

# 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. 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
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

### 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

### 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

### 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

### 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

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# 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
OD75CJE <b>CE</b>	Titanium Dioxide (And) Octyldodecanol (And) Jojoba Esters (And) Trihydroxystearin
OD75BJE <b>CE</b>	Iron Oxides (CI 77499) (And) Octyldodecanol (And) Jojoba Esters (And) Trihydroxystearin
OD75RJE <b>CE</b>	Iron Oxides (CI 77491) (And) Octyldodecanol (And) Jojoba Esters (And) Trihydroxystearin
OD55YJE <b>CE</b>	Iron Oxides (CI 77492) (And) Octyldodecanol (And) Jojoba Esters (And) Trihydroxystearin



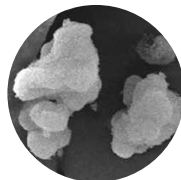
# Microspheres

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.

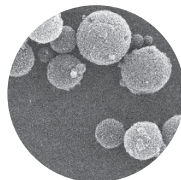
## Mineral Microspheres

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.

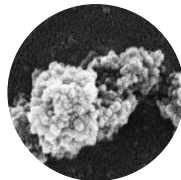
Name	INCI Name
FLORITE PS-10	Calcium Silicate
FLORITE R	
MSS-500	
MSS-500/20N	Silica
MSS-500/3	
MSS-500/3H	
MSS-500/3N	
MSS-500/H	
MSS-500/N	
MSS-500W <b>CE</b>	
SILICA SHELLS	



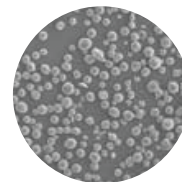
FLORITE PS-10



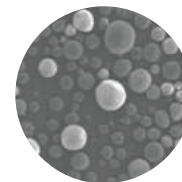
MSS-500/3H



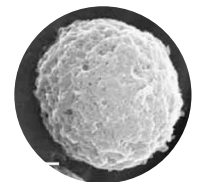
SILICA SHELLS



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

## 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

## 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
GCO45TV	Titanium Dioxide (And) Caprylic/Capric Triglyceride (And) Sorbitan Oliviate (And) Stearic Acid (And) Aluminum Hydroxide
GCO50XZJ	Zinc Oxide (And) Caprylic/Capric Triglyceride (And) Sorbitan Oliviate (And) Jojoba Esters
GCP55TJ	Titanium Dioxide (And) Caprylic/Capric Triglyceride (And) Jojoba Esters (And) Polyhydroxystearic Acid
GCP45XZJ	Caprylic/Capric Triglyceride (And) Zinc Oxide (And) Polyhydroxystearic Acid (And) Jojoba Esters
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

## 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
SunBoost ATB™ Natural <span style="color: red;">E</span>	Argania Spinosa Kernel Oil (And) Tocopheryl Acetate (And) Bisabolol



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

## 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
<span style="color: red;">New</span> TiO <sub>2</sub> -IR300-ASG3	Titanium Dioxide (And) Stearoyl Glutamic Acid
<span style="color: red;">New</span> 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>CHARCOPOWDER</b> <span style="color: red;">CE</span>	Charcoal Powder
<b>Dispersions</b>	
<b>WD-VCB25</b> <span style="color: red;">CE</span>	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
<b>MAKIGREEN OO</b>	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>MAKIBASE SEB</b> <span style="color: red;">E</span>	Polyglyceryl-3 Polyricinoleate (And) Polyglyceryl-3 Diisostearate

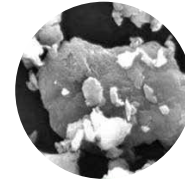
## Esters

**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.

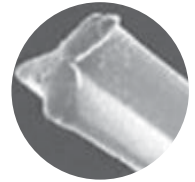
Name	INCI Name
<b>Plandool™-G</b>	Bis-Behenyl/Isostearyl/Phytosteryl Dimer Dilinoleyl Dimer Dilinoleate
<b>Plandool™-H</b>	Phytosteryl/Isostearyl/Cetyl/Stearyl/Behenyl Dimer Dilinoleate
<b>Plandool™-LG1</b>	Phytosteryl/Behenyl/Octylododecyl Lauroyl Glutamate
<b>Plandool™-LG3</b>	
<b>Plandool™-LG4</b>	
<b>Plandool™-LG2</b>	
<b>Plandool™-PM</b>	Phytosteryl Macadamiate
<b>Plandool™-MAS</b>	
<b>LUSPLAN™ DD-DA7</b> <span style="color: red;">E</span>	Dimer Dilinoleyl Dimer Dilinoleate



FACIAL MASK WITH CHARCOPOWDER



SILK COTTON PW



SEM Image: ECOFIBER 10D-2T

## Fibers (Bulking)

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

Name	INCI Name
<b>SILK COTTON PW</b> <span style="color: red;">E</span>	Ceiba Pentandra Fiber Powder
<b>MST-6 SILK COTTON PW</b>	Cellulose (And) Magnesium Stearate

## Fibers (Mascara)

Provides length and/or volume.

Name	INCI Name
<b>CELL-U-LASH™ 40</b>	Cellulose
<b>CELL-U-LASH™ 90</b>	
<b>CELL-U-LASH™ 150</b>	
<b>ECOFIBER 10D-2T</b>	Polyactic Acid

## Fillers

Fine powders of plant or mineral origin.

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

## Gellant

Thixotropic thickener with emulsifying properties, particularly suitable for sprayable gel. Surfactant-free and waterproof O/W emulsions can be prepared with this ingredient.

Name	INCI Name
<b>MOISPRAY C</b> <span style="color: red;">E</span>	Microcrystalline Cellulose (And) Cellulose Gum

## Scrubbing Beads

Natural spherical beads that are used primarily for exfoliation.

Name	INCI Name
<b>CELLULOBEADS D-200</b> <span style="color: red;">E</span>	Cellulose
<b>CELLULOBEADS D-500</b>	
<b>Ws-CWUMM</b>	Copernicia Cerifera (Carnauba) Wax (And) Ultramarines

# Specialties

## Surfactant

Combination of vegetable-origin surfactants.

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

## Pigment

Provides deep, black shade. Primarily used in mascara.

Name	INCI Name
<b>BLACK NF</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
<b>MAKIGREEN GF</b>	Methyl Ricinoleate (And) Ethylcellulose


## Waxes

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


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

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




 Raw material approved by Ecocert in accordance with the Cosmos Standard



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



 Raw material approved by Ecocert in accordance with the Ecocert Standard



KLP-122B

## Natural Lipstick with ASG - Red Iron Oxide

### Part 1

- Protachem CTG - Protameen Chemicals: Caprylic/Capric Triglyceride 31.25%
- BRO-ASG3** - Kobo Products: Iron Oxides (CI 77491) (And) Stearoyl Glutamic Acid 18.75%
- CASTOR OIL - CasChem: Ricinus Communis (Castor) Seed Oil 17.50%
- Myritol® 331 - BASF: Cocoglycerides 12.00%
- Lexgard® Natural - Inolex Chemical Company: Glyceryl Caprylate (And) Glyceryl Undecylenate 1.00%

### Part 2

- Carnauba Wax SP 63P - Strahl & Pitsch: Copernicia Cerifera (Carnauba) Wax 9.00%
- Beeswax White Sp 422P - Strahl & Pitsch: Beeswax 6.50%
- Cetiol® SB 45 - BASF: Shea Butter 4.00%

### Manufacturing Procedure

- Combine Part 1 and homogenize.
- Heat to 80°C and add Part 2. Switch to a propeller blade.
- Pour into molds.

### Description

This lipstick glides effortlessly onto lips to provide good color deposit as a result of the **ASG surface treated** pigment.



## 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.