

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



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/Octyldodecyl 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.



KLF-309F-EU

## Deep Shade, TiO2-Free Foundation with Non-nano Zinc Oxide

### Part 1

- Dub 810 C - Stearinerie Dubois: *Coco Caprylate/Caprate* 17.30%
- SunBoost ATB Natural - Kobo Products: *Argania Spinosa Kernel Oil (And) Tocopheryl Acetate (And) Bisabolol* 2.20%

### Part 2

- ZnO-C-ASG3J - Kobo Products: *Zinc Oxide (And) Stearoyl Glutamic Acid* 27.00%
- BWRO-ASGP3 - Kobo Products: *Iron Oxides (CI 77491) (And) Stearoyl Glutamic Acid (And) Polyhydroxystearic Acid* 3.00%
- BWYO-ASGP3 - Kobo Products: *Iron Oxides (CI 77492) (And) Stearoyl Glutamic Acid (And) Polyhydroxystearic Acid* 3.00%
- BWBO-ASGP3 - Kobo Products: *Iron Oxides (CI 77499) (And) Stearoyl Glutamic Acid (And) Polyhydroxystearic Acid* 3.00%

### Part 3

- Emulium® Illustrro - Gattefossé: *Polyglyceryl-6 Polyhydroxystearate (and) Polyglyceryl-6 Polyricinoleate (and) Polyglycerin-6* 4.00%
- Acticire® MB - Gattefossé: *Jojoba Esters (And) Helianthus Annuus (Sunflower) Seed Wax, Acacia Decurrens Flower Wax (And), Polyglycerin-3* 2.00%

### Part 4

- Deionized Water - Water 30.00%
- Glycerin - Univar: *Glycerin* 2.00%
- Zemea® - Du Pont & Tate: *Propanediol* 2.00%

- Mg Sulfate Hept - Fisher Scientific: *Magnesium Sulphate Heptahydrate* 1.00%
- Symsave® H - Symrise: *Hydroxyacetophenone* 0.35%
- SymDiol® 68 - Symrise: *1,2-Hexanediol (And) Caprylyl Glycol* 0.35%

### Part 5

- ASO-NJE2 - Kobo Products: *Aluminum Starch Octenylsuccinate (And) Jojoba Esters* 2.00%
- MSS-500W - Kobo Products: *Silica* 1.00%

### 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 W/O foundation provides high but very even and homogeneous looking coverage and a cashmere feel. The ASGP-treated Iron Oxides disperse easily and quickly in the esters to provide the deep rich color and great skin adhesion. ZnO-C-ASG3J, an ASG-treated, easy to disperse, non-nano Zinc Oxide is providing opacity. SunBoost ATB Natural provides antioxidant skin protection. This formula also contains MSS-500W, a spherical silica and ASO-NJE2, with a very soft and creamy feel, to provide the pleasant sensory and mattify the finish.

**KOBO**

ASG Treatment

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