
0.50	<b>DIM2SB60EBSI</b>	Iron Oxides (CI 77499) (And) Dimethicone (And) PEG/PPG-18/18 Dimethicone (And) Triethoxycaprylylsilane (And) Disteardimonium Hectorite	<b>Kobo Products</b>
<b>Part 2</b>			
4.00	KF-6038	Lauryl PEG-9 Polydimethylsiloxyethyl Dimethicone	Shin Etsu
4.00	<b>KOBOGUARD® MQ75ETS</b>	Trimethylsiloxy silicate (And) Ethyl Trisiloxane	<b>Kobo Products</b>
2.00	KSG-320	PEG-15/Lauryl Dimethicone Crosspolymer	Shin Etsu
<b>Part 3</b>			
36.10	P.water	Deionized Water	x
4.30	Butylene Glycol	Butylene Glycol	Univar
1.20	Mg Sulfate Hept	Magnesium Sulphate Heptahydrate	Symrise
1.00	SymDiol® 68	1,2 Hexanediol (and) Caprylyl Glycol	Symrise
<b>Part 4</b>			
2.50	<b>EXCEBEADS™ CS-725</b>	Silica	<b>Kobo Products</b>
<b>100.00</b>			

## Description:

This foundation-concealer hybrid combines the lightweight and easy spreading texture of a foundation with coverage and adhesion required from a concealer. It can built up to great hiding power where needed. Doesn't settle into lines but makes pores disappear. Formula dries quickly and provides a matt finish despite being D5 free. DIM2SB dispersions with 2 ct Dimethicone carrier are easily incorporated into external phase of the emulsion. KOBOGUARD MQ75ETS provides adhesion and buildability. EXCEBEADS™ CS-725 imparts a smooth and soft end feel.

## Manufacturing Procedure:

1. Prepare Part 1 in the main beaker by adding the ingredients in sequence, mix under propeller mixer. Add Part 2 into the main beaker and mix until uniform.
2. Prepare Part 3 in a side beaker.
3. Make the emulsion by adding 3 to 1+2 under prop stirrer. Start at 800 rpm, gradually increase to 1000 rpm. Homogenise 3000rpm for 5min.
4. Add Phase 4 and mix until homogenous.
5. Keep stirring for another 15 mins at 800 rpm (without creating a vortex).



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KSL-378A-EU

# Tinted Sunscreen with IR Protection



%	INGREDIENT	INCI NAME	SUPPLIER
<b>Part 1</b>			
28.05	Deionized Water	Water	
1.50	Sodium Chloride	Sodium Chloride	Fisher
<b>Part 2</b>			
4.00	Glycerin	Glycerin	Interchimie
0.25	Keltrol® CG	Xanthan Gum	CP Kelco
<b>Part 3</b>			
19.00	<b>HBQP75FZS</b>	Zinc Oxide (And) Butyloctyl Salicylate (And) Polyhydroxystearic Acid (And) Triethoxycaprylylsilane	<b>Kobo Products</b>
14.00	<b>GCP45TV</b>	Caprylic/Capric Triglyceride (And) Titanium Dioxide (And) Stearic Acid (And) Aluminum Hydroxide (And) Polyhydroxystearic Acid	<b>Kobo Products</b>
10.00	Tegosoft® AC	Isoamyl Cocoate	Evonik
5.00	<b>TiO2-IR300-ASG3</b>	Titanium Dioxide (And) Stearoyl Glutamic Acid	<b>Kobo Products</b>
4.00	Tegosoft® TN	C12-15 Alkyl Benzoate	Evonik
3.00	<b>SunBoost ATB</b>	Argania Spinosa Kernel Oil (And) Tocopheryl Acetate (And) Bisabolol	<b>Kobo Products</b>
1.50	<b>GCB60USG</b>	Titanium Dioxide (And) Caprylic/Capric Triglyceride (And) Isopropyl Myristate (And) Stearoyl Glutamic Acid (And) Stearalkonium Hectorite (And) Trihydroxystearin (And) Propylene Carbonate	<b>Kobo Products</b>
1.00	<b>GCB50YSG</b>	Iron Oxides (CI 77492) (And) Caprylic/Capric Triglyceride (And) Isopropyl Myristate (And) Stearoyl Glutamic Acid (And) Stearalkonium Hectorite (And) Trihydroxystearin (And) Propylene Carbonate	<b>Kobo Products</b>
0.15	<b>GCB65RSG</b>	Iron Oxides (CI 77491) (And) Caprylic/Capric Triglyceride (And) Isopropyl Myristate (And) Stearoyl Glutamic Acid (And) Stearalkonium Hectorite (And) Trihydroxystearin (And) Propylene Carbonate	<b>Kobo Products</b>
0.05	<b>GCB70BSG</b>	Iron Oxides (CI 77499) (And) Caprylic/Capric Triglyceride (And) Isopropyl Myristate (And) Stearoyl Glutamic Acid (And) Stearalkonium Hectorite (And) Trihydroxystearin (And) Propylene Carbonate	<b>Kobo Products</b>
<b>Part 4</b>			
4.00	Dehymuls® PGPH	Polyglyceryl-2 Dipolyhydroxystearate	BASF
1.00	Olivem® 900	Sorbitan Olivatate	Hallstar
0.50	Lipex® Shea Tris	Shea Butter	AAK
<b>Part 5</b>			
2.00	<b>ASO-I2</b>	Aluminum Starch Octenylsuccinate (And) Isopropyl Titanium Triisostearate	<b>Kobo Products</b>
1.00	Symdiol® 68	1,2-Hexanediol (And) Caprylyl Glycol	Symrise
<b>100.00</b>			

## Description:

This tinted sunscreen has a gel-like texture and provides UVA/UVB and IR Protection. It features a combination of GCP45TV, a natural dispersion of attenuation grade TiO<sub>2</sub>, and HBQP75FZS, a ZnO dispersion with a booster to optimize UV protection. SunBoost ATB adds anti-inflammatory, anti-irritant and anti-oxidant properties to the formulation, and TiO<sub>2</sub>-IR300-ASG3 provides IR protection. GCB Pigmentary dispersions give a tint to this sunscreen product and ASO-I2 offers a uniform application and creamy after feel.

## Manufacturing Procedure:

1. Pre-mix Part 2 and add to Part 1. Heat to 80°C.
2. Pre-mix Part 3 and mix until homogeneous using a propeller. Add Part 4 to Part 3 and mix while heating to 80°C.
3. Add Parts 1 and 2 to Parts 3 and 4 slowly while propeller mixing.
4. Homogenize at 7000 rpm for 5 minutes.
5. Add Part 5 and mix well with the propeller.
6. Cool to room temperature with continued propeller mixing.

## Active Ingredient(s):

Titanium Dioxide	5.30%
Zinc Oxide	13.70%

## Testing:

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



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KBL-039A-EU

# Fresh Glow Blush Stick

%	INGREDIENT	INCI NAME	SUPPLIER
<b>Part 1</b>			
43.27	Emotion Light	Tripelargonin	Roelmi HPC
18.00	DUB SSIC	Isocetyl Stearoyl Stearate	Stearinerie Dubois
7.14	<b>KOBOGUARD® NATURAL 3000-CCT70</b>	Glyceryl Hydrogenated Rosinate (And) Caprylic/Capric Triglyceride	<b>Kobo Products</b>
2.86	Masester E6000	Caprylic/Capric Triglyceride	Ampak Company
2.00	Plurol Diisostearique	Polyglyceryl-3 Diisostearate	Gattefosse
0.60	Symdiol 68	1,2-Hexanediol (And) Caprylyl Glycol	Symrise
0.56	<b>RED 28AL C-ASGP7</b>	Red 28 Lake (And) Stearoyl Glutamic Acid (And) Polyhydroxystearic Acid	<b>Kobo Products</b>
0.22	<b>BWRO-ASGP3</b>	Iron Oxides (CI 77491) (And) Stearoyl Glutamic Acid (And) Polyhydroxystearic Acid	<b>Kobo Products</b>
0.15	<b>YELLOW 5AL-ASGP7</b>	Yellow 5 Lake (And) Stearoyl Glutamic Acid (And) Polyhydroxystearic Acid	<b>Kobo Products</b>
<b>Part 2</b>			
6.00	Sunflower wax	Helianthus Annuus Seed Wax	Koster Keunen
4.00	DUB PTB	Pentaerythrityl Tetrabenenate	Stearinerie Dubois
2.00	Kesterwax K82H	C20-40 Alkyl Stearate	Koster Keunen
<b>Part 3</b>			
3.20	<b>MSS-500/N</b>	Silica	<b>Kobo Products</b>
3.00	<b>CELLULOBEADS D-10-NPC2</b>	Cellulose (And) Hydrogenated Lecithin	<b>Kobo Products</b>
3.00	<b>KOBOPEARL® EF-8</b>	Mica (And) Titanium Dioxide (And) Barium Sulfate	<b>Kobo Products</b>
2.00	<b>KTZ® CLASSIC WHITE</b>	Mica (And) Titanium Dioxide	<b>Kobo Products</b>
2.00	<b>MSS-500/3H</b>	Silica	<b>Kobo Products</b>
<b>100.00</b>			

## Description:

This is a glide-on blush formula that imparts a sheer, rosy glow to the cheeks with a non sticky, non oily texture. The ASGP treated pigments have been selected for their low energy dispersibility.

The formula also contains KOBOGUARD® NATURAL 3000-CCT70, an oil soluble film former to enhance the longevity of the formula on the skin. MSS-500/N, a non-absorbing silica microsphere helps to improve the glide and CELLULOBEADS D-10-NPC2, cellulose with hydrogenated lecithin treatment helps to achieve a creamy texture. MSS-500/3H has been used here to support the structure of the stick and to prevent sweating. KOBOPEARL® EF-8 and KTZ® CLASSIC WHITE both contribute a high reflective finish that is perceived as a fresh, dewy effect on the skin.

## Manufacturing Procedure:

1. Combine Part 1 ingredients in sequence and homogenise under Silverson Square head at 5000 RPM for around 1 minute.
2. Add Part 2 and heat up to 90 degrees Celsius, add Part 3 and mix until homogenous.
3. Pour into containers at 85 degrees Celsius and leave to cool at RT.



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KPP-119A

# Caramel Pressed Powder

%	INGREDIENT	INCI NAME	SUPPLIER
<b>Part 1</b>			
43.87	<b>TALC AJM</b>	Talc	<b>Kobo Products</b>
30.00	<b>GMS-I2</b>	Mica (And) Isopropyl Titanium Triisostearate	<b>Kobo Products</b>
10.46	<b>BTD-401</b>	Titanium Dioxide (CI 77891) (And) Isopropyl Titanium Triisostearate	<b>Kobo Products</b>
4.50	<b>BYO-I2</b>	Iron Oxides (CI 77492) (CI 77492) (And) Isopropyl Titanium Triisostearate	<b>Kobo Products</b>
2.00	<b>MAGNESIUM MYRISTATE</b>	Magnesium Myristate	<b>Kobo Products</b>
1.95	<b>BRO-I2</b>	Iron Oxides (CI 77491) (And) Isopropyl Titanium Triisostearate	<b>Kobo Products</b>
1.02	<b>BBO-I2</b>	Iron Oxides (CI 77499) (And) Isopropyl Titanium Triisostearate	<b>Kobo Products</b>
0.10	Methylparaben	Methylparaben	International Sourcing
0.10	Propylparaben	Propylparaben	International Sourcing
<b>Part 2</b>			
4.00	Wickenol 155	Ethylhexyl Palmitate	Alzo International Inc.
2.00	Xiameter® PMX-200 Silicone Fluid 20 CS	Dimethicone	Dow Chemical Company
<b>100.00</b>			

## Description:

This silky pressed powder is a perfect match for medium skin tones and delivers a smooth and flawless finish to the face. Key technology is to use ITT treated pigments and natural mica in conjunction with jet milled Talc.

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

## Manufacturing Procedure:

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



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KPP-132B

# Pressed Powder with Superdispersible Treated Pigments

%	INGREDIENT	INCI NAME	SUPPLIER
<b>Part 1</b>			
75.00	<b>SERICITE GMS-4C</b>	Mica	<b>Kobo Products</b>
11.25	<b>BTD-ASGP3</b>	Titanium Dioxide (And) Stearoyl Glutamic Acid (And) Polyhydroxystearic Acid	<b>Kobo Products</b>
2.00	<b>ZINC MYRISTATE (MB)</b>	Zinc Myristate	<b>Kobo Products</b>
1.60	<b>BWYO-ASGP3</b>	Iron Oxides (CI 77492) (And) Stearoyl Glutamic Acid (And) Polyhydroxystearic Acid	<b>Kobo Products</b>
1.40	<b>BWRO-ASGP3</b>	Iron Oxides (CI 77491) (And) Stearoyl Glutamic Acid (And) Polyhydroxystearic Acid	<b>Kobo Products</b>
0.75	<b>BWBO-ASGP3</b>	Iron Oxides (CI 77499) (And) Stearoyl Glutamic Acid (And) Polyhydroxystearic Acid	<b>Kobo Products</b>
<b>Part 2</b>			
2.50	<b>XIAMETER™ PMX-200 Silicone Fluid 20 cSt</b>	Dimethicone	<b>Dow Corning</b>
2.00	<b>XIAMETER™ PMX-200 Silicone Fluid 350 cSt</b>	Dimethicone	<b>Dow Corning</b>
2.00	<b>Lexol® PG-865</b>	Propylene Glycol Dicaprylate/Dicaprate	<b>Inolex</b>
1.00	<b>SS4267</b>	Dimethicone (And) Trimethylsiloxysilicate	<b>Momentive</b>
0.50	<b>Lexgard® O</b>	Caprylyl Glycol	<b>Inolex</b>
<b>100.00</b>			

## Description:

This pressed powder has a creamy feel and hides imperfections with its high coverage. Kobo's ASGP-treated pigments provide the creamy feel, and aid in pressability due to the presence of polyhydroxystearic acid. ZINC MYRISTATE (MB) is used as an additional dry binder. SERICITE GMS-4C provides a glide-on application.

## 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.





KPP-142A-BR

# TiO2 Only Pressed Powder



%	INGREDIENT	INCI NAME	SUPPLIER
<b>Part 1</b>			
39.32	<b>FSL-CSO-NJE5</b>	Calcium Starch Octenylsuccinate (And) Mica (And) Jojoba Esters	<b>Kobo Products</b>
22.00	<b>A15-TIO2-SX-NJE8</b>	Titanium Dioxide (And) Silica (And) Jojoba Esters	<b>Kobo Products</b>
15.00	<b>CARESS® BN06</b>	Boron Nitride	<b>Kobo Products</b>
6.00	<b>CELLULOBEADS D-5-ASG3</b>	Cellulose (And) Stearoyl Glutamic Acid	<b>Kobo Products</b>
6.00	<b>MAGNESIUM MYRISTATE</b>	Magnesium Myristate	<b>Kobo Products</b>
5.00	<b>MT-500B-NJE5-E</b>	Titanium Dioxide (And) Jojoba Esters (And) Stearic Acid	<b>Kobo Products</b>
2.79	<b>BYO-ASG3</b>	Iron Oxides (CI 77492) (And) Stearoyl Glutamic Acid	<b>Kobo Products</b>
0.92	<b>BRO-ASG3</b>	Iron Oxides (CI 77491) (And) Stearoyl Glutamic Acid	<b>Kobo Products</b>
0.47	<b>BBO-ASG3</b>	Iron Oxides (CI 77499) (And) Stearoyl Glutamic Acid	<b>Kobo Products</b>
<b>Part 2</b>			
1.00	<b>T.I.O.</b>	Triethylhexanoin	<b>Ikeda/Kobo Products</b>
1.00	<b>SunBoost ATB</b>	Argania Spinosa Kernel Oil (And) Tocopheryl Acetate (And) Bisabolol	<b>Kobo Products</b>
0.50	<b>OPTIPHEN</b>	Caprylyl Glycol (And) Phenoxyethanol	<b>Ashland</b>
<b>100.00</b>			

## Description:

This Talc-Free SPF 50 Pressed Powder features both FSL-CSO-NJE5 and MAGNESIUM MYRISTATE to give the formula a cream feel and compressibility. The combination of A15-TIO2-SX-NJE8 and MT-500B-NJE gives a balanced SPF 50 with the creamy feel of jojoba ester treatment. ASG Treated Pigments add smooth feel when applied. CARESS® BN06, Boron Nitride, gives superior softness and tactility, superb spreadability, excellent adherence, long lasting effect, and good coverage. CELLULOBEADS D-5-ASG3 provides softness, creaminess and silky feel on the skin. Sunboost ATB provides SPF and UVA boosting effect. T.I.O. provides spreadability.

## Manufacturing Procedure:

1. Mix until complete dispersion of pigments
2. Add one by one and mix until complete homogenization
3. Sift to 212 micrometers
4. Press at 1000psi

## Active Ingredient(s):

Titanium Dioxide 20.88%

## Testing:

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



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KEL-030-EU

# The Simplest Eyeliner in the World

%	INGREDIENT	INCI NAME	SUPPLIER
<b>Part 1</b>			
73.00	Deionized Water	Water	
1.00	Euxyl® PE 9010	Phenoxyethanol (And) Ethylhexylglycerin	Schulke Myer
<b>Part 2</b>			
1.00	Natrosol® 250 HHR CS	Hydroxyethylcellulose	Ashland
<b>Part 3</b>			
25.00	<b>WSJ10CB-NP</b>	Black 2 (And) PEG-40 Hydrogenated Castor Oil (And) Water (And) Acrylates/Ethylhexyl Acrylate Copolymer (And) Aminomethyl Propanol (And) Sodium Dehydroacetate	<b>Kobo Products</b>
100.00			

## Description:

This simple formulation utilizes only 3 raw materials to give a high performance liquid eyeliner. It features Kobo's Carbon Black dispersion, WSJ10CB-NP which provides a deep, intense, black color and sufficient film forming in one raw material. 25% of this dispersion is enough to give the perfect level of blackness, quick drying, full non-transfer properties and a good level of water resistance. The formula does not dissolve in contact with water but rather lifts off in one piece when rubbed with warm water.

## Manufacturing Procedure:

1. Disperse Part 2 in Part 1 until completely clear.
2. Add Part 3 and mix until homogeneous under prop stirrer.
3. Check pH. Adjust pH if necessary with citric acid or sodium hydroxide.



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KMA-107

# Lash Defining Mascara

%	INGREDIENT	INCI NAME	SUPPLIER
<b>Part 1</b>			
43.80	Deionized Water	Water	
1.84	PVP K-30	Poly(Vinyl Pyrrolidone)	Ashland
<b>Part 2</b>			
3.68	Butylene Glycol	Butylene Glycol	Angus Chemical Company
1.00	Natrosol™ 250 HR CS	Hydroxyethylcellulose	Ashland
<b>Part 3</b>			
1.00	TRIS AMINO® ULTRA PC	Tromethamine	Angus Chemical Company
1.00	Botanistat PF-64	Phenoxyethanol (and) Caprylyl Glycol (and) Ethylhexylglycerin (and) Hexylene Glycol	Botanigenics, Inc.
0.20	Dermofeel® PA	Phytic Acid (and) Aqua	Evonik
<b>Part 4</b>			
10.00	<b>BLACK JB</b>	Iron Oxides (CI 77499)	<b>Kobo Products</b>
<b>Part 5</b>			
18.38	<b>KOBOGUARD® MQ75ETS</b>	Trimethylsiloxysilicate (And) Ethyl Trisiloxane	<b>Kobo Products</b>
6.43	<b>KOBOGUARD® HRCC</b>	Hydrogenated Polycyclopentadiene (And) Hydrogenated Castor Oil (And) Copernicia Cerifera (Carnauba) Wax (And) Tocopherol	<b>Kobo Products</b>
4.14	Stearic Acid	Stearic Acid	Protameen Chemicals
4.14	Carnauba Wax #1 Flakes, NF - SP-63	Copernicia Cerifera (Carnauba) Wax	Strahl & Pitch
1.84	TEGIN® M Pellets	Glyceryl Stearate	Evonik - Personal Care
1.00	<b>SunBoost ATB Natural</b>	Argania Spinosa Kernel Oil (And) Tocopheryl Acetate (And) Bisabolol	<b>Kobo Products</b>
0.55	<b>Plandool™-LG4</b>	Phytosteryl/Behenyl/Octyldodecyl Lauroyl Glutamate	<b>Nippon Fine Chemical/Kobo Products</b>
<b>Part 6</b>			
1.00	<b>RAYON FIBER 3.3T-0.8MM(S)</b>	Rayon (And) Silica	<b>Nikko/Kobo Products</b>
<b>100.00</b>			

## Description:

This deep black mascara creates a clean and perfectly defined lash look. BLACK JB imparts the deep black shade. The combination of KOBOGUARD® MQ75ETS, an oil soluble polymer and KOBOGUARD® HRCC, a wax resin composite improves water-, rub- and transfer resistance, enhances adhesion to the lashes and imparts gloss. SunBoost ATB Natural and Plandool™-LG4 moisturize and nourish the lashes. RAYON FIBER 3.3T-0.8MM(S) adds clump free volume and length effect.

## Manufacturing Procedure:

1. In main beaker combine Part 1 under prop mix at 700rpm. Mix until clear.
2. Pre-blend Part 2 then add slurry to Part 1.
3. Add Part 3 under prop mix at 800rpm.
4. Switch to homogenizer and add Part 4 at 3800rpm. Heat to 80-85C.
5. In a side beaker combine Part 5, heat to 80-85C.
6. Add Part 5 to Part 1,2,3,4 under homogenizer at 3800rpm.
7. Switch to sweep mix at 40rpm and cool batch to 25-28C.
8. Add Part 6, sweep mix until uniform.



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KMA-108-EU

# Lash Building Mascara with Biodegradable Fibers

%	INGREDIENT	INCI NAME	SUPPLIER
<b>Part 1</b>			
36.30	Deionised Water	Aqua	x
3.00	Glycerin	Glycerin	Interchemie
2.00	Butylene Glycol	Butylene Glycol	Univar
1.80	TEA 99%	x	x
0.50	Symdiol 68	1,2-Hexanediol (And) Caprylyl Glycol	Symrise
0.50	Symsave H	Hydroxyacetophenone	Symrise
0.40	Avicel PC 611	Microcrystalline Cellulose (and) Cellulose Gum	Schulke
<b>Part 2</b>			
11.00	<b>BWBO-ASGP3</b>	Iron Oxides (CI 77499) (And) Stearoyl Glutamic Acid (And) Polyhydroxystearic Acid	<b>Kobo Products</b>
10.00	Dub SSIC	Isocetyl Stearoyl Stearate	Stearinerie Dubois
<b>Part 3</b>			
4.50	Sunflower Wax	Helianthus Annuus (Sunflower) Seed Wax	Koster Keunen
4.50	DUB PTB	Pentaerythrityl Tetraabenate	Stearinerie Dubois
4.50	Dermofat 4919	Stearic Acid	Alzo International
4.50	Beeswax	Beeswax	Koster Keunen
3.00	Olivem 1000	Cetearyl Olivat, Sorbitan Olivat	Hallstar
<b>Part 4</b>			
1.00	<b>MSS-500/3N</b>	Silica	<b>Kobo Products</b>
<b>Part 5</b>			
12.00	<b>KOBOGUARD® 50AMP-G</b>	Acrylates/Ethylhexyl Acrylate Copolymer (And) Water (And) Aminomethyl Propanol	<b>Kobo Products</b>
0.50	<b>RAYON FIBER 7D-2MM</b>	Rayon	<b>Nikko/Kobo Products</b>
<b>100.00</b>			

## Description:

An oil-in-water emulsion system mascara, that lengthens, defines and creates the appearance of multiplied lashes.

BWBO-ASGP3, a black iron oxide with hydrophobic and superdispersible surface treatment, gives intense black colour.

Cellulose based biodegradable RAYON FIBER 7D-2MM adds length and volume to lashes.

MSS-500/3N, silica microsphere with average particle size 5.5 microns imparts increased payoff and enhanced slip without affecting viscosity.

KOBOGUARD® 50AMP-G is a strong and flexible film former that contributes to the lash building effect and adds water resistance.

## Manufacturing Procedure:

1. Disperse Avicel PC 611 with high shear (square hole, 7000 rpm), then add remaining ingredients.
2. Disperse the pigment in Dub SSIC (5000 RPM, 5-7 min), once dispersed add the Part 3. Heat to 90 degrees C. Also heat A's to 90 degrees C.
3. Form the emulsion by adding Phase B to A under homogenizer, 3000 RPM
4. Add Part 4 at 40 degrees C.
5. Prepare Part 5 and add to the emulsion under 40 degrees C, continue mixing until homogenous and let cool with stirring.



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KLP-317-EU

# Soft Lips Brilliant Natural Lipstick TiO2 Free Nude Shade

%	INGREDIENT	INCI NAME	SUPPLIER
<b>Part 1</b>			
25.80	Schercemol DISD	Diisostearyl Dimer Dilinoleate	Lubrizol
20.00	DUB SSIC	Isocetyl Stearoyl Stearate	Stearinerie Dubois
12.10	Eutanol G	Octyldodecanol	BASF
10.00	Schercemol PTID	Triisostearyl Polyglyceryl-3 Dimer Dilinoleate	Lubrizol
<b>Part 2</b>			
15.00	<b>ZnO-PCC-ASGP4</b>	Zinc Oxide (And) Stearoyl Glutamic Acid (And) Polyhydroxystearic Acid	<b>Kobo Products</b>
1.00	<b>BWYO-ASGP3</b>	Iron Oxides (CI 77492) (And) Stearoyl Glutamic Acid (And) Polyhydroxystearic Acid	<b>Kobo Products</b>
0.90	<b>BWRO-ASGP3</b>	Iron Oxides (CI 77491) (And) Stearoyl Glutamic Acid (And) Polyhydroxystearic Acid	<b>Kobo Products</b>
0.30	<b>BWBO-ASGP3</b>	Iron Oxides (CI 77499) (And) Stearoyl Glutamic Acid (And) Polyhydroxystearic Acid	<b>Kobo Products</b>
<b>Part 3</b>			
1.00	<b>MSS-500/3H</b>	Silica	<b>Kobo Products</b>
<b>Part 4</b>			
6.30	Sunflower Wax	Helianthus Annuus Seed Wax	Koster Keunen
3.50	Lipex SMP	Hydrogenated Vegetable Oil	AAK
2.50	Akofine P	Hydrogenated Vegetable Oil	AAK
1.60	Lipovol GTB	Tribehenin	Vantage
<b>100.00</b>			

## Description:

This nude colored lipstick that glides on the skin easily with a brilliant shine, is TiO2 free! Instead of TiO2, ZnO-PCC-ASGP4 has been used to provide the opacity and whiteness in the nude shade. All the pigments have the ASGP surface treatment which makes them easy to disperse in the liquid phase. There is MSS-500/3H, a silica microsphere which helps to support the structure of the lipstick and also helps in preventing sweating.

## Manufacturing Procedure:

1. Combine Part 1.
2. Add Part 2 and disperse pigments using Silverson Square hole head at 5000 RPM for 3-5 minutes.
3. Add Part 3 and disperse at 3000 RPM for 1 minute.
4. Add Part 4 and heat to 90 degrees C, keep at 90 degrees C for 10 minutes whilst stirring.
5. Pour into moulds at 90 degrees C and refrigerate for 15 minutes.



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KLP-319C-BR

# Comfortable Liquid Lipstick

%	INGREDIENT	INCI NAME	SUPPLIER
<b>Part 1</b>			
31.20	Cetiol® Ultimate	Undecane (and) Tridecane	BASF
14.63	RED 7CA D-ASGP7	Red 7 Lake (And) Stearoyl Glutamic Acid (And) Polyhydroxystearic Acid	Kobo Products
10.65	Eutanol G	Octyldodecanol	BASF
1.00	DICTYOPTERIS OIL	Caprylic/capric triglyceride (and) Dictyopteris membranacea extrac	Innovasell Corporation
<b>Part 2</b>			
10.45	Cera de Candelila	Candelilla (Euphorbia Cerifera) Wax	Engenharia das Essências
4.60	Plandool™-LG1	Phytosteryl/Behenyl/Octyldodecyl Lauroyl Glutamate	Nippon Fine Chemical/Kobo Products
3.95	Cera de Carnauba	Carnauba Wax	Fênix Ceras
0.92	Lexgard® Natural MB	Glyceryl Caprylate (and) Glyceryl Undecylenate	Inolex
<b>Part 3</b>			
6.00	MSS-500/3H	Silica	Kobo Products
3.75	MSS-500/N	Silica	Kobo Products
<b>Part 4</b>			
12.85	KOBOGUARD® NATURAL 3000-NDA70	Glyceryl Hydrogenated Rosinate (And) C9-12 Alkane	Kobo Products
100.00			

## Description:

This is a long wear, matte and comfortable lipstick when applied. RED 7CA D-ASGP7 is an organic pigment treated with Kobo's superdispersible ASGP treatment. This hybrid treatment allows the powders to be dispersed easily with low energy with a creamy feel on skin. Also, this formula contains KOBOGUARD® NATURAL 2063-NDA, a film former of natural origin, that improves product wear. PLANDOOL™-LG1 provide skin barrier moisture protection and water-proofing properties. There are two microspheres in this formula, MSS-500/3H, a silica microsphere which helps to support the structure of the lipstick and also helps in preventing sweating and MSS-500/N, a low absorption silica that contributes to the great velvety feel.

## Manufacturing Procedure:

1. Mix part 1 until complete dispersion of pigments.
2. Add part 2 and heat to 75-80°C while mixing
3. Add Part 3 and mix
4. Add part 4 and mix until complete homogenization



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KLP-326-BR

# Long Wear Dewy Lipstick

%	INGREDIENT	INCI NAME	SUPPLIER
<b>Part 1</b>			
11.50	ISODODECANO	Isododecane	Cosmotec
11.00	BELSIL® TMS 803	Trimethylsiloxy silicate	Wacker
<b>Part 2</b>			
15.00	KF-54	Diphenyl Dimethicone	Shin-Etsu
5.00	DUB VINYL	Dipentaerythryl Pentaisononanoate	FOCUS QUÍMICA
3.50	BENTONE GEL® ISD V	Isododecane (And) Distearidimonium Hectorite (And) Propylene Carbonate	Cosmotec
2.00	JOS10M5	Simmondsia Chinensis (Jojoba) Seed Oil (And) Silica	Kobo Products
1.00	NOMCORT® HK-G	Glyceryl Behenate/Eicosadioate	Ikeda/Kobo Products
<b>Part 3</b>			
13.00	ÁLCOOL ETÍLICO	Alcohol	CAAL
10.00	LUVISET® P.U.R	Polyurethane-1	BASF
<b>Part 4</b>			
19.00	KOBOGUARD® 5400 IDD	Hydrogenated Polycyclopentadiene (And) Isododecane	Kobo Products
<b>Part 5</b>			
1.00	ASO-12	Aluminum Starch Octenylsuccinate (And) Isopropyl Titanium Triisostearate	Kobo Products
<b>Part 6</b>			
8.00	PMLVP40R7D	Isododecane (And) Red 7 Lake (And) Isohexadecane (And) Lecithin (And) Polyhydroxystearic Acid (And) Ethylene/Propylene/Styrene Copolymer (And) Butylene/Ethylene/Styrene Copolymer (And) Isopropyl Titanium Triisostearate	Kobo Products
100.00			

## Description:

This is a liquid lipstick with a comfortable dewy finish and long wear. It features Kobo's KOBOGUARD® 5400 IDD, a film former that offers long wear and water resistance. JOS10M5 is a previously dispersed fumed silica in Jojoba Oil that helps with viscosity and gloss. NOMCORT® HK-G is an oil phase gellant that can also improve formula stability. ASO-12 offers a uniform application and creamy after feel. The PMLVP dispersion range of ITT treated pigments in volatile Isododecane are an ideal choice for this type of formula. Stable, homogeneous, non-sticky, fluid, highly concentrated and fully developed, these dispersions are easily incorporated into the base formula to give great batch-to-batch color reproducibility.

## Manufacturing Procedure:

1. Combine phase 1 ingredients at the main batch and mix until complete solubilization of Trimethylsiloxy silicate.
2. Add phase 2 ingredients at the main batch. Heat up to 70°C while mixing.
3. Combine phase 3 ingredients and add at the main batch. Mix until homogenous.
4. Add phase 4 at the main batch and mix until homogenous.
5. Add phase 5 slowly at the main batch and mix until homogenous.
6. Add phase 6 at the main batch and mix for 5 minutes.



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KLP-333-EU

# High Naturality Non Transfer Liquid Lip Colour

%	INGREDIENT	INCI NAME	SUPPLIER
<b>Part 1</b>			
42.50	Harmonie Soft Fluid	C9-C12 Alkane	Momentive
5.50	Claytone-VP V XR	Quaternium-90 Bentonite	BYK
<b>Part 2</b>			
15.00	<b>KOBOGUARD® NATURAL 3000P</b>	Glyceryl Hydrogenated Rosinate	<b>Kobo Products</b>
5.00	Dub SSIC	Isocetyl Stearoyl Stearate	Stearinerie Dubois
2.00	Olivem 900	Sorbitan Olivatate	Hallstar
2.00	Oliwax	Hydrogenated Olive Oil, Olea Europaea (Olive) Fruit Oil, Olea Europaea	Hallstar
<b>Part 3</b>			
10.90	<b>RED 6BA C-ASGP7</b>	Red 6 Lake (CI 15850) (And) Stearoyl Glutamic Acid (And) Polyhydroxystearic Acid	<b>Kobo Products</b>
4.30	<b>RED 28AL C-ASGP7</b>	Red 28 Lake (And) Stearoyl Glutamic Acid (And) Polyhydroxystearic Acid	<b>Kobo Products</b>
2.30	<b>BWRO-ASGP3</b>	Iron Oxides (CI 77491) (And) Stearoyl Glutamic Acid (And) Polyhydroxystearic Acid	<b>Kobo Products</b>
2.00	<b>ZNO-PCC-ASGP4</b>	Zinc Oxide (And) Stearoyl Glutamic Acid (And) Polyhydroxystearic Acid	<b>Kobo Products</b>
0.50	<b>BWBO-ASGP3</b>	Iron Oxides (CI 77499) (And) Stearoyl Glutamic Acid (And) Polyhydroxystearic Acid	<b>Kobo Products</b>
<b>Part 4</b>			
2.50	<b>MSS-500/3H</b>	Silica	<b>Kobo Products</b>
1.00	<b>Cellulobeads D-5-ASG3</b>	Cellulose (And) Stearoyl Glutamic Acid	<b>Kobo Products</b>
<b>Part 5</b>			
1.50	Propylene Carbonate	Propylene Carbonate	Acros Organics
<b>Part 6</b>			
3.00	<b>K-RAY® SM PERPETUAL GoldRed NT</b>	Synthetic Fluorophlogopite (And) Silica (And) Iron Oxides (CI 77491)	<b>Kobo Products</b>
<b>100.00</b>			

## Description:

An innovative high naturality non transfer liquid lip colour formula that provides homogenous and vibrant colour in one stroke. Formula is characterized by a smooth application and a comfortable long wear without the drying or tightening sensation which is often a problem with products of this type. Formula is free of petroleum derived volatiles and synthetic silicone based film formers that are typically major components of such products. Formula is also TiO2 free and makes use of ZNO-PCC-ASGP4, our pigmentary grade Zinc Oxide for opacity.

The non transfer effect is obtained with the help of KOBOGUARD NATURAL 3000P, a film former with NOI of 1. The ASGP surface treated superdispersible pigments give the intense colour, that are dispersed straight into the oil phase, without having to prepare a milled monochrome dispersion beforehand. Cellulobeads D-5-ASG3 improve the texture of the formula by imparting a creamy feel, while MSS500/3H holds the oils in for increased stability. Lastly, K-RAY® SM PERPETUAL GoldRed NT from our new TiO2 free pearlescent pigments range gives a subtle pearly sheen on the lips.

## Manufacturing Procedure:

1. Heat and melt Part 2 and mix until homogenous. Meanwhile, homogenise Part 1 under Silverson square hole head at 5000 RPM for 14 minutes.
2. Add Part 1 to Part 2 and mix. Add Part 3 and homogenise at 3000 RPM.
3. Add Part 4 and homogenise at 2000 RPM until smooth. Add Propylene carbonate and homogenise at 3000 RPM.
4. Add Part 6 and mix by hand or propeller stirring.



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