


ASG Treatment

Kobo Products offers a line of ASG treated pigments bearing the INCI name: Pigment (and) Stearoyl Glutamic Acid. This ASG treatment is an amino acid coating. The treatment renders pigment hydrophobic. Additionally, treated materials will impart a moist feeling on the skin. Also in formulation, a creamy feel can be expected, particularly in powders, while also offering good skin adhesion. Furthermore, the ASG treatment aids pigments in full color development because the pigments are easy to disperse in anhydrous systems. This is a natural treatment with Ecocert certification.

Applicability is seen in emulsions, hot pours, 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
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
BTD-ASG2*	Titanium Dioxide (And) Stearoyl Glutamic Acid	Titanium Dioxide
New BGC0-ASG4	Chromium Oxide Greens (And) Stearoyl Glutamic Acid	Green Chromium Oxide
MICA S-ASG3	Mica (And) Stearoyl Glutamic Acid	Mica
GMS-ASG3	Mica (And) Stearoyl Glutamic Acid	Mica
ZnO-C-ASG3*	Zinc Oxide (And) Stearoyl Glutamic Acid	Non-Nano Zinc Oxide
New ZnO-750-ASG5	Zinc Oxide (And) Stearoyl Glutamic Acid	UV Pigment Zinc Oxide
New TALC N-ASG4	Talc (And) Stearoyl Glutamic Acid	Talc
New BLUE 1AL-ASG4	Blue 1 Lake (And) Stearoyl Glutamic Acid	FD&C Blue No.1 Aluminum Lake
New BMV-ASG4	Manganese Violet (CI 77742) (And) Stearoyl Glutamic Acid	Manganese Violet
New RED 7CA D-ASG4	Red 7 Lake (CI 15850) (And) Stearoyl Glutamic Acid	D&C Red No.7 Calcium Lake
New YELLOW 5AL-ASG4	Yellow 5 Lake (CI 19140) (And) Stearoyl Glutamic Acid	FD&C Yellow No.5 Aluminum Lake

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

COSMOS APPROVED

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ASG Treatment

Creamy Pressed Powder with ASG Treatment

KPP-063B

Part 1

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

Part 2

● CSF-3100@20cSt - NuSil/Kobo Products: <i>Dimethicone</i>	2.50%
● Lexol® PG-865 - Inolex Chemical Company: <i>Propylene Glycol Dicaprylate/Dicaprate</i>	2.50%
● CSF-3100@350cSt - NuSil/Kobo Products: <i>Dimethicone</i>	2.00%
● SS4267 - Momentive: <i>Dimethicone (And) Trimethylsiloxysilicate</i>	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. CareSil Pure Fluids, high clarity-purity silicones, CSF-3100@20cSt and CSF-3100@350cSt, deliver an emollient, silky feel with reduced tackiness that brings about high spreadability and compatibility.

Liquid Foundation with ASG Treatment

KLF-096D

Part 1

● Jeechem CTG - Jee International: <i>Caprylic/ Capric Triglyceride</i>	10.00%
● Dermofat 4919 - Alzo International Inc.: <i>Stearic Acid</i>	3.00%
● Lipo® GMS-450 - Vantage: <i>Glyceryl Stearate</i>	1.50%
● Lipocol® C - Vantage: <i>Cetyl Alcohol</i>	0.50%

Part 2

● BTD-ASG2 - Kobo Products: <i>Titanium Dioxide (And) Stearoyl Glutamic Acid</i>	7.50%
● BYO-ASG3 - Kobo Products: <i>Iron Oxides (CI 77492) (And) Stearoyl Glutamic Acid</i>	1.00%
● BRO-ASG3 - Kobo Products: <i>Iron Oxides (CI 77491) (And) Stearoyl Glutamic Acid</i>	0.30%
● BBO-ASG3 - Kobo Products: <i>Iron Oxides (CI 77499) (And) Stearoyl Glutamic Acid</i>	0.20%

Part 3

● <i>Deionized Water</i>	69.45%
● Butylene Glycol - Ruger Chemical: <i>Butylene Glycol</i>	5.00%
● Triethanolamine 99 - Dow Chemical: <i>Triethanolamine</i>	1.00%
● Keltrol® CG - CP Kelco: <i>Xanthan Gum</i>	0.25%
● Germall® 115 - ISP: <i>Imidazolidinyl Urea</i>	0.20%
● Methyl Paraben NF - International Sourcing: <i>Methylparaben</i>	0.10%

Manufacturing Procedure

1. Combine Part 1 ingredients and mix well.
2. Blend Part 2 well, until color is fully developed.
3. Add Part 2 to Part 1. Mix well.
4. Heat Parts 1 and 2 together to 80°C.
5. Premix Xanthan Gum and Butylene Glycol and add to water. Add the remaining ingredients in Part 3 to the water. Heat Part 1 to 80°C.
6. Add Part 3 to Parts 1 and 2 under propeller mixing.

Description

This water-based foundation contains pigments with ASG Treatment, an amino acid treatment that aids in pigment dispersion and provides a creamy feel to the formula.

KOBO

www.koboproducts.com