

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.

11SP exhibits 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.

US 9662280B2, 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	Iron Oxides (CI 77491) (And) Triethoxycaprylylsilane (And) Polyhydroxystearic Acid	Low Heavy Metal Red Iron Oxide
BRO-HP8-11SP	Iron Oxides (CI 77491) (And) Triethoxycaprylylsilane (And) Polyhydroxystearic Acid	Low Heavy Metal Red Iron Oxide
BWYO-11SP	Iron Oxides (CI 77492) (And) Triethoxycaprylylsilane (And) Polyhydroxystearic Acid	Low Heavy Metal Yellow Iron Oxide
BYO-HP-11SP	Iron Oxides (CI 77492) (And) Triethoxycaprylylsilane (And) Polyhydroxystearic Acid	Low Heavy Metal Yellow Iron Oxide
BWBO-11SP	Iron Oxides (CI 77499) (And) Triethoxycaprylylsilane (And) Polyhydroxystearic Acid	Low Heavy Metal Black Iron Oxide
BBO-HP-11SP	Iron Oxides (CI 77499) (And) Triethoxycaprylylsilane (And) Polyhydroxystearic Acid	Low Heavy Metal Black Iron Oxide
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
ZnO-PCC-11SP	Zinc Oxide (And) Triethoxycaprylylsilane (And) Polyhydroxystearic Acid	Pigmentary Zinc Oxide
GMS-11SP	Mica (And) Triethoxycaprylylsilane (And) Polyhydroxystearic Acid	Sericite
MICA S-25-11SP	Mica (And) Triethoxycaprylylsilane (And) Polyhydroxystearic Acid	Mica
ZnO-750-11SP	Zinc Oxide (And) Triethoxycaprylylsilane (And) Polyhydroxystearic Acid	UV-Attenuation ZnO



KCC-026B

Soft Focus Photo Finish Concealer

Part 1

● BELSIL® WO 5000 - Wacker Chemical Corporation: <i>Dimethicone (and) Caprylyl Dimethicone Ethoxy Glucoside</i>	12.00%
● DOWSIL™ 9041 Silicone Elastomer Blend - Dow Chemical: <i>Dimethicone (and) Dimethicone Crosspolymer</i>	5.00%
● KoboBlur™ 100 Natural - Kobo Products: <i>Silica (And) Cellulose (And) Mica (And) Barium Sulfate (And) Titanium Dioxide (And) Jojoba Esters</i>	5.00%
● Silkflo® 364 - Vantage Personal Care: <i>Hydrogenated Polydecene</i>	3.00%
● ASO-NJE2 - Kobo Products: <i>Aluminum Starch Octenylsuccinate (And) Jojoba Esters</i>	2.00%
● KSG-710 - Shin-Etsu: <i>Dimethicone (and) Dimethicone/Polyglycerin-3 Crosspolymer</i>	2.00%
● Lameform® TGI - BASF Care Creations: <i>Polyglycerol-3 Diisostearate</i>	1.50%
● BELSIL® TMS 803 - Wacker Chemical Corporation: <i>Trimethylsiloxysilicate</i>	1.00%
● Liponate™ TDTM - Vantage Personal Care: <i>Tridecyl Trimellitate</i>	1.00%
● XIAMETER™ PMX-200 Silicone Fluid 5 cSt - Dow Chemical: <i>Dimethicone</i>	1.00%
● Tinogard® TT - BASF Care Creations: <i>Pentaerythrityl Tetra-di-t-butyl Hydroxyhydrocinnamate</i>	0.01%

Part 2

● DERMOL DCC - Alzo International: <i>Dicaprylyl Carbonate</i>	3.00%
● BENTONE® 38 - Elementis: <i>Disteardimonium Hectorite</i>	0.60%
● PROPYLENE CARBONATE - Sigma Aldrich: <i>Propylene Carbonate</i>	0.20%

Part 3

● BTD-11SP - Kobo Products: <i>Titanium Dioxide (And) Triethoxycaprylylsilane (And) Polyhydroxystearic Acid</i>	17.26%
● BWYO-11SP - Kobo Products: <i>Iron Oxides (CI 77492) (And) Triethoxycaprylylsilane (And) Polyhydroxystearic Acid</i>	2.08%
● BWRO-11SP - Kobo Products: <i>Iron Oxides (CI 77491) (And) Triethoxycaprylylsilane (And) Polyhydroxystearic Acid</i>	0.40%
● BWBO-11SP - Kobo Products: <i>Iron Oxides (CI 77499) (And) Triethoxycaprylylsilane (And) Polyhydroxystearic Acid</i>	0.26%

Part 4

● XIAMETER™ PMX-200 Silicone Fluid 5 cSt - Dow Chemical: <i>Dimethicone</i>	1.49%
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Part 5

● Deionized Water - <i>Water</i>	31.60%
● Butylene Glycol - Ruger Chemical Co., Inc.: <i>Butylene Glycol</i>	4.00%
● GLYCERIN U.S.P. F.C.C. 96% - Ruger Chemical Co., Inc.: <i>Glycerin</i>	3.00%
● Magnesium Sulfate Heptahydrate - Sigma Aldrich: <i>Magnesium Sulfate</i>	1.50%
● Euxyl™ PE 9010 - Ashland: <i>Phenoxyethanol (and) Ethylhexylglycerin</i>	0.90%
● Keltrol® CG - CP Kelco: <i>Xanthan Gum</i>	0.10%
● Natrlquest E30 - Innospec Performance Chemicals: <i>Trisodium Ethylenediamine Disuccinate</i>	0.10%

Manufacturing Procedure

1. Combine part 1 and mix under homogenizer at 1200rpm for 10-15 minutes at 70-75 °C.
2. Premix phase 2 separately until bentone begins to gel. Add to main vessel under homogenizer at 1200-1500rpm for 15-20 min or until bentone is fully dispersed.
3. Combine phase 3 and pulverize for two 30-sec. intervals. Scrape blade and side of vessel in between the intervals. Add phase 3 and 4 to main beaker and homogenize at 2500-3500rpm for 20-30 min at 70-75 °C.
4. Premix xanthan gum and glycerin. Add this premix and the rest of phase 5 and propeller mix at 70-75 °C for 20 min. or until water phase is homogenous.
5. Add phase 5 to main beaker slowly while homogenizing at 5000-5500rpm. Let the batch homogenize for 10-15 min at 65-70 °C.

Description

A medium to full coverage, multipurpose concealer that provides crease proof long wear and blurs imperfections, brightens skin tone, and corrects all in one. KoboBlur™ 100 Natural is a Soft Focus Complex made only of minerals and natural ingredients, using no plastic particles, with complimentary refractive indexes to scatter light in a wide range of formulas. This soft focus effect minimizes imperfections, blemishes, pores, and fine lines on the skin. ASO-NJE2 is a hydrophobically modified natural polymer, used as talc replacement. It improves aesthetics by reducing the greasiness of the formula and helps to absorb excess sebum from the skin, which leaves a dry and matte finish. Kobo's 11SP-treated pigments that disperse easily create the shade and provide a nice silky feel. This dual treatment allows for a higher pigment load to be achieved without drastically increasing viscosity.