

Amino Acid Treatment



INCI name: Stearoyl Glutamic Acid

Code: ASG

Kobo Products offers a new amino acid treatment which can be applied to pigments, lakes and fillers. This **ASG treatment** renders powders hydrophobic; it helps them disperse easily in anhydrous systems and facilitates color development. In formulation, it gives a creamy feel, particularly in powder formulas. When applied on the skin, it imparts a moist feel and promotes skin adhesion. **ASG treatment** is natural and some of the treated pigments and fillers have received Ecocert / Cosmos approval.



Applications

Emulsions, hot pours, anhydrous gels, and powders. Materials offered presently include Iron Oxides, Organic Pigments, Titanium Dioxide, Mica, and Non-Nano Zinc Oxide. Formulation examples include a Creamy Pressed Powder and a Liquid Foundation, both employing the ASG treatment for enhanced feel and full color development.

Trade Name	INCI Name	Product type
BRO-ASG3	Iron Oxides (CI 77491) (And) Stearoyl Glutamic Acid	Red Iron Oxide
BYO-ASG3	Iron Oxides (CI 77492) (And) Stearoyl Glutamic Acid	Yellow Iron Oxide
BBO-ASG3	Iron Oxides (CI 77499) (And) Stearoyl Glutamic Acid	Black Iron Oxide
BGCO-ASG4	Chromium Oxide Greens (And) Stearoyl Glutamic Acid	Green Chromium Oxide
BMV-ASG4	Manganese Violet (CI 77742) (And) Stearoyl Glutamic Acid	Manganese Violet
BTD-ASG2	Titanium Dioxide (And) Stearoyl Glutamic Acid	Pigmentary TiO ₂
BLUE 1AL-ASG4	Blue 1 Lake (And) Stearoyl Glutamic Acid	FD&C Blue No. 1 Aluminum Lake
RED 7CA D-ASG4	Red 7 Lake (CI 15850) (And) Stearoyl Glutamic Acid	D&C Red No. 7 Calcium Lake
YELLOW 5AL-ASG4	Yellow 5 Lake (CI 19140) (And) Stearoyl Glutamic Acid	FD&C Yellow No. 5 Aluminum Lake
CELLULOBEADS D-5-ASG3	Cellulose (And) Stearoyl Glutamic Acid	Natural Polymer Microsphere
GMS-ASG3	Mica (And) Stearoyl Glutamic Acid	Sericite
MICA S-ASG3	Mica (And) Stearoyl Glutamic Acid	Mica
TALC N-ASG4	Talc (And) Stearoyl Glutamic Acid	Talc
A10-TiO2-SA-ASG8	Titanium Dioxide (And) Aluminum Hydroxide (And) Stearoyl Glutamic Acid (And) Hydrated Silica	UV-Attenuation TiO ₂
ZnO-750-ASG5	Zinc Oxide (And) Stearoyl Glutamic Acid	UV-Attenuation ZnO
ZnO-C-ASG3J	Zinc Oxide (And) Stearoyl Glutamic Acid	UV-Attenuation ZnO
A1K-TiO2-ASG3	Titanium Dioxide (And) Aluminum Hydroxide (And) Stearoyl Glutamic Acid	IR-Attenuation TiO ₂
TiO2-IR300-ASG3	Titanium Dioxide (And) Stearoyl Glutamic Acid	IR-Attenuation TiO ₂



Raw material approved by Ecocert in accordance with the Cosmos and Ecocert Standards (w/ petrochemical)



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KMU-023B

Natural Eyebrow Filler

Part 1

- MICA S-ASG3 - Kobo Products:
Mica (And) Stearoyl Glutamic Acid 15.65%
- ZnO-C-ASG3J - Kobo Products:
Zinc Oxide (And) Stearoyl Glutamic Acid 15.65%
- BBO-ASG3 - Kobo Products:
Iron Oxides (CI 77499) (And) Stearoyl Glutamic Acid 9.04%
- MSS-500W - Kobo Products: *Silica* 7.87%
- BRO-ASG3 - Kobo Products:
Iron Oxides (CI 77491) (And) Stearoyl Glutamic Acid 5.50%
- BYO-ASG3 - Kobo Products:
Iron Oxides (CI 77492) (And) Stearoyl Glutamic Acid 3.14%

Part 2

- Protachem™ CTG - Protameen:
Caprylic/Capric Triglyceride 18.37%
- Cetiol® CC - BASF:
Dicaprylyl Carbonate 7.60%
- SunBoost ATB Natural - Kobo Products:
Argania Spinosa Kernel Oil (And) Tocopheryl Acetate (And) Bisabolol 4.75%
- COSMOL™ 43V - Ikeda:
Polyglyceryl-2 Triisostearate 3.63%
- Carnauba Wax SP 63P - Strahl & Pitsch:
Copernicia Cerifera (Carnauba) Wax 0.40%
- Plandool™-LG1 - Kobo Products:
Phytosteryl/Behenyl/Octylododecyl Lauroyl Glutamate 1.00%

Part 3

- Vegelight™1214 LC - Grant Industries, Inc.:
Coconut Alkanes (And) Coco-Caprylate/Caprate 5.00%
- Polyaldo™ 10-1-0 K FG - Lonza:
Polyglyceryl-10 Oleate 1.00%
- Lexgard® Natural - Inolex:
Glyceryl Caprylate (And) Glyceryl Undecylenate 0.40%

Part 4

- CELL-U-LASH™ 40 - Kobo Products: *Cellulose* 1.00%

Manufacturing Procedure

1. Blend Part 1.
2. Heat Part 2 to 80°C under propeller agitation.
3. Slowly add Part 1 to Part 2 under prop mixer and start to gradually cool.
4. Slowly add Parts 3 and 4, respectively, to Parts 1 and 2 at 45°C.

Description

This natural eyebrow filler features Kobo's **ASG treated fillers and pigments** which help to impart color, payoff and adhesion to brows. Kobo's silica microsphere, MSS-500W, provides payoff and glide during application. SunBoost ATB Natural is a proprietary ratio of anti-oxidant, anti-irritant and anti-inflammatory agents that nourishes brows. Kobo's cellulose fiber, CELL-U-LASH™ 40, fills in brows making them appear more even and covers sparse areas. Plandool™-LG1 improves malleability of the wax complex which increases bulk transfer to the brow.



KCP-050

Sculpting Cream-to-Powder Concealer with US-450

Part 1

- ELEMENT14 PDMS 5-A - Momentive: *Dimethicone* 14.00%
- CXG-1104 - Avantor/Kobo Products: *Dimethicone (And) Dimethicone/Vinyl Dimethicone Crosspolymer* 9.90%
- Versagel® ME750 - Penreco: *Hydrogenated Polyisobutene (and) Ethylene/Propylene/Styrene Copolymer (and) Butylene/Ethylene/Styrene Copolymer* 7.70%
- COSMOL™ 222 - Ikeda: *Diisostearyl Malate* 6.00%
- KOBOGUARD® MQ60DM - Kobo Products:
Trimethylsiloxysilicate (And) Dimethicone 4.70%
- SW5M5 - Kobo Products: *Synthetic Wax (And) Silica* 3.00%
- Lameform® TGI - Cognis: *Polyglycerol-3 Diisostearate* 2.60%
- Velviesil 034 - Momentive: *Caprylyl Methicone (And) C30-45 Alkyl Cetearyl Dimethicone Crosspolymer* 1.65%
- PHENOXETOL - Clariant: *Phenoxyethanol* 0.60%

Part 2

- PM WAX 82 - Toray/Kobo Products:
Polyethylene (And) Microcrystalline Wax 4.95%
- NOMCORT® HK-G - Ikeda: *Glyceryl Behenate/Eicosadioate* 1.65%
- Softisan® 100 - Sasol: *Hydrogenated Coco-Glycerides* 0.85%

Part 3

- US-450 - Nikko/Kobo Products: *HDI/Trimethylol Hexyllactone Crosspolymer (And) Polymethylsilsesquioxane* 25.00%
- BTD-ASG2 - Kobo Products: *Titanium Dioxide (And) Stearoyl Glutamic Acid* 14.65%
- BYO-ASG3 - Kobo Products: *Iron Oxides (CI 77492) (And) Stearoyl Glutamic Acid* 1.95%

- BRO-ASG3 - Kobo Products: *Iron Oxides (CI 77491) (And) Stearoyl Glutamic Acid* 0.60%
- BBO-ASG3 - Kobo Products: *Iron Oxides (CI 77499) (And) Stearoyl Glutamic Acid* 0.10%

Part 4

- S-6W-6 - Shin-Etsu: *Simethicone* 0.10%

Manufacturing Procedure

1. Combine Part 1. Prop mixing, heat to 85°C.
2. Slowly add Part 2 to batch until homogeneous.
3. Micronize Part 3 until the color is fully developed.
4. Slowly add Part 3 in increments, then add Part 4.
5. Pour at 75°C.

Description

This is an anhydrous hot pour (balm) that transforms into a powder when applied on skin. US-450 acts as a payoff enhancer and provides protection from Blue Light. CXG-1104 is a silicone elastomer that imparts a silky, powdery after feel. KOBOGUARD® MQ60DM is an oil phase resin dispersed in Dimethicone. This flexible film former improves wear. Kobo's fumed silica gellant, SW5M5, gives the formula the ability to glide upon application. PM WAX 82 is a combination of hydrocarbon waxes used to structure the formula. **ASG treated pigments** provide a creamy feel and ease the process of dispersion.

KOBO

ASG Treatment

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