

# Natural

## Mineral & Plant-Derived Ingredients

### North America Program



Consumers are paying more attention today to ingredients in cosmetics, and an increasing number prefer natural products because they perceive them as safer and of higher quality. Numerous Natural personal care products are available with more products incorporating natural ingredients in their formulas.

However, the absence of a universal definition for what constitutes a natural ingredient or a natural formula creates ingredient selection challenges for formulators. Several organizations have created their own definitions to meet specific needs.

*Kobo Products offers a wide range of ingredients of natural origin, mineral or plant-based in particular. Kobo defines natural origin products as ingredients that are naturally derived which are likely to have undergone chemical or mechanical processing to make them commercially viable ingredients. We have chosen to certify many of them with ECOCERT/COSMOS, as shown in the tables below.*

## Surface Treatments



### NJE Treatment (Jojoba Ester)

Kobo patented hydrophobic treatment made with long chain Jojoba esters; NJE treated pigments and powders show good pressability; formulas have a creamy feel and strong affinity to the skin.

Name	INCI Name
BTD-NJE2 <b>CE</b>	Titanium Dioxide (And) Jojoba Esters
RBTD-671-NJE2 <b>CE</b>	Titanium Dioxide (And) Jojoba Esters
BBO-NJE2 <b>CE</b>	Iron Oxides (CI 77499) (And) Jojoba Esters
BRO-NJE2 <b>CE</b>	Iron Oxides (CI 77491) (And) Jojoba Esters
BYO-NJE3 <b>CE</b>	Iron Oxides (CI 77492) (And) Jojoba Esters
BEUB-NJE3 <b>CE</b>	Ultramarines (And) Jojoba Ester
<b>New</b> SERICITE FSL-NJE5	Mica (And) Jojoba Esters
GMS-NJE3	Mica (And) Jojoba Esters
KoboMica L-27-NJE2	Mica (And) Jojoba Esters
TALC N-NJE2	Talc (And) Jojoba Esters

Patent # US 8623386 B2 - NJE Treatment Thereof, Natural ester, wax or oil treated pigment, process for production thereof, and cosmetic made therewith

### ASG Treatment (Stearoyl Glutamic Acid)

An amino acid treatment that renders powders hydrophobic and aids in full color development. Imparts a moist feeling on the skin; a creamy feel with good skin adhesion can be expected in powder formulas.

Name	INCI Name
BTD-ASG2 <b>CEP</b>	Titanium Dioxide (And) Stearoyl Glutamic Acid
BBO-ASG3 <b>CEP</b>	Iron Oxides (CI 77499) (And) Stearoyl Glutamic Acid
BRO-ASG3 <b>CEP</b>	Iron Oxides (CI 77491) (And) Stearoyl Glutamic Acid
BYO-ASG3 <b>CEP</b>	Iron Oxides (CI 77492) (And) Stearoyl Glutamic Acid
<b>New</b> BGCO-ASG4	Chromium Oxide Greens (And) Stearoyl Glutamic Acid
<b>New</b> BMV-ASG4	Manganese Violet (CI 77742) (And) Stearoyl Glutamic Acid
GMS-ASG3	Mica (And) Stearoyl Glutamic Acid
MICA S-ASG3	Mica (And) Stearoyl Glutamic Acid
<b>New</b> TALC N-ASG4	Talc (And) Stearoyl Glutamic Acid

### ASL Treatment (Gemini Type Amphiphilic Amino Acid)

Hydrophobic treatment which provides a moisturizing effect on the skin and excellent skin affinity.

Name	INCI Name
ASL-1 MZ-500	Zinc Oxide (And) Sodium Lauroyl Glutamate (And) Lysine (And) Magnesium Chloride
ASL-1 TiO <sub>2</sub> CR-50 <b>CEP</b>	Titanium Dioxide (And) Aluminum Hydroxide (And) Sodium Lauroyl Glutamate (And) Lysine (And) Magnesium Chloride
ASL-1 BLACK BL-100P <b>CEP</b>	Iron Oxides (CI 77499) (And) Sodium Lauroyl Glutamate (And) Lysine (And) Magnesium Chloride
ASL-1 RED R-516P <b>CEP</b>	Iron Oxides (CI 77491) (And) Sodium Lauroyl Glutamate (And) Lysine (And) Magnesium Chloride
ASL-1 YELLOW LL-100P <b>CEP</b>	Iron Oxides (CI 77492) (And) Sodium Lauroyl Glutamate (And) Lysine (And) Magnesium Chloride
ASL-1 SERICITE FSE	Mica (And) Sodium Lauroyl Glutamate (And) Lysine (And) Magnesium Chloride
ASL-1 TALC JA-46R	Talc (And) Sodium Lauroyl Glutamate (And) Lysine (And) Magnesium Chloride

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## Surface Treatments

### SMS Treatment (Glycolipid)

Plant-derived, Ceramide-like Glycolipid treatment. SMS-treated pigments and powders disperse well in both oils and glycols and provide a creamy texture to formulas with excellent skin adhesion.

Name	INCI Name
<b>New</b> SMS-1 TiO <sub>2</sub> R250 <b>CE</b>	Titanium Dioxide (And) Aluminum Hydroxide (And) Glycolipids
<b>New</b> SMS-1 BLACK No.710P <b>CE</b>	Iron Oxides (CI 77499) (And) Glycolipids
<b>New</b> SMS-1 RED No.211P <b>CE</b>	Iron Oxides (CI 77491) (And) Glycolipids
<b>New</b> SMS-2 YELLOW No.602P <b>CE</b>	Iron Oxides (CI 77492) (And) Glycolipids
<b>New</b> SMS-1 SERICITE S <b>CE</b>	Mica (And) Glycolipids
<b>New</b> SMS-1 MICA S <b>CE</b>	Mica (And) Glycolipids
<b>New</b> SMS-1 TALC S <b>CE</b>	Talc (And) Glycolipids

### SIH Treatment (Silica)

Hydrophilic treatment provides less sedimentation in water, low surface activity and brighter colors.

Name	INCI Name
<b>New</b> SIH-5 TiO <sub>2</sub> R250	Titanium Dioxide (And) Silica (And) Aluminum Hydroxide
<b>New</b> SIH-2 BLACK No.710P <b>E</b>	Iron Oxides (CI 77499) (And) Silica
<b>New</b> SIH-2 RED No.211P <b>E</b>	Iron Oxides (CI 77491) (And) Silica
<b>New</b> SIH-2 YELLOW No.602P <b>E</b>	Iron Oxides (CI 77492) (And) Silica

### Magnesium Myristate Treatment (MM)

This is a Natural, Vegetable-derived, Magnesium Myristate Treatment. It has Hydrophobic and Lipophilic properties, is almost odorless. It provides a creamy texture, excellent pressability and good adherence to the skin. It is recommended for use in hot pours and powders.

Name	INCI Name
<b>BBO/MM3</b>	Iron Oxides (CI 77499) (And) Magnesium Myristate
<b>BRO/MM3</b>	Iron Oxides (CI 77491) (And) Magnesium Myristate
<b>BYO/MM3</b>	Iron Oxides (CI 77492) (And) Magnesium Myristate
<b>BTD/MM3</b>	Titanium Dioxide (And) Magnesium Myristate
<b>RBTD/MM3</b>	Titanium Dioxide (And) Magnesium Myristate
<b>BEUB/MM3</b>	Ultramarines (And) Magnesium Myristate
<b>BGCO/MM3</b>	Chromium Oxide Greens (And) Magnesium Myristate
<b>BHG/MM3</b>	Chromium Hydroxide Green (And) Magnesium Myristate
<b>BMV/MM3</b>	Manganese Violet (And) Magnesium Myristate
<b>BUO-JE/MM3</b>	Iron Oxides (And) Talc (And) Magnesium Myristate
<b>New</b> SERICITE FSL-MM3	Mica (And) Magnesium Myristate
<b>GMS/MM3</b>	Mica (And) Magnesium Myristate
<b>MICA S/MM3</b>	Mica (And) Magnesium Myristate
<b>TALC 2000/MM3</b>	Talc (And) Magnesium Myristate
<b>TALC N/MM3</b>	Talc (And) Magnesium Myristate

## Pigmentary Dispersions

Pigmentary grade Iron Oxides and Titanium Dioxide dispersed in natural oils for full color development and ease of use.

Name	INCI Name
<b>New</b> GCG50TRSG	Iron Oxides (CI 77491) (And) Caprylic/Capric Triglyceride (And) Polyglyceryl-3 Diisostearate (And) Stearoyl Glutamic Acid
<b>New</b> GCG50TYSG	Iron Oxides (CI 77492) (And) Caprylic/Capric Triglyceride (And) Polyglyceryl-3 Diisostearate (And) Stearoyl Glutamic Acid
<b>OD75CJE</b> <b>CE</b>	Titanium Dioxide (And) Octyldodecanol (And) Jojoba Esters (And) Trihydroxystearin
<b>OD75BJE</b> <b>CE</b>	Iron Oxides (CI 77499) (And) Octyldodecanol (And) Jojoba Esters (And) Trihydroxystearin
<b>OD75RJE</b> <b>CE</b>	Iron Oxides (CI 77491) (And) Octyldodecanol (And) Jojoba Esters (And) Trihydroxystearin
<b>OD55YJE</b> <b>CE</b>	Iron Oxides (CI 77492) (And) Octyldodecanol (And) Jojoba Esters (And) Trihydroxystearin
<b>New</b> JOH45YJE	Iron Oxides (CI 77492) (And) Simmondsia Chinensis (Jojoba) Seed Oil (And) Jojoba Esters (And) Polyglyceryl-6 Polyricinoleate (And) Silica
<b>New</b> JOH55BJE	Iron Oxides (CI 77499) (And) Simmondsia Chinensis (Jojoba) Seed Oil (And) Jojoba Esters (And) Polyglyceryl-6 Polyricinoleate (And) Silica
<b>New</b> JOH55RJE	Iron Oxides (CI 77491) (And) Simmondsia Chinensis (Jojoba) Seed Oil (And) Jojoba Esters (And) Polyglyceryl-6 Polyricinoleate (And) Silica
<b>New</b> JOH65UJE	Titanium Dioxide (And) Simmondsia Chinensis (Jojoba) Seed Oil (And) Jojoba Esters (And) Polyglyceryl-6 Polyricinoleate (And) Silica

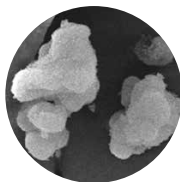


## Microspheres

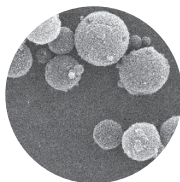
Due to their optical blurring properties these naturally derived spherical powders diminish the look of fine lines on the skin while enhancing the feel of your product.

### Mineral Microspheres

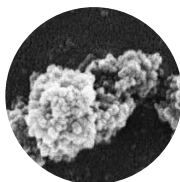
Microspheres made of silica or calcium silicate, ranging in size from 3 to 30 microns. Most present a high oil absorption capacity (except MSS-500/3N and MSS-500/20N) which contribute to oil and sebum control on the skin.



FLORITE PS-10



MSS-500/3H



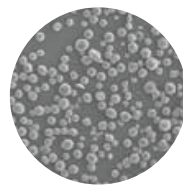
SILICA SHELLS

Name	INCI Name
FLORITE PS-10	Calcium Silicate
FLORITE R	
MSS-500	
MSS-500/20N	
MSS-500/3	Silica
MSS-500/3H	
MSS-500/3N	
MSS-500/H	
MSS-500/N	
MSS-500W <b>CE</b>	
SILICA SHELLS	

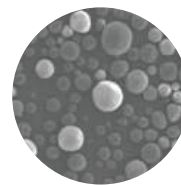
### Treated Microsphere

Cellulose microsphere treated with Hydrogenated Lecithin; offers a creamy texture, moisturizing feel and excellent affinity to the skin. It is hydrophobic, ideal for use in powders and mineral makeup, and can also be used in emulsions.

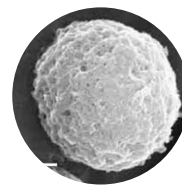
Name	INCI Name
CELLULOBEADS D-10-PC2	Cellulose (And) Hydrogenated Lecithin



CELLULOBEADS D-5



CELLULOBEADS D-30



CELLULOBEADS USF

### Natural Polymer Microspheres

Spherical hydrophilic cellulose, available in a wide range of sizes, from 5 to 50 microns with water and oil absorption capacity. Plant-origin polylactic microspheres.

Name	INCI Name
CELLULOBEADS D-5	Cellulose
CELLULOBEADS D-10 <b>CE</b>	
CELLULOBEADS D-30	
CELLULOBEADS D-50	
CELLULOBEADS USF <b>CE</b>	
CELLULOBEADS D-10(Ti-33)	Cellulose (And) Titanium Dioxide (And) Aluminum Hydroxide
CELLULOBEADS D-10(UB-33)	Cellulose (And) Iron Oxides (CI 77499) (And) Silica
CELLULOBEADS D-10(R-33P)	Cellulose (And) Iron Oxides (CI 77491)
CELLULOBEADS D-10(Y-33P)	Cellulose (And) Iron Oxides (CI 77492)
MAKIBEADS ECO D-5 <b>E</b>	Polylactic Acid
MAKIBEADS ECO D-1	Polylactic Acid (And) Polyglyceryl-5 Laurate

### Microsphere Complex

Powder complex made only of minerals and natural ingredients, using no plastic particles; the ingredients of this complex have complimentary refractive indexes and scatter light in a wide range of formulas.

Name	INCI Name
<b>New</b> KoboBlur™ 100 Natural	Silica (And) Cellulose (And) Mica (And) Barium Sulfate (And) Titanium Dioxide (And) Jojoba Esters

## Sunscreen Technologies

### Micronized TiO<sub>2</sub> & ZnO Dispersions & Powders

Surface treated titanium dioxide and zinc oxide available as powders or dispersed in natural vehicles, for better control of UV-attenuation efficacy and formulation ease.

Name	INCI Name
<b>Powders</b>	
MT-500B-NJE5	Titanium Dioxide (And) Jojoba Esters
ZnO-750-ASG5	Zinc Oxide (And) Stearoyl Glutamic Acid
ZnO-750-NJE7	Zinc Oxide (And) Jojoba Esters
<b>Dispersions</b>	
CO55MZJ	Zinc Oxide (And) Ricinus Communis (Castor) Seed Oil (And) Jojoba Esters
GCO50XZJ	Zinc Oxide (And) Caprylic/Capric Triglyceride (And) Sorbitan Olivatate (And) Jojoba Esters

Name	INCI Name
<b>Dispersions</b>	
<b>New</b> GCP45TV	Caprylic/Capric Triglyceride (And) Titanium Dioxide (And) Stearic Acid (And) Aluminum Hydroxide (And) Polyhydroxystearic Acid
GCP45XZJ	Caprylic/Capric Triglyceride (And) Zinc Oxide (And) Polyhydroxystearic Acid (And) Jojoba Esters
<b>New</b> GCP55MZ8SG	Zinc Oxide (And) Caprylic/Capric Triglyceride (And) Polyhydroxystearic Acid (And) Stearoyl Glutamic Acid
GCP55TJ	Titanium Dioxide (And) Caprylic/Capric Triglyceride (And) Jojoba Esters (And) Polyhydroxystearic Acid
GCQP55T5S	Caprylic/Capric Triglyceride (And) Titanium Dioxide (And) Stearic Acid (And) Aluminum Hydroxide (And) Polyhydroxystearic Acid
JOSP40TIS	Simmondsia Chinensis (Jojoba) Seed Oil (And) Titanium Dioxide (And) Aluminum Hydroxide (And) Isostearic Acid (And) Polyhydroxystearic Acid
JOSP50TJE	Simmondsia Chinensis (Jojoba) Seed Oil (And) Titanium Dioxide (And) Aluminum Hydroxide (And) Jojoba Esters (And) Polyhydroxystearic Acid
JOSP55XZJ	Zinc Oxide (And) Simmondsia Chinensis (Jojoba) Seed Oil (And) Polyhydroxystearic Acid (And) Jojoba Esters
SO60MZJ	Zinc Oxide (And) Helianthus Annuus (Sunflower) Seed Oil (And) Jojoba Esters

Patent # US 8623386 B2 - NJE Treatment Thereof, Natural ester, wax or oil treated pigment, process for production thereof, and cosmetic made therewith

**KOBO**

Ingredients of Natural Origin

www.koboproducts.com

## Sunscreen Technologies



### TiO<sub>2</sub> & ZnO Dispersions & Powders

Surface treated titanium dioxide and zinc oxide available as powders or dispersed in natural vehicles to help formulators develop sunscreen products with high efficacy without nanoparticles.

Name	INCI Name
<b>Powders</b>	
<b>New</b> A10-TiO <sub>2</sub> -SA-ASG8	Titanium Dioxide (And) Aluminum Hydroxide (And) Stearoyl Glutamic Acid (And) Hydrated Silica
<b>New</b> A15-TiO <sub>2</sub> -S-NJE10 <b>C</b>	Titanium Dioxide (And) Hydrated Silica (And) Jojoba Esters
TTO-NJE8 <b>CE</b>	Titanium Dioxide (And) Alumina (And) Jojoba Esters
ZnO-C <b>CE</b>	Zinc Oxide
<b>New</b> ZnO-C-ASG3J <b>CP</b>	Zinc Oxide (And) Stearoyl Glutamic Acid
ZnO-C-NJE3 <b>CE</b>	Zinc Oxide (And) Jojoba Esters
<b>Dispersions</b>	
GC70MZCJ-G <b>CE</b>	Zinc Oxide (And) Caprylic/Capric Triglyceride (And) Jojoba Esters (And) Glyceryl Behenate/Eicosadioate
<b>New</b> GC70MZCSG <b>C</b>	Zinc Oxide (And) Caprylic/Capric Triglyceride (And) Stearoyl Glutamic Acid (And) Glyceryl Behenate/Eicosadioate
JOP80MZCJ <b>CE</b>	Zinc Oxide (And) Simmondsia Chinensis (Jojoba) Seed Oil (And) Polyhydroxystearic Acid (And) Jojoba Esters

### SPF Booster

Mixture containing a proprietary ratio of natural anti-oxidant, anti-irritant and anti-inflammatory agents; achieves greater than 30% increase in SPF and PFA results when used in conjunction with UV filters.



Name	INCI Name
<b>SunBoost ATB™ Natural</b> <b>E</b>	Argania Spinosa Kernel Oil (And) Tocopheryl Acetate (And) Bisabolol

### IR Blocker

Amino acid-coated, large size titanium dioxides which showed a great capacity to block IR-A when tested both in vitro and in vivo.

Name	INCI Name
<b>New</b> TiO <sub>2</sub> -IR300-ASG3	Titanium Dioxide (And) Stearoyl Glutamic Acid
<b>New</b> A1K-TiO <sub>2</sub> -ASG3	Titanium Dioxide (And) Aluminum Hydroxide (And) Stearoyl Glutamic Acid

## Specialties

### Charcoal

Absorbent Charcoal Powder, obtained from the carbonization of Ubame Oak. Available as a powder or an aqueous dispersion; gives absorbency properties to formulas.

Name	INCI Name
<b>Powders</b>	
<b>New</b> CHARCOPOWDER <b>CE</b>	Charcoal Powder
<b>Dispersions</b>	
<b>New</b> WD-VCB25 <b>CE</b>	Water (And) Charcoal Powder (And) Polyglyceryl-10 Stearate (And) Polyglycerin-10 (And) Polyglyceryl-10 Myristate (And) Sodium Dehydroacetate (And) Citric Acid

### Emollients

MAKIGREEN OO - emollient, with high oxidative stability used to develop light, non-greasy, petrolatum-free formulations, impart gloss or help prevent water evaporation from the skin.

Name	INCI Name
MAKIGREEN OO	Vegetable Oil

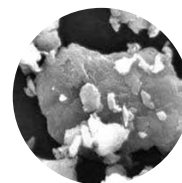
### Emulsifier

Plant-based, PEG-free, W/O emulsifier, which provides light and silky-smooth non-greasy feel. Good for cold process.

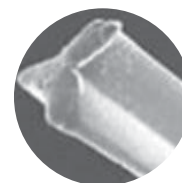
Name	INCI Name
<b>New</b> MAKIBASE SEB <b>E</b>	Polyglyceryl-3 Polyricinoleate (And) Polyglyceryl-3 Diisostearate



FACIAL MASK WITH CHARCOPOWDER



SILK COTTON PW



SEM Image: ECOFIBER 10D-2T

### Esters

**Plandool™ G & H:** Lanolin alternative esters, with unique moisture retention, richness and gloss. **Plandool™ G** has a high molecular weight with a melting point close to body temperature; **Plandool™ H** has a lower molecular weight making it less greasy. **Plandool™ LG series:** off-white waxes or liquid; forms lamellar liquid crystals helping to restore the skin barrier and provide moisture. **Plandool™ PM and MAS:** Similar structure to skin intercellular lipids; improve moisture retention and barrier protection. Provide richness and gloss to formulas. **LUSPLAN™ DD-DA7:** Plant-derived lanolin oil replacement that can be used as base oil in a wide range of applications; adds gloss.

Name	INCI Name
<b>New</b> Plandool™-G	Bis-Behenyl/Isostearyl/Phytosteryl Dimer Dilinoleyl Dimer Dilinoleate
<b>New</b> Plandool™-H	Phytosteryl/Isostearyl/Cetyl/Stearyl/Behenyl Dimer Dilinoleate
<b>New</b> Plandool™-LG1	
<b>New</b> Plandool™-LG3	Phytosteryl/Behenyl/Octyldodecyl Lauroyl Glutamate
<b>New</b> Plandool™-LG4	
<b>New</b> Plandool™-LG2	Phytosteryl/Octyldodecyl Lauroyl Glutamate
<b>New</b> Plandool™-PM	Phytosteryl Macadamiate
<b>New</b> Plandool™-MAS	
<b>New</b> LUSPLAN™ DD-DA7 <b>E</b>	Dimer Dilinoleyl Dimer Dilinoleate



## Specialties

### Fibers (Bulking)

Light and bulky ground fiber with high oil absorption and soft focus capability. Magnesium stearate adds water repellency.

Name	INCI Name
SILK COTTON PW <b>E</b>	Ceiba Pentandra Fiber Powder
MST-6 SILK COTTON PW	Cellulose (And) Magnesium Stearate

### Fibers (Mascara)

Provides length and/or volume.

Name	INCI Name
CELL-U-LASH™ 40	Cellulose
CELL-U-LASH™ 90	
CELL-U-LASH™ 150	
ECOFIBER 10D-2T	Polylactic Acid

### Fillers

Fine powders of plant or mineral origin.

Name	INCI Name	
CELLULOFLAKE <b>CE</b>	Cellulose	
MST MAKIGREEN CORN S	Zea Mays (Corn) Starch (And) Magnesium Stearate	
MST MAKIGREEN RICE S <b>CE</b>	Oryza Sativa (Rice) Starch (And) Magnesium Stearate	
TALC AJM	Talc	
KoboTalc EX-15		
KoboTalc CT-250		
KoboMica Y-08		
KoboMica L-24		
KoboMica S-25		
KoboMica L-27		
KoboMica L-50		
		Mica

### Gellants

Exilva® is a natural, cellulose-based performance enhancer, with a unique 3D microfibrillar structure ideal to increase the viscosity and stability of formulas.

Name	INCI Name
<b>New</b> Exilva® FM 02-L	Water (And) Cellulose
<b>New</b> Exilva® FM 02-V	Water (And) Cellulose

### Scrubbing Beads

Natural spherical beads that are used primarily for exfoliation.

Name	INCI Name
CELLULOBEADS D-200 <b>E</b>	Cellulose
CELLULOBEADS D-500	
Ws-CWUMM	Copernicia Cerifera (Carnauba) Wax (And) Ultramarines
<b>New</b> KoboScrub™ SD-200	Silica

### Surfactant

Combination of vegetable-origin surfactants.

Name	INCI Name
<b>New</b> MAKIGREEN LCS+ <b>CE</b>	Caprylyl/Capryl Glucoside (And) Polyglyceryl-10 Isostearate(And) Sodium Dilauramidoglutamide Lysine

### Pigment

Provides deep, black shade. Primarily used in mascara.

Name	INCI Name
BLACK NF <b>CE</b>	Iron Oxides (CI 77499)

### Resins Oil Phase

Film Former and w/o Emulsifier that creates a strong, transparent, flexible film; Provides a glossy effect and unique elasticity properties that can help achieve original textures.

Name	INCI Name
MAKIGREEN GF	Methyl Ricinoleate (And) Ethylcellulose

### Waxes

Used to stabilize and thicken emulsions; provides smooth, velvety skin feel.

Name	INCI Name
<b>New</b> MAKIGREEN VELVET WAX <b>CE</b>	Vegetable Oil (Olivus Oil) (And) Oryza Sativa (Rice) Bran Oil (And) Oryza Sativa (Rice) Bran Wax (And) Rhus Succedanea Fruit Wax (And) Helianthus Annuus (Sunflower) Seed Oil

**CEP** Raw material approved by Ecocert in accordance with the Cosmos and Ecocert Standards (w/ petrochemical)



COSMOS APPROVED

**CE** Raw material approved by Ecocert in accordance with the Cosmos and Ecocert Standards



COSMOS APPROVED

**CP** Raw material approved by Ecocert in accordance with the Cosmos Standards (w/ petrochemical)



COSMOS APPROVED

**C** Raw material approved by Ecocert in accordance with the Cosmos Standard



COSMOS APPROVED

**E** Raw material approved by Ecocert in accordance with the Ecocert Standard



COSMETICS



## KLF-236 Natural Stick Foundation

### Part 1

● Protachem™ CTG - Protameen: <i>Caprylic/Capric Triglyceride</i>	27.17%
● CASTOR OIL - Arista Industries, Inc.: <i>Ricinus Communis (Castor) Seed Oil</i>	12.00%
● JOS10M5 - Kobo Products: <i>Simmondsia Chinensis (Jojoba) Seed Oil (And) Silica</i>	9.00%
● Beeswax White Sp 422P - Strahl & Pitsch: <i>Beeswax</i>	3.00%
● Candelilla Wax SP-75 - Strahl & Pitsch: <i>Euphorbia Cerifera (Candelilla) Wax</i>	3.00%
● Florasun® 90 - BASF: <i>Helianthus Annuus (Sunflower) Seed Oil</i>	3.00%
● Shea Butter - BASF: <i>Shea Butter</i>	3.00%
● Carnauba Wax SP 63P - Strahl & Pitsch: <i>Copernicia Cerifera (Carnauba) Wax</i>	2.00%
● MAKIGREEN OO - Daito/Kobo Products: <i>Vegetable Oil</i>	2.00%
● DL-Alpha Tocopheryl Acetate - DSM: <i>Tocopheryl Acetate</i>	0.50%
● Lexgard® Natural - Inolex: <i>Glyceryl Caprylate (And) Glyceryl Undecylenate</i>	0.50%

### Part 2

● TALC AJM - Kobo Products: <i>Talc</i>	11.50%
● MSS-500W - Kobo Products: <i>Silica</i>	10.00%
● BTD-ASG2 - Kobo Products: <i>Titanium Dioxide (And) Stearoyl Glutamic Acid</i>	8.35%
● MSS-500/3H - Kobo Products: <i>Silica</i>	2.00%

● BYO-ASG3 - Kobo Products: <i>Iron Oxides (CI 77492) (And) Stearoyl Glutamic Acid</i>	1.94%
● BBO-ASG3 - Kobo Products: <i>Iron Oxides (CI 77499) (And) Stearoyl Glutamic Acid</i>	0.62%
● BRO-ASG3 - Kobo Products: <i>Iron Oxides (CI 77491) (And) Stearoyl Glutamic Acid</i>	0.42%

### Manufacturing Procedure

1. In blender, add Part 2 and blend until color is developed.
2. In main beaker, add Part 1 and heat to 80°C.
3. Slowly add Part 2 to Part 1 and mix under propeller until fully uniform.
4. Pour into stick component at 70-75°C.

### Description

This natural foundation stick features Kobo's **ASG treated pigments** to help offer good adhesion of color onto the skin as well as giving it a creamy feel. Fumed Silica, JOS10M5 helps with the structure and emolliency. **MAKIGREEN OO**, a light, non-greasy emollient offers conditioning properties to the formula. **TALC AJM** is used as a filler and helps with coverage. **MSS-500W** helps with soft focus. **MSS-500/3H** is added for better pigment pay off and non-oily feel.



## KSL-330B Water-Less, Natural Sunscreen



### Part 1

● JOJOBA OIL - Vantage: <i>Simmondsia Chinensis (Jojoba) Seed Oil</i>	20.80%
● Protachem™ CTG - Protameen: <i>Caprylic/Capric Triglyceride</i>	10.00%
● JOS10M5 - Kobo Products: <i>Simmondsia Chinensis (Jojoba) Seed Oil (And) Silica</i>	5.00%
● Liponate® IPM - Vantage: <i>Isopropyl Myristate</i>	5.00%
● SunBoost ATB™ Natural - Kobo Products: <i>Argania Spinosa Kernel Oil (And) Tocopheryl Acetate (And) Bisabolol</i>	5.00%
● Lanette O - Cognis: <i>Cetearyl Alcohol</i>	3.50%
● Glycerin U.S.P. F.C.C. 96% - Ruger Chemical Co., Inc.: <i>Glycerin</i>	3.00%
● Shea Butter - Cognis Corp.: <i>Shea Butter</i>	2.00%
● MANGO BUTTER - RITA Corp.: <i>Mangifera Indica (Mango) Seed Butter</i>	1.50%
● Dermofat 4919 - Alzo Chemical: <i>Stearic Acid</i>	1.00%

### Part 2

● GCP55TJ - Kobo Products: <i>Titanium Dioxide (And) Caprylic/Capric Triglyceride (And) Jojoba Esters (And) Polyhydroxystearic Acid</i>	23.00%
● GCO50XZJ - Kobo Products: <i>Zinc Oxide (And) Caprylic/Capric Triglyceride (And) Sorbitan Oliviate (And) Jojoba Esters</i>	12.00%

### Part 3

● CELLULOBEADS D-10 - Daito/Kobo Products: <i>Cellulose</i>	6.50%
● Lexgard® E - Inolex Chemical Company: <i>Ethylhexylglycerin</i>	1.00%
● FLORITE PS-10 - Tomita/Kobo Products: <i>Calcium Silicate</i>	0.70%

### Manufacturing Procedure

1. In main beaker add Part 1 and heat until waxes are melted.
2. Add Part 2 to Part 1 and mix until uniform.
3. Start cooling and add Part 3.

### Description

This natural anhydrous sunscreen showcases a Korean trend of Water-Free formulas and uses natural oils as the base. This Water-Less formula features JOS10M5 Kobo's Fumed Silica Gellant in Jojoba Oil, which helps give structure and emolliency. Titanium Oxide and Zinc Oxide dispersions, **GCP55TJ** and **GCO50XZJ** give the formula SPF protection. It also features **SunBoost ATB™ Natural**, which contains a proprietary ratio of anti-oxidant, anti-irritant, and anti-inflammatory agents, leaving a moisturizing feel to the skin. Microspheres, **CELLULOBEADS D-10** and **FLORITE PS-10** help absorb oil, give soft focus and enhance the feel.