

Silane & Polyhydroxystearic Acid Hybrid Treatment



INCI name: Triethoxycaprylylsilane (And) Polyhydroxystearic Acid

Code: 11SP

Kobo now offers a double treatment of silane and polyhydroxystearic acid (11SP). This patented treatment renders the pigments and powders hydrophobic and lipophilic.

The properties of 11SP exhibit the same properties of 11S which allow the pigments and powders to be easily dispersed into esters, mineral oils, and silicone fluids. Due to its hydrophobic and lipophilic properties, a higher pigment

loading can be achieved. In addition, 11SP also offers the ability to make a pressed powder using dimethicone as the sole liquid binder, while providing an ultra creamy feel with excellent spreadability without a glazing effect.

Patent US #9254398B2; WO #2010111279; CN #102361702B; JP #6184099B2; EP #2411162A4

Self-dispersible coated metal oxide powder, and process for production and use

Trade Name	INCI Name	Product Type
BWRO-11SP (C33-8001)	Iron Oxides (CI 77491) (And) Triethoxycaprylylsilane (And) Polyhydroxystearic Acid	Red Iron Oxides
BWYO-11SP (C33-9001)	Iron Oxides (CI 77492) (And) Triethoxycaprylylsilane (And) Polyhydroxystearic Acid	Yellow Iron Oxides
BWBO-11SP (C33-7001)	Iron Oxides (CI 77499) (And) Triethoxycaprylylsilane (And) Polyhydroxystearic Acid	Black Iron Oxides
BTD-11SP	Titanium Dioxide (And) Triethoxycaprylylsilane (And) Polyhydroxystearic Acid	Pigmentary Titanium Dioxide
RBTD-671-11SP	Titanium Dioxide (And) Triethoxycaprylylsilane (And) Polyhydroxystearic Acid	Pigmentary Titanium Dioxide
GMS-11SP	Mica (And) Triethoxycaprylylsilane (And) Polyhydroxystearic Acid	Sericite
MICA S-25-11SP	Mica (And) Triethoxycaprylylsilane (And) Polyhydroxystearic Acid	Mica
TALC N-11SP	Talc (And) Triethoxycaprylylsilane (And) Polyhydroxystearic Acid	Talc



KPP-031A

Silky Powder with 11SP Treatment

Part 1

- TALC N-11SP - Kobo Products: Talc (And) Triethoxycaprylylsilane (And) Polyhydroxystearic Acid 51.20%
- GMS-11SP - Kobo Products: Mica (And) Triethoxycaprylylsilane (And) Polyhydroxystearic Acid 35.00%
- BTD-11SP - Kobo Products: Titanium Dioxide (And) Triethoxycaprylylsilane (And) Polyhydroxystearic Acid 7.50%
- BWYO-11SP (C33-9001) - Kobo Products: Iron Oxides (CI 77492) (And) Triethoxycaprylylsilane (And) Polyhydroxystearic Acid 0.90%
- BWRO-11SP (C33-8001) - Kobo Products: Iron Oxides (CI 77491) (And) Triethoxycaprylylsilane (And) Polyhydroxystearic Acid 0.30%
- BWBO-11SP (C33-7001) - Kobo Products: Iron Oxides (CI 77499) (And) Triethoxycaprylylsilane (And) Polyhydroxystearic Acid 0.10%

Part 2

- ELEMENT14 PDMS 350 - Momentive: Dimethicone 5.00%

Manufacturing Procedure

1. Micropulverize Part 1 until color is fully developed.
2. Add Part 2 to Part 1.
3. Blend well.
4. Press at 250 psi.

Description

This silky feeling pressed powder contains Kobo's 11SP treated pigments and fillers. By using the combination of 11SP and dimethicone as the sole binder, this powder shows good pressability at low pressure and gives an ultra creamy feel.

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