

Natural Surface Treatments



Jojoba Esters Treatment (NJE)

Hydrogenated jojoba oil is made of a straight chain ester of 36 to 46 carbons in length and doesn't contain any triglycerides. It does not have branching or unsaturation and is therefore very resistant to oxidation and temperature.

Kobo's patented surface treatment using this ester (INCI: Jojoba Esters) renders pigments and powders hydrophobic. Because of the high melting point of Jojoba esters, this treatment is stable at high temperatures and doesn't develop odors.

Jojoba Esters have properties similar to the human sebum, which contribute to easing sebum production in oily skin and improving dry skin moisture content. NJE treated pigments and powders offer

a creamy feel and good affinity to the skin. They are recommended for use in powders due to their good pressability, as well as emulsions and hot pours.

Due to the natural origin of this treatment, it is ideal for use in formulas containing natural claims. Many of the treated pigments and powders have received Ecocert / Cosmos approval.

Patent #US 8623386 B2

Natural Ester, Wax or Oil Treated Pigment, Process for Production Thereof, and Cosmetic Made Therewith

Trade Name	INCI Name	Product type
MT-500B-NJE5	Titanium Dioxide (And) Jojoba Esters	Attenuation Grade Titanium Dioxide
New A15-TiO ₂ -S-NJE10	Titanium Dioxide (And) Hydrated Silica (And) Jojoba Esters	Non-Nano Titanium Dioxide
TTO-NJE8+	Titanium Dioxide (And) Alumina (And) Jojoba Esters	Attenuation Grade Zinc Oxide
ZnO-750-NJE7	Zinc Oxide (And) Jojoba Esters	Non-Nano Zinc Oxide
ZnO-C-NJE3+		
BTD-NJE2+	Titanium Dioxide (And) Jojoba Esters	Pigmentary Titanium Dioxide
RBTD-671-NJE2+		
BBO-NJE2+	Iron Oxides (CI 77499) (And) Jojoba Esters	Black Iron Oxides
BRO-NJE2+	Iron Oxides (CI 77491) (And) Jojoba Esters	Red Iron Oxides
BYO-NJE3+	Iron Oxides (CI 77492) (And) Jojoba Esters	Yellow Iron Oxides
BEUB-NJE3+	Ultramarines (And) Jojoba Esters	Ultramarine Blue
RED 7CA K-NJE2	Red 7 Lake (And) Jojoba Esters	D&C Red No. 7 Calcium Lake
YELLOW 5AL-NJE8	Yellow 5 Lake (And) Jojoba Esters	FD&C Yellow No. 5 Aluminum Lake
GMS-NJE3	Mica (And) Jojoba Esters	Sericite
New KoboMica 1000S-NJE5	Synthetic Fluorophlogopite (And) Jojoba Esters	Synthetic Mica
KoboMica L-27-NJE2	Mica (And) Jojoba Esters	Mica
TALC N-NJE2	Talc (And) Jojoba Esters	Talc



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



KPW-007H

Natural Treated Mineral Powder (Halal Compliant)

Part 1

● GMS-NJE3 - Kobo Products: Mica (And) Jojoba Esters	63.40%
● TALC N-NJE2 - Kobo Products: Talc (And) Jojoba Esters	20.00%
● RBTD-671-NJE2 - Kobo Products: Titanium Dioxide (And) Jojoba Esters	10.00%
● BYO-NJE3 - Kobo Products: Iron Oxides (CI 77492) (And) Jojoba Esters	5.00%
● BRO-NJE2 - Kobo Products: Iron Oxides (CI 77491) (And) Jojoba Esters	1.00%
● BBO-NJE2 - Kobo Products: Iron Oxides (CI 77499) (And) Jojoba Esters	0.60%

Manufacturing Procedure

1. Micropulverize Part 1 until uniform.

Description

This Natural Treated Mineral Powder features Kobo's NJE treated pigments which enhance feel, application, and adhesion to the skin.

Note: This formulation contains Kobo Halal Compliant Ingredients. All other ingredients must be confirmed with each respective supplier for Halal Compliance.

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Hydrogenated Lecithin Treatment (PC)

Hydrogenated Lecithin is a popular natural treatment for cosmetics comprised of phospholipids.

It moisturizes the skin by promoting an increase in the skin's hydration, offers emollient properties, and provides a soothing effect, while functioning as an anti-oxidant.

Kobo has developed a new series of Hydrogenated Lecithin (PC) treated products. PC treated pigments and powders are hydrophobic. They offer a creamy texture, moisturizing feel and excellent affinity to the skin. They are ideal for use in powders and mineral makeup and can also be used in emulsions.

Trade Name	INCI Name	Product type
CELLULOBEADS D-10-PC2	<i>Cellulose (And) Hydrogenated Lecithin</i>	Cellulose Microsphere
GMS-PC2	<i>Mica (And) Hydrogenated Lecithin</i>	Sericite
MICA S-PC		Mica

Not recommended for heating above 70°C during manufacturing



KPP-103A

Oil-Absorbing, Pressed Powder with COVERSIL-100

Part 1

● TALC N-NJE2 - Kobo Products: <i>Talc (And) Jojoba Esters</i>	57.18%
● GMS-NJE3 - Kobo Products: <i>Mica (And) Jojoba Esters</i>	20.00%
● RBTD-671-NJE2 - Kobo Products: <i>Titanium Dioxide (And) Jojoba Esters</i>	7.00%
● MAGNESIUM MYRISTATE - Kobo Products: <i>Magnesium Myristate</i>	2.50%
● COVERSIL-100 - BoKwang/Kobo Products: <i>Silica</i>	2.50%
● BYO-NJE3 - Kobo Products: <i>Iron Oxides (CI 77492) (And) Jojoba Esters</i>	1.00%
● BRO-NJE2 - Kobo Products: <i>Iron Oxides (CI 77491) (And) Jojoba Esters</i>	0.86%
● Lexgard® Natural - Inolex Chemical Company: <i>Glyceryl Caprylate (And) Glyceryl Undecylenate</i>	0.50%
● BBO-NJE2 - Kobo Products: <i>Iron Oxides (CI 77499) (And) Jojoba Esters</i>	0.46%

Part 2

● Xiameter® PMX-200 Silicone Fluid 20CS - Dow Corning: <i>Dimethicone</i>	2.50%
● LEXOL® PG-865 - Inolex Chemical Company: <i>Propylene Glycol Dicaprylate/Dicaprate</i>	2.50%
● Xiameter® PMX-200 Silicone Fluid 350CS - Dow Corning: <i>Dimethicone</i>	2.00%
● SS4267 - Momentive: <i>Dimethicone (And) Trimethylsiloxysilicate</i>	1.00%

Manufacturing Procedure

1. Blend Part 1 through pulverizer until color is fully developed.
2. Add Part 2 and blend well.
3. Press at 500 psi.

Description

This natural powder foundation features COVERSIL-100, which helps to absorb oil and also gives the powder a very creamy and smooth feel on skin. COVERSIL-100 is used as a functional filler to help with the flowability of a pressed powder. Kobo's patented **Natural Jojoba Ester-treated pigments and powders (NJE)** gives great feel, even application, and good adherence on the skin, contributing to long wear. MAGNESIUM MYRISTATE is a dry binder to help with formula compressibility.