KOBOSPHERE™ NATURAL BBS-ASG4



High-Performance Beauty, Rooted In Nature:

Next-gen natural microsphere sustainably harvested from the Amazon rainforest for high-performance beauty

Upcycled babassu starch extracted from the babassu coconut, treated with a natural amino acid, that supports ethical sourcing and sustainable harvesting with Amazonian communities



KOBOSPHERE™ NATURAL BBS-ASG4

INCI Name: Amylopectin (And) Stearoyl Glutamic Acid
Mean Particle Size: 8 um
Oil Absorption: low (29 g/100g)
Refractive Index: 1.535
NI / NOI ISO 16128: 0/1

Advantages of KOBOSPHERE™ NATURAL BBS-ASG4

Microplastic Alternative	A natural, high-performance alternative to synthetic microspheres (microplastics), offering similar sensory and functional benefits.
Soft-Focus Effect	Diffuses light optically, helping to visibly blur fine lines, wrinkles, and pores for a smoother, more even-toned appearance.
Enhanced Sensory Experience	Imparts a velvety feel, providing a dry touch and non greasy finish.
Eco-Conscious	Sustainably upcycled from Amazonian resources, this ingredient empowers local communities and supports a traceable, eco-conscious process. It is vegan, RSPO-certified, GMO-free, and complies with Brazilian Biodiversity regulations.
Surface Treated	Amino Acid coating offers hydrophobic properties and gives a creamy feel with enhanced skin adhesion.

Formulation Guidelines

- Typical Use Level: 1-20%
- Can be applied to body and face lotions, suncare, makeup products, bar soaps, and hair products



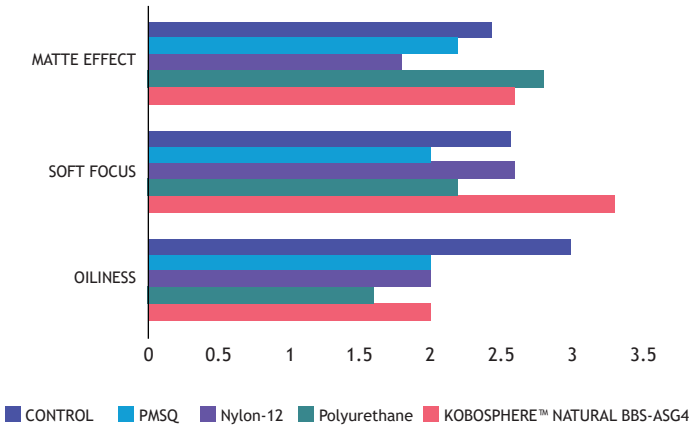




PERFORMANCE

Sensory Panel Testing

Formulations containing microspheres were evaluated in a panel test of 15 people with a control formula. Test attributes were assessed on a 5-point scale.



KOBOSPHERE™ NATURAL BBS-ASSG4

- ✓ Has the highest soft focus score, meaning it provided the best blurring of imperfections.
- ✓ Performs the same as Polyurethane in providing a matte finish
- ✓ Performs the same as Nylon-12 and PMSQ in perceived dry feel and reduced oiliness of the control

KCC-032A-BR

Total Cover Moisturizing Concealer

Part 1

• Water - *Water*	25.10%
• Glycerin - *Glycerin*	3.00%
• Magnesium Sulfate - CAAL: *Magnesium Sulfate*	1.00%
• SYMDIOL 68 - SYMRISE: *1,2-Hexanediol (And) Caprylyl Glycol*	0.80%
• **Hyaoligo®** - Focus Freda/Kobo Products: *Sodium Hyaluronate*	0.50%

Part 2

• **BTD-TTB2** - Kobo Products: *Titanium Dioxide (And) Isopropyl Titanium Triisostearate (And) Triethoxysilylethyl Polydimethylsiloxyethyl Dimethicone*	13.80%
• CETIOL ULTIMATE - BASF: *Undecane (And) Tridecane*	11.60%
• Isododecane - COSMOTEC: *Isododecane*	10.00%
• BENTONE GEL® DM5 V - ELEMENTIS: *Dimethicone (and) Disteardimonium Hectorite (and) Triethyl Citrate*	7.00%
• DIMETHICONE 10 CST - WACKER: *Dimethicone*	5.00%
• ISOLAN GI 34 - EVONIK: *Polyglyceryl-4 Isostearate*	4.00%
• **BWYO-TTB2** - Kobo Products: *Iron Oxides (CI 77492) (And) Isopropyl Titanium Triisostearate (And) Triethoxysilylethyl Polydimethylsiloxyethyl Dimethicone*	3.10%
• ABIL EM 180 - EVONIK: *Cetyl PEG/PPG-10/1 Dimethicone*	2.00%
• **Plandool™-H** - Nippon/Kobo Products: *Phytosteryl/Isostearyl/Cetyl/Stearyl/Behenyl Dimer Dilinoleate*	1.00%
• **SALACOS® HS-6C** - Ikeda/Kobo Products: *Polyhydroxystearic Acid*	1.00%
• THIXCIN R PC - ELEMENTIS: *Trihydroxystearin*	1.00%
• **BGRO-TTB2** - Kobo Products: *Iron Oxides (CI 77491) (And) Isopropyl Titanium Triisostearate (And) Triethoxysilylethyl Polydimethylsiloxyethyl Dimethicone*	0.65%
• **BGBO-TTB2** - Kobo Products: *Iron Oxides (CI 77499) (And) Triethoxysilylethyl Polydimethylsiloxyethyl Dimethicone (And) Isopropyl Titanium Triisostearate*	0.45%

Part 3

• **NOMCORT® HK-G** - Ikeda/Kobo Products: *Glyceryl Behenate/Eicosadioate*	1.00%

Part 4

• **KOBOSPHERE™ NATURAL BBS-ASG4** - Kobo Products: *Amylopectin (And) Stearoyl Glutamic Acid*	5.00%
• **FLORITE PS-10 C-grade** - Kobo Products: *Calcium Silicate*	2.00%
• **KOBOPEARL® EF-8** - Kobo Products: *Mica (And) Titanium Dioxide (And) Barium Sulfate*	1.00%

Manufacturing Procedure

1. Combine part 1 and mix ultil complete dispersion/solubilization of Hyaoligo®.
2. Combine part 2 and mix util complete dispersion of pigments.
3. Add part 3 at part 2 and heat up until 75°C. Heat part 1 up until 75°C simultaneously.
4. When both phases are at the same temparature, add part 1 to part 2 and 3 and mix at 5000 RPM for 5 minutes.
5. Cool down to 35°C and add part 4.

Description

High Coverage Meets Hydration: This high-performance concealer delivers full coverage with moisturizing benefits and a comfortable satin finish.
Key Ingredients & Benefits:
KOBOSPHERE™ NATURAL BBS-ASG4, a plastic-free natural microsphere that promotes a soft focus effect, matte finish, and enhanced skin feel. Kobo's TTB Surface Treatment, Titanium Dioxide and Iron Oxides surface treated with ITT making it easily dispersible in esters, silicones, and hydrocarbons for smooth, even coverage. Hyaoligo®, a low molecular weight sodium hyaluronate that deeply hydrates from the inside out. Plandool™-H, a powerful moisturizing agent that helps retain and lock in hydration. KOBOPEARL® EF-8, a mica-based effect filler that imparts a radiant, lit-from-within glow.

Not all products are available in all regions. Please contact your Kobo sales representative for more information