

Natural

Mineral & Plant-Derived Ingredients

Global 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 (Natural Jojoba Esters)

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	Titanium Dioxide (And) Jojoba Esters
RBTD-671-NJE2	Titanium Dioxide (And) Jojoba Esters
BBO-NJE2	Iron Oxides (CI 77499) (And) Jojoba Esters
BRO-NJE2	Iron Oxides (CI 77491) (And) Jojoba Esters
BYO-NJE3	Iron Oxides (CI 77492) (And) Jojoba Esters
BEUB-NJE3	Ultramarines (And) Jojoba Ester
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

NOE Treatment (Natural Olive Esters)

Natural (NOE) Treatment, using Hydrogenated Olive Oil Stearyl Esters. Hydrophobic, stable treatment, with low odor, imparts color, coverage and spreadability to formulas. Improves pressability: powders can be pressed without additional binders.

Name	INCI Name
A15-TiO2-ST-NOE8	Titanium Dioxide (And) Hydrogenated Olive Oil Stearyl Esters (And) Aluminum Hydroxide
MZO-35-NOE7	Zinc Oxide (And) Hydrogenated Olive Oil Stearyl Esters
ZNO-C-NOE4	Zinc Oxide (And) Hydrogenated Olive Oil Stearyl Esters
BTD-NOE2	Titanium Dioxide (And) Hydrogenated Olive Oil Stearyl Esters
BBO-NOE4	Iron Oxides (CI 77499) (And) Hydrogenated Olive Oil Stearyl Esters
BRO-NOE4	Iron Oxides (CI 77491) (And) Hydrogenated Olive Oil Stearyl Esters
BYO-NOE4	Iron Oxides (CI 77492) (And) Hydrogenated Olive Oil Stearyl Esters
GMS-NOE4	Mica (And) Hydrogenated Olive Oil Stearyl Esters

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	Titanium Dioxide (And) Stearoyl Glutamic Acid
BBO-ASG3	Iron Oxides (CI 77499) (And) Stearoyl Glutamic Acid
BRO-ASG3	Iron Oxides (CI 77491) (And) Stearoyl Glutamic Acid
BYO-ASG3	Iron Oxides (CI 77492) (And) Stearoyl Glutamic Acid
BGCO-ASG4	Chromium Oxide Greens (And) Stearoyl Glutamic Acid
BMV-ASG4	Manganese Violet (CI 7742) (And) Stearoyl Glutamic Acid
GMS-ASG3	Mica (And) Stearoyl Glutamic Acid
MICA S-ASG3	Mica (And) Stearoyl Glutamic Acid
TALC N-ASG4	Talc (And) Stearoyl Glutamic Acid

MM Treatment (Magnesium Myristate)

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

KOBO

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



OD Dispersions



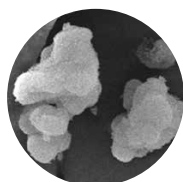
JOH Dispersions

Microspheres

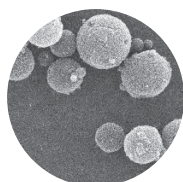
Due to their optical blurring properties these naturally derived spherical powders diminish the look of fine lines on the skin while enhancing the feel of your product.

Mineral Microspheres

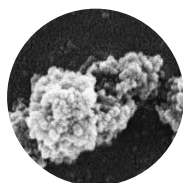
Microspheres made of silica or calcium silicate, ranging in size from 3 to 30 microns. Most present a high oil absorption capacity (except MSS-500/3N and MSS-500/20N) which contribute to oil and sebum control on the skin.



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	
MSS-500/3H	Silica
New MSS-500/5H	
MSS-500/3N	
MSS-500/H	
MSS-500/N	
MSS-500W CE	
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

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
New KoboBlur™ 100 Natural	Silica (And) Cellulose (And) Mica (And) Barium Sulfate (And) Titanium Dioxide (And) Jojoba Esters

Sunscreen Technologies

UV Attenuation TiO₂ and ZnO Powders

Titanium Dioxide (TiO₂) and Zinc Oxide are mineral UV filters available in a range of particle sizes and varying optical properties. To improve dispersion in formulas and performance, Kobo offers TiO₂ and ZnO as powders treated with various inorganic and organic compounds, including natural treatments such as Stearoyl Glutamic Acid, Jojoba Esters or Stearic Acid. ZnO-C is a unique grade of Zinc Oxide, with a primary particle size of about 265 nm and a size distribution curve that is entirely above 100 nm when measured by image analysis. All Kobo Natural Mineral UV Filters are "Non-Nano", as measured in accordance with the last Nano guidance from Cosmetics Europe.

Name	INCI Name
Titanium Dioxide	
New A10-TiO2-SA-ASG8*	Titanium Dioxide (And) Aluminum Hydroxide (And) Stearoyl Glutamic Acid (And) Hydrated Silica
A10-TiO2-SA-NJE14*	Titanium Dioxide (And) Aluminum Hydroxide (And) Hydrated Silica (And) Jojoba Esters
A15-TiO2-SX-NJE8*	Titanium Dioxide (And) Silica (And) Jojoba Esters
A15-TiO2-ST-SA8*	Titanium Dioxide (And) Aluminum Hydroxide (And) Stearic Acid
TTO-NJE8* CE	Titanium Dioxide (And) Alumina (And) Jojoba Esters
MT-500B-NJE5*	Titanium Dioxide (And) Jojoba Esters
Zinc Oxide	
ZnO-750-NJE7*	Zinc Oxide (And) Jojoba Esters
ZNO-750-ASG5*	Zinc Oxide (And) Stearoyl Glutamic Acid
KOBO ZnO-B*	Zinc Oxide
ZnO-C CE	Zinc Oxide
ZnO-C-NJE3 CE	Zinc Oxide (And) Jojoba Esters
New ZnO-C-ASG3J CP	Zinc Oxide (And) Stearoyl Glutamic Acid

UV Attenuation TiO₂ and ZnO Dispersions

Highlighting Kobo's extensive pigment dispersion experience, surface treated Titanium Dioxide and Zinc Oxide are also available dispersed in natural carriers, for better control of UV attenuation efficacy and formulation ease.

Name	INCI Name
Titanium Dioxide	
New GCP45TV*	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
Zinc Oxide	
New GCP55ZSG*	Zinc Oxide (And) Caprylic/ Capric Triglyceride (And) Polyhydroxystearic Acid (And) Stearoyl Glutamic Acid
GCP55MZ8SG*	Zinc Oxide (And) Caprylic/ Capric Triglyceride (And) Polyhydroxystearic Acid (And) Stearoyl Glutamic Acid
New NHP60MZ8SG*	Zinc Oxide (And) C13-15 Alkane (And) Stearoyl Glutamic Acid (And) Polyhydroxystearic Acid

* These products comply with conditions for Titanium Dioxide (Nano) or Zinc Oxide (Nano) as set forth in Annex VI to regulation (EC) No 1223/2009.

Patent: US 20110150792, WO 2010068687, CN 102246014B - Zinc oxide aqueous and non-aqueous dispersions
 Patent: US 9949904B2 - Method of formulating zinc oxide powder blends for balanced UVA/UVB attenuation
 Patent: US 20180235855A1, WO 2007048057A3 - Zinc oxide powder blends, their production and use
 Patent: WO 2008067186, JP pending - UV protective cosmetic product incorporating titanium dioxide and transparent iron oxide

UV Attenuation "Non-Nano" TiO₂ and ZnO Dispersions

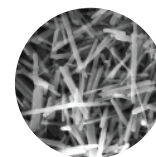
Kobo offers a range of Non-Nano Titanium Dioxide dispersions, where the particle sizes are greater than 100nm when measured by light scattering sizing, according to the last Nano Guidance from Cosmetics Europe. These dispersions have been designed to help formulators develop sunscreen products with high SPF/PFA and minimal whitening without nanoparticles.



Name	INCI Name
Titanium Dioxide	
NHP55STS*	Titanium Dioxide (And) C13-15 Alkane (And) Stearic Acid (And) Aluminum Hydroxide (And) Polyhydroxystearic Acid
GCP55TJ*	Titanium Dioxide (And) Caprylic/ Capric Triglyceride (And) Jojoba Esters (And) Polyhydroxystearic Acid
Zinc Oxide	
CO55MZJ*	Zinc Oxide (And) Ricinus Communis (Castor) Seed Oil (And) Jojoba Esters
SO60MZJ*	Zinc Oxide (And) Helianthus Annuus (Sunflower) Seed Oil (And) Jojoba Esters
GCP45XZJ*	Caprylic/ Capric Triglyceride (And) Zinc Oxide (And) Polyhydroxystearic Acid (And) Jojoba Esters
JOSP55XZJ*	Zinc Oxide (And) Simmondsia Chinensis (Jojoba) Seed Oil (And) Polyhydroxystearic Acid (And) Jojoba Esters
GC70MZCJ-G CE	Zinc Oxide (And) Caprylic/ Capric Triglyceride (And) Jojoba Esters (And) Glycerol Behenate/ Eicosadioate
New GC70MZCSG C	Zinc Oxide (And) Caprylic/ Capric Triglyceride (And) Stearoyl Glutamic Acid (And) Glycerol Behenate/ Eicosadioate
JOP80MZCJ CE	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.



TiO₂-IR300



A1K-TiO₂

Name	INCI Name
New TiO2-IR300-ASG3	Titanium Dioxide (And) Stearoyl Glutamic Acid
New A1K-TiO2-ASG3	Titanium Dioxide (And) Aluminum Hydroxide (And) Stearoyl Glutamic Acid

Patent: WO 2018232379A1

Cosmetic composition using titanium dioxide particles for IR protection

SPF & PFA 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 E	Argania Spinosa Kernel Oil (And) Tocopheryl Acetate (And) Bisabolol

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Ingredients of Natural Origin

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Specialties

Charcoal

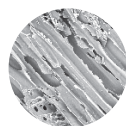
Absorbent Charcoal Powder gives absorbency properties to formulas.

Name	INCI Name
CHARCOAL POWDER	Charcoal Powder

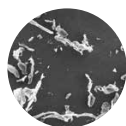
Fibers (Mascara)

Provides length and/or volume.

Name	INCI Name
CELL-U-LASH™ 40	Cellulose
CELL-U-LASH™ 90	
CELL-U-LASH™ 150	



CHARCOAL POWDER



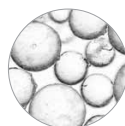
CELL-U-LASH™ 150



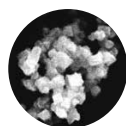
KoboMica S-25



CO15M5



KoboScrub™ SD-200



BLACK NF

Pigment

Provides deep, black shade. Primarily used in mascara.

Name	INCI Name
BLACK NF	Iron Oxides (CI 77499)

Scrubbing Beads

Natural spherical beads that are used primarily for exfoliation.

Name	INCI Name
KoboScrub™ SD-200	Silica

Fillers

Fine powders of plant or mineral origin.

Name	INCI Name
TALC AJM	Talc
KoboTalc EX-15	
KoboMica Y-08	Mica
KoboMica L-24	
KoboMica S-25	
KoboMica L-27	
Sericite GMS-4C	

Gellants

Fumed Silica dispersions are pre-dispersed high purity silica homogenized in a range of natural oils, silicone oils, or esters, which provide easily manageable and dust free gellants for oil phases and anhydrous formulas.

Name	INCI Name
CO15M5	Ricinus Communis (Castor) Seed Oil (And) Silica
JOS10M5	Simmondsia Chinensis (Jojoba) Seed Oil (And) Silica

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

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

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

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

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



KPW-033-BR

Natural Powder-to-Glow

Part 1

- **MICA S-PC** - Kobo Products: Mica (And) Hydrogenated Lecithin 55.00%
- **BTD-ASG2** - Kobo Products: Titanium Dioxide (And) Stearoyl Glutamic Acid 5.26%
- **CELLULOBEADS D-10-PC2** - Kobo Products: Cellulose (And) Hydrogenated Lecithin 5.00%
- **MSS-500W** - Kobo Products: Silica 2.00%
- **BYO-ASG3** - Kobo Products: Iron Oxides (CI 77492) (And) Stearoyl Glutamic Acid 1.04%
- **BRO-ASG3** - Kobo Products: Iron Oxides (CI 77491) (And) Stearoyl Glutamic Acid 0.49%
- **BBO-ASG3** - Kobo Products: Iron Oxides (CI 77499) (And) Stearoyl Glutamic Acid 0.21%

Part 2

- **Lexgard® Natural** - Inolex: Glyceril Caprylate (And) Glyceril Undecylenate 1.00%

Part 3

- Deionized Water - Water 11.00%

Part 4

- **COSMOL™ 43V** - Ikeda/Kobo Products: Polyglyceryl-2 Triisostearate 7.50%
- **Tegosoft® CT** - Cosmotec: Caprylic/Capric Triglycerides 5.00%
- **Isolan® GI 34** - Cosmotec: Polyglyceryl-4 Isostearate 1.00%
- **Tecwax Carnauba T3** - Cosmotec: Copernicia Cerifera (Carnauba) Wax 0.50%

Part 5

- **KTZ® EXTRAFINE GOLD** - Kobo Products: Titanium Dioxide (And) Mica 4.00%
- **K-RAY® DarkCopper** - Kobo Products: Mica (And) Titanium Dioxide (And) Iron Oxides (CI 77499) 1.00%

Manufacturing Procedure

1. Combine Part 1 and mix well until fully dispersed.
2. Add Part 2 to Part 1 and mix well.
3. Heat Part 3 to 80-85°C.
4. Combine Part 4 and heat to 80-85°C.
5. Add Part 3 to Part 4 slowly and under stirring.
6. Cool to 25-30°C.
7. Add the emulsion (Parts 3 and 4) to Parts 1 and 2, drop by drop, and mix well until fully dispersed.
8. Add Part 5 and mix well.

Description

This Natural powder-to-cream formula leaves a radiant finish on the skin. It can be used on both face and body alone, under or over liquid foundation or mixed with moisturizing cream. It features **ASG treated pigments** coated with amino acid that provide a creamy feel to the formula. Kobo's Silica Microsphere **MSS-500W**, a wide distribution particle size spherical silica, is added to improve spreadability, slip and silkiness of the formula. **MICA S-PC** and **CELLULOBEADS D-10-PC2** are treated with Hydrogenated Lecithin which offers a creamy texture, moisturizing feel and excellent affinity to the skin. **COSMOL™ 43V** acts as a liquid binder to transform powder to cream. The combination of **KTZ® EXTRAFINE GOLD** and **K-RAY® DarkCopper** impart a bronze glow effect.

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Ingredients of Natural Origin

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