

# Kobo Minerals

## For Cosmetics

**Kobo Minerals** are used in a variety of applications, including emulsions, hot pours, and powders found in Skin Care, Color Cosmetics and Toiletry products. Many are considered fillers which are widely used in shade matching to “fill in” areas where pigments are not used. They can contribute to a finished product by adding bulking properties, an **enhanced skin feel**, luster, shimmer, shine and often times **sheen**, while helping to fill in the lines on the skin so they appear less visible.

Kobo’s product line of minerals includes **Sericite, Mica, and Talc** materials. All grades are available with various **surface treatments** to further enhance their properties.

Talc and Mica offer **superior performance** and strict control of particle sizes. Talc and Mica have very thin, flat & smooth surfaces. They provide **high slip**, excellent skin adhesion, spreadability, good pressability and anti-caking properties.

### Talc

Product Name	Avg. Particle Size (µm)	Properties
TALC AJM	2 - 6	Opacifying. Good coverage. Dry, smooth feel.
KoboTalc EX-15	13 - 17	Translucent coverage. Silky, smooth feel.
KoboTalc CT-250	21 - 37	Exceptional transparency. Silky, smooth feel. Excellent slip.

### Mica

Product Name	Avg. Particle Size (µm)	Properties
KoboMica Y-08	7 - 12	Very fine particles, with matte finishing properties.
KoboMica L-24	22 - 26	Very fine particles, natural sheen and luster.
KoboMica S-25	22 - 26	Exceptional transparency, good sheen and coverage.
KoboMica L-27	25 - 29	Good transparency, excellent sheen and shine.
KoboMica L-50	45 - 55	Large particle size offers excellent shine and luster.

### Synthetic Mica

Product Name	Avg. Particle Size (µm)	Properties
<b>New</b> KoboMica 1000S-11S2	9 - 45	Exceptional transparency, good sheen and coverage.
<b>New</b> KoboMica 1000S-MS3	9 - 45	Exceptional transparency, good sheen and coverage.
<b>New</b> KoboMica 1000S-NJE5	9 - 45	Exceptional transparency, good sheen and coverage.

## KOBO

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## Sericite

Sericite is a white, **silky**, shiny substrate derived from a fine crystalline mineral. Compared with mica, it is thicker and provides **good spreadability** and a **smooth** texture when applied to the skin.

Product Name	Avg. Particle Size (µm)	Properties
SERICITE GMS-4C	2.5 - 4.5	Translucent color, smooth and soft skin feel. Excellent pressability.

## Kobo Surface Treatments Available on various minerals

	Treatment	Properties
<b>Fluorinated Treatment</b>	Perfluorooctyl Triethoxysilane (FS)	This treatment is both hydrophobic and lipophobic. This treatment will give long lasting wear and a natural finish.
<b>Hybrid Treatments</b>	Hybrid (11SP)	Hydrophobic, Lipophilic treatment for easy dispersion into esters, mineral oils and silicone fluids. Ultra creamy feel in pressed powders.
	Hybrid (TTB)	Superdispersible Treatment that wets out in oils, esters, silicones and hydrocarbons.
<b>Lipophilic Treatments</b>	Titanate/ Amino Acid (ASI)	Good dispersibility in silicones and esters, while offering smooth feel and uniform adhesion on the skin.
	Titanate (I)	Kobo's patented Titanate Treatment is highly lipophilic and approved for use globally.
<b>Natural Treatments</b>	Stearoyl Glutamic Acid (ASG)	Hydrophobic, gives moist creamy feel, particularly in powders, and improved skin adhesion.
	Magnesium Myristate (MM)	Magnesium Myristate Treatment has a creamy feel and is hydrophobic.
	Jjoba Esters (NJE)	Hydrophobic, while offering creamy feel and good adhesion to the skin.
<b>Silicone Treatments</b>	Silane (11S)	Silane treatment exhibits zero hydrogen potential and maximum water repellency.
	Methicone (MS)	Methicone treatment has excellent hydrophobicity.

## Pressed Powder with SESQ-CL3

### Formula KPP-072A

#### Part 1

- **SERICITE GMS-4C** - Kobo Products: Mica 70.48%
- **SESQ-CL3** - N&M/Kobo Products: Zea Mays (Corn) Starch (And) Polymethylsilsesquioxane (And) Polypropylsilsesquioxane (And) Aminopropyl Dimethicone 10.00%
- **BTD-11S2** - Kobo Products: Titanium Dioxide (And) Triethoxycaprylylsilane 7.00%
- **ZINC MYRISTATE** - Kobo Products: Zinc Myristate 2.00%
- **BYO-11S2** - Kobo Products: Iron Oxides (CI 77492) (And) Triethoxycaprylylsilane 1.00%
- **BRO-11S2** - Kobo Products: Iron Oxides (CI 77491) (And) Triethoxycaprylylsilane 0.86%
- **BBO-11S2** - Kobo Products: Iron Oxides (CI 77499) (And) Triethoxycaprylylsilane 0.46%
- Methyl Paraben NF - International Sourcing: Methylparaben 0.10%
- Propyl Paraben NF - International Sourcing: Propylparaben 0.10%

#### Part 2

- Lexol® PG-865 - Inolex Chemical Company: Propylene Glycol Dicaprylate/Dicaprate 2.50%

- **Xiameter® PMX-200 Silicone Fluid 20CS** - Dow Corning: Dimethicone 2.50%
- **Xiameter® PMX-200 Silicone Fluid 350CS** - Dow Corning: Dimethicone 2.00%
- SS4267 - Momentive: Dimethicone (And) Trimethylsiloxysilicate 1.00%

#### Manufacturing Procedure

1. Micropulverize Part 1 until color is fully developed.
2. Add Part 2 to Part 1.
3. Blend well.
4. Press at 500 psi.

#### Description

This powder features SESQ-CL3, which gives a creamy cushion with improved payoff. SERICITE GMS-4C gives a glide-on application. The Silane-Treated Pigments disperse easily, adhere to the skin, and resist darkening during wear. ZINC MYRISTATE also contributes to great feel and adherence on the skin.

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[www.koboproducts.com](http://www.koboproducts.com)