

# Hybrid

## Surface Treatment

### Polyhydroxystearic Acid & Silane (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 #9254398; China #ZL 201080013615.8

Self-Dispersible Coated Metal Oxide Powder, and Process for Production and Use

Trade Name	INCI Name	Product Type
BWBO-11SP (C33-7001)	Iron Oxides (CI 77499) (And) Triethoxycaprylylsilane (And) Polyhydroxystearic Acid	Black Iron Oxides
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
BTD-11SP	Titanium Dioxide (And) Triethoxycaprylylsilane (And) Polyhydroxystearic Acid	Pigmentary Titanium Dioxide
<span>New</span> 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

## Silky Powder with 11SP Treatment

### Formula KPP-031A

#### 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- Momeitive: 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.



# KOBO

**Kobo Products, Inc.**  
3474 So. Clinton Ave.  
So. Plainfield, NJ 07080  
USA  
tel +1 (908) 757-0033  
fax +1 (908) 757-0905

**Kobo Products, SAS**  
135 Rue Buissonniere  
Quartier Bouysset  
31670 LABEGE  
France  
tel +33 (0)5-62-88-77-40  
fax +33 (0)5-62-88-77-49

**Kobo Brasil Ltda.**  
Rua Bamboré n.41  
Ipiranga - São Paulo/SP  
04278-060  
Brasil  
tel +55 (11) 5062-0634