

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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KMU-018F

Color Correcting Stick - Pastel Yellow

Part 1

● Dermol 1818 - Alzo International Inc.: <i>Isotreyal Isostearate</i>	27.00%
● Protachem™ CTG - Protameen: <i>Caprylic/Capric Triglyceride</i>	16.50%
● CIO - Barnet: <i>Cetyl Ethylhexanoate</i>	5.00%
● SW5M5 - Kobo Products: <i>Synthetic Wax (And) Silica</i>	5.00%
● Beeswax White Sp 422P - Strahl & Pitsch: <i>Beeswax</i>	3.00%
● Candelilla Wax MK-2 - Strahl & Pitsch: <i>Euphorbia Cerifera (Candelilla) Wax</i>	3.00%
● Xiameter® PMX-200 Silicone Fluid 1000 CS - Dow Corning: <i>Dimethicone</i>	2.00%
● SF1642 - Momentive: <i>C30-45 Alkyl Dimethicone</i>	1.00%
● BV-OSC - Barnet: <i>Tetrahexyldecyl Ascorbate</i>	0.50%

Part 2

● KoboMica Y-08 - Kobo Products: <i>Mica</i>	19.00%
● Diasphere® KS-1000 - Kolon/Kobo Products: <i>Polymethylsilsesquioxane</i>	10.00%
● BTD-ASG2 - Kobo Products: <i>Titanium Dioxide (And) Stearoyl Glutamic Acid</i>	7.00%
● Microcare® PPD - Thor Personal Care: <i>Talc (And) Phenoxyethanol (And) Decylene Glycol (And) Hydrated Silica</i>	0.50%
● YELLOW 5AL-ASG4 - Kobo Products: <i>Yellow 5 Lake (And) Stearoyl Glutamic Acid</i>	0.50%

Manufacturing Procedure

1. Place Part 1 in a beaker and heat to 80°C.
2. Add Part 2 and micropulverize on low until color is fully developed and fully homogeneous.
3. Add Part 2 to Part 1 and mix until fully uniform.
4. Pour into stick component at 65-70°C.

Description

This Color Correcting Concealer Stick in Pastel Yellow is to help brighten and correct pink, purple and mild red hues. It features Kobo's Fumed Silica Gellant **SW5M5** to give the formula the ability to glide upon application under the eye. It also features Kobo's ASG treated pigments, YELLOW 5AL-ASG4 and BTD-ASG2, which offer good adhesion of color onto the skin as well as a creamy feel. KoboMica Y-08 helps give the concealer a nice, dry after feel. Microsphere Diasphere® KS-1000 will also give the formula a dry after feel as well as slip and a soft focus effect, perfect for under the eyes.