

ASG Treatment



Kobo Products offers a new amino acid treatment (*INCI name: Stearoyl Glutamic Acid*) 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
New A10-TiO ₂ -SA-ASG8	Titanium Dioxide (And) Aluminum Hydroxide (And) Stearoyl Glutamic Acid (And) Hydrated Silica	Non-Nano TiO ₂
New ZnO-C-ASG3J	Zinc Oxide (And) Stearoyl Glutamic Acid	Non-Nano Zinc Oxide
ZnO-750-ASG5		UV Pigment Zinc Oxide
New TiO ₂ -IR300-ASG3	Titanium Dioxide (And) Stearoyl Glutamic Acid	IR Blocker
New A1K-TiO ₂ -ASG3	Titanium Dioxide (And) Aluminum Hydroxide (And) Stearoyl Glutamic Acid	
BTD-ASG2*	Titanium Dioxide (And) Stearoyl Glutamic Acid	Pigmentary Titanium Dioxide
BBO-ASG3*	Iron Oxides (CI 77499) (And) Stearoyl Glutamic Acid	Black Iron Oxide
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
BGCO-ASG4	Chromium Oxide Greens (And) Stearoyl Glutamic Acid	Green Chromium Oxide
BMV-ASG4	Manganese Violet (CI 77742) (And) Stearoyl Glutamic Acid	Manganese Violet
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
BLUE 1AL-ASG4	Blue 1 Lake (And) Stearoyl Glutamic Acid	FD&C Blue No.1 Aluminum Lake
GMS-ASG3	Mica (And) Stearoyl Glutamic Acid	Sericite
MICA S-ASG3		Mica
TALC N-ASG4	Talc (And) Stearoyl Glutamic Acid	Talc



COSMOS APPROVED

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

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KPP-063E

Creamy Pressed Powder with ASG Treatment

Part 1

- **GMS-ASG3** - Kobo Products:
Mica (And) Stearoyl Glutamic Acid 70.48%
- **MST-547** - Kobo Products:
Polymethylsilsesquioxane 10.00%
- **BTD-ASG2** - Kobo Products:
Titanium Dioxide (And) Stearoyl Glutamic Acid 7.00%
- **ZINC MYRISTATE** - Kobo Products: *Zinc Myristate* 2.20%
- **BYO-ASG3** - Kobo Products:
Iron Oxides (CI 77492) (And) Stearoyl Glutamic Acid 1.00%
- **BRO-ASG3** - Kobo Products:
Iron Oxides (CI 77491) (And) Stearoyl Glutamic Acid 0.86%
- **BBO-ASG3** - Kobo Products:
Iron Oxides (CI 77499) (And) Stearoyl Glutamic Acid 0.46%

Part 2

- **Lexol® PG-865** - Inolex Chemical Company:
Propylene Glycol Dicaprylate/Dicaprate 2.50%
- **Xiameter® PMX-200 SILICONE FLUID 20CS**
- Dow Corning: *Dimethicone* 2.50%
- **Xiameter® PMX-200 SILICONE FLUID 350 CS**
- Dow Corning: *Dimethicone* 2.00%
- **SS4267** - Momentive:
Dimethicone (And) Trimethylsiloxysilicate 1.00%

Manufacturing Procedure

1. Micropulverize Part 1 until color is fully developed.
2. Add Part 2 to Part 1.
3. Blend well.
4. Press at 700 psi.

Description

This pressed powder applies smoothly as a result of Kobo's **ASG treated** materials in combination with MST-547 to enhance product payoff. Powder compressibility is addressed with our dry binder, ZINC MYRISTATE, to help keep our formula robust.



KLF-170C-BR

Anti-Pollution Foundation



Part 1

- Deionized Water - *Water* 34.20%
- Glycerin - CAAL: *Glycerin* 2.00%
- Cloreto de sódio - CAAL: *Sodium Chloride* 0.80%
- **CosmeHerbest™ SEABERRY** - Ikeda/Kobo Products:
Water (And) Propanediol (And) Hippophae Rhamnoides Fruit Extract 0.50%

Part 2

- **INH73MZ** - Kobo Products: *Zinc Oxide (And) Isononyl Isononanoate (And) Polyglyceryl-6 Polyricinoleate (And) Isopropyl Titanium Triisostearate* 17.00%
- **INP60T7** - Kobo Products: *Titanium Dioxide (And) Isononyl Isononanoate (And) Alumina (And) Hydrogen Dimethicone (And) Polyhydroxystearic Acid* 9.00%
- **Xiameter PMX-0245** - Dow Corning: *Cyclopentasiloxane* 8.00%
- **SALACOS® 99** - Ikeda/Kobo Products: *Isononyl Isononanoate* 5.00%
- **BTD-ASG2** - Kobo Products:
Titanium Dioxide (And) Stearoyl Glutamic Acid 4.40%
- **Bentone Gel® VS 5 PCV** - Elementis/Cosmotec:
Cyclopentasiloxane (And) Distearidimonium Hectorite (And) Propylene Carbonate 4.00%
- **KF-6017** - Shin-Etsu: *PEG-10 Dimethicone* 3.00%
- **SunBoost ATB™** - Kobo Products: *Argania Spinosa Kernel Oil (And) Tocopheryl Acetate (And) Bisabolol* 1.50%
- **BYO-ASG3** - Kobo Products: *Iron Oxides (CI 77492) (And) Stearoyl Glutamic Acid* 1.13%
- **Liposorb® O** - Vantage: *Sorbitan Oleate* 1.00%
- **Optiphen** - Cosmotec: *Caprylyl Glycol (And) Phenoxyethanol* 1.00%
- **BRO-ASG3** - Kobo Products: *Iron Oxides (CI 77491) (And) Stearoyl Glutamic Acid* 0.30%
- **BBO-ASG3** - Kobo Products: *Iron Oxides (CI 77499) (And) Stearoyl Glutamic Acid* 0.17%

Part 3

- **Composite ACT-50** - Kobo Products: *Titanium Dioxide (And) Acrylates Copolymer (And) Hydrated Silica (And) Algin (And) Aluminum Hydroxide* 5.00%
- **DAIMICBEAZ CM-1157** - Kobo Products:
HDI/Trimethylol Hexyllactone Crosspolymer (And) Silica Silylate 2.00%

Manufacturing Procedure

1. Combine Part 1.
2. Mix Part 2 at 800 rpm until complete dispersion of the pigments.
3. Add Part 1 to Part 2 while mixing.
4. Add Part 3 and mix at 600 rpm.

Description

This foundation was developed to protect the skin from pollution and features CosmeHerbest™ SEABERRY, an extract that reduces skin irritation and has a moisturizing and anti-inflammatory effect. It also has SPF provided by the Zinc and Titanium dispersions: INH73MZ and INP60T7, and Composite ACT-50, a micron size Acrylates Copolymer matrix with TiO2 entrapped. To give an antioxidant effect, this foundation features SunBoost ATB™, a proprietary mixture of antioxidant, anti-irritant and anti-inflammatory agents. **ASG treated pigments** are coated with an amino acid with a very creamy feel. DAIMICBEAZ CM-1157 is a microsphere that gives soft focus and enhanced feel. SALACOS® 99 is a light ester that increases spreadability.

Active Ingredients

- Titanium Dioxide 4.30%
- Zinc Oxide 12.07%

KOBO**ASG Treatment**

www.koboproducts.com