Jojoba Esters Treatment (NJE)

Hydrogenated jojoba oil is a straight chain ester of 36 to 46 carbons in length. It does not have branching or points of unsaturation and contains terminal methyl groups at each end. As with jojoba oil there is no triglyceride component. Through hydrogenation of the colorless, flavorless jojoba oil, a functional and exceptionally pure, white solid is produced. Because of its high melting point the treatment is stable at high temperatures.

Kobo’s patented surface treatment enables pigment particles to be rendered hydrophobic with this treatment. Jojoba Esters have similar properties to the human sebum, which help to balance the sebum on the skin. They can contribute to moisturizing dry skin while easing sebum production in oily skin. Due to the natural origin of this treatment, it is ideal for use in formulas containing natural claims.

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

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**Part 1**

- **GMS-NJE3** - Kobo Products: Mica (And) Jojoba Esters 45.18%
- **BEUB-NJE3** - Kobo Products: Ultramarines (And) Jojoba Esters 40.00%
- **BRD-671-NJE2** - Kobo Products: Titanium Dioxide (And) Jojoba Esters 7.00%
- **BYO-NJE3** - Kobo Products: Iron Oxides (Cl 77492) (And) Jojoba Esters 1.00%
- **BRG-NJE2** - Kobo Products: Iron Oxides (Cl 77491) (And) Jojoba Esters 0.86%
- **Lexgard® Natural - Inolex Chemical Company: Glyceryl Caprylate (And) Glyceryl Undecylenate 0.50%
- **BBO-NJE2** - Kobo Products: Iron Oxides (Cl 77499) (And) Jojoba Esters 0.46%

**Part 2**

- Jojoba Oil - Desert Whale Jojoba Co., Inc.: 5.00%
  - Simmondsia Chinensis (Jojoba) Seed Oil

**Manufacturing Procedure**

1. Blend Part 1 through pulverizer until color is fully developed.
2. Add Part 2 and blend well.
3. Press at 300 psi.

**Description**

This natural powder foundation features Kobo’s Jojoba Ester-treated pigments and powders to give great feel, even application and good adherence on the skin, contributing to long wear.
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.

<table>
<thead>
<tr>
<th>Trade Name</th>
<th>INCI Name</th>
<th>Product Type</th>
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</thead>
<tbody>
<tr>
<td>CELLULOBeads D-10-PC2</td>
<td>Cellulose (And) Hydrogenated Lecithin</td>
<td>Cellulose Microsphere</td>
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<tr>
<td>GMS-PC2</td>
<td>Mica (And) Hydrogenated Lecithin</td>
<td>Sericite</td>
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<tr>
<td>MICA S-PC</td>
<td>Mica (And) Hydrogenated Lecithin</td>
<td>Mica</td>
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</tbody>
</table>

Not recommended for heating above 70°C during manufacturing.

Oil-Absorbing, Natural Pressed Powder with COVERSIL-100

Formula KPP-103A

Part 1
- **TALC N-NJE2** - Kobo Products: Talc (And) Jojoba Esters
- **GMS-NJE3** - Kobo Products: Mica (And) Jojoba Esters
- **RITO-671-NJE2** - Kobo Products: Titanium Dioxide (And) Jojoba Esters
- **MAGNESIUM MYRISTATE** - Kobo Products: Magnesium Myristate
- **COVERSIL-100** - BoKwang/Kobo Products: Silica
- **ROY-NJE3** - Kobo Products: Iron Oxides (CI 77492) (And) Jojoba Esters
- **BRO-NJE2** - Kobo Products: Iron Oxides (CI 77491) (And) Jojoba Esters
- **Lexgard® Natural - Inolex Chemical Company: Glyceryl Caprylate (And) Glyceryl Undecylenate**
- **BBO-NJE2** - Kobo Products: Iron Oxides (CI 77499) (And) Jojoba Esters

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.

Part 2
- **Xiameter® PMX-200 Silicone Fluid 20CS - Dow Corning: Dimethicone**
- **LEXOL® PG-865 - Inolex Chemical Company: Propylene Glycol Dicaprylate/Dicaprate**
- **Xiameter® PMX-200 Silicone Fluid 350CS - Dow Corning: Dimethicone**
- **SS4267 - Momentive: Dimethicone (And) Trimethylsiloxy silicate**

Not recommended for heating above 70°C during manufacturing.