

Fumed Silica Gellants





Kobo Products conveniently offers a variety of specialty gellants, particularly a segment allocated to fumed silica.

This high purity silica with aggregate length of approximately 0.3 microns is supplied to our clients in a pre-dispersed, homogenized form making it an easily manageable, dust free product. We offer an option of seven different dispersant media to choose from (including natural options of jojoba oil and castor oil) thus giving Kobo Products the ability to tailor to individual customer needs.

Fumed silica gels are characterized visually as clear, act as a viscosity boosting agent in liquid systems, and tend toward shear-thinning behavior. The high surface area, low bulk density of the fumed silica particulates produce gellants with low solids content ranging from five to fifteen percent depending on the media.

From an applications perspective, these specialty products have the ability to facilitate shine making them excellent for use in lip gloss, lipstick and hot pours. Pigment suspensions, emulsions, and gels are other areas of favorable use for these products. Natural CO15M5 has been successfully used in Kobo Products formulations KLP-030B (High Shine Lip gloss) and

KLP-032 (Natural Lip gloss) to achieve the goal of excellent wear and exceptional gloss in each case. Formula KLP-055A (Rich Color Lipstick) is achievable using silica dispersion SW5M5 to provide added shine and stability.

Trade Name	INCI Name
CO15M5 	<i>Ricinus Communis (Castor) Seed Oil (And) Silica</i>
DISM10M5	<i>Diisostearyl Malate (And) Silica</i>
DM57M5	<i>Dimethicone (And) Silica</i>
HL7M5	<i>Hydrogenated Polyisobutene (And) Silica</i>
IN7M5	<i>Isononyl Isononanoate (And) Silica</i>
JOS10M5 	<i>Simmondsia Chinensis (Jojoba) Seed Oil (And) Silica</i>
SW5M5	<i>Synthetic Wax (And) Silica</i>



KLP-030B

High Shine Lip Gloss

Part 1

- **CO15M5** - Kobo Products:
Ricinus Communis (Castor) Seed Oil (And) Silica 65.00%
- Castor Oil - Alzo International Inc.:
Ricinus Communis (Castor) Seed Oil 29.60%
- Ozokerite Wax White SP 1026P - Strahl & Pitsch, Inc.: *Ozokerite* 5.00%
- **KTZ® CLASSIC WHITE** - Kobo Products:
Mica (And) Titanium Dioxide 0.30%
- **SW40R7C** - Kobo Products: *Synthetic Wax (And) Red 7 Lake (And) Isopropyl Titanium Triisostearate* 0.10%

Manufacturing Procedure

1. Combine all ingredients and heat to 80°C.
2. Mix well until the wax is melted and color is fully dispersed.

Description

This formula includes **CO15M5** to provide both excellent wear and super gloss. Kobo's Pigmentary Dispersion, SW40R7C, along with KTZ® CLASSIC WHITE, give excellent color development.

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KLP-271

Natural Tinted Lip and Cheek Protector Balm

**Part 1**

- GCP45XZJ - Kobo Products: *Caprylic/Capric Triglyceride (And) Zinc Oxide (And) Polyhydroxystearic Acid (And) Jojoba Esters* 20.00%
- JOSP55XZJ - Kobo Products: *Zinc Oxide (And) Simmondsia Chinensis (Jojoba) Seed Oil (And) Polyhydroxystearic Acid (And) Jojoba Esters* 18.00%
- Protachem™ CTG - SProtameen: *Caprylic/Capric Triglyceride* 15.00%
- JOS10M5 - Kobo Products: *Simmondsia Chinensis (Jojoba) Seed Oil (And) Silica* 10.00%
- SunBoost ATB Natural - Kobo Products: *Argania Spinosa Kernel Oil (And) Tocopheryl Acetate (And) Bisabolol* 4.00%
- Lexgard® Natural - Inolex: *Glyceryl Caprylate (And) Glyceryl Undecylenate* 1.00%

Part 2

- JOH55RJE - Kobo Products: *Iron Oxides (CI 77491) (And) Simmondsia Chinensis (Jojoba) Seed Oil (And) Jojoba Esters (And) Polyglyceryl-6 Polyricinoleate (And) Silica* 2.00%

Part 3

- CARNAUBA WAX SP 63P - Strahl & Pitsch: *Copernicia Cerifera (Carnauba) Wax* 8.00%
- CANDELILLA WAX SP-75 - Strahl & Pitsch: *Euphorbia Cerifera (Candelilla) Wax* 5.00%
- Plandool™-G - Nippon/Kobo Products: *Bis-Behenyl/Isostearyl/Phytosteryl Dimer Dilinoleyl Dimer Dilinoleate* 4.00%
- Cetiol® SB 45 - BASF: *Shea Butter* 3.00%
- Plandool™-LG4 - Nippon/Kobo Products: *Phytosteryl/Behenyl/Octyldodecyl Lauroyl Glutamate* 3.00%
- MANGO BUTTER - RITA: *Mangifera Indica (Mango) Seed Butter* 2.00%

Part 4

- MSS-500/3H - Kobo Products: *Silica* 5.00%

Manufacturing Procedure

1. Combine ingredients in Part 1 and propeller mix until uniform.
2. Add Part 2 and continue propeller mixing. Start heating to 85°C.
3. Add Part 3 when batch reaches 85°C.
4. Once fully uniform and waxes have melted, slowly sprinkle Part 4 to batch.
5. Pour into components at 85°C.

Description

This buttery natural balm nourishes and soothes lips and provides a rosy tint for a pop of color with sun protection. Natural attenuation grade dispersions, GCP45XZJ and JOSP55XZJ, provide sun protection. SunBoost ATB Natural boosts sun protection and nourishes, conditions and soothes lips due to its argan oil, bisabolol and vitamin E content. JOS10M5, a fumed silica gellant in Jojoba Oil, adds skin conditioning properties. JOH55RJE contributes to the rosy shade. Plandool™-G and Plandool™-LG4 work together to provide skin barrier moisture protection. MSS-500/3H offers an even application, increases payoff and enhances feel.