



Galaxy[®]
HOLOGRAPHIC PIGMENTS

Ultra polychromatic reflections
for cosmetics

Galaxy® holographic pigments for cosmetics

Galaxy® holographic pigments provide exclusive glittering polychromatic effects.

The extremely reflective particles offer unique styling possibilities for high end applications. Because of its dramatic polychromatic reflection Galaxy® pigments are mainly used in colour cosmetic products such as powders and nail polishes.

Specifically in UV gel for nails Galaxy® pigments display a fabulous effect.

This exclusive pigment is based on acrylic polymer and aluminium.
INCI composition: CI 77000 and Acrylates Copolymer.

The flakes of the Galaxy Hologram Silver M have a particle size distribution of 20 – 150 micron. The D50 is around 75 micron. Thanks to its thickness of about 3 micron Galaxy Hologram Silver M has a very good skin- and nail feel. It can be used as a sophisticated alternative for polyester based holographic glitter.

Product benefits

- Provides a dramatic holographic effect
- Easy to use
- In compliance with cosmetic regulations
- 250 gram packaging size available

Applications

We recommend to use this productline for the following applications.



Lip area



Eye area



Nail



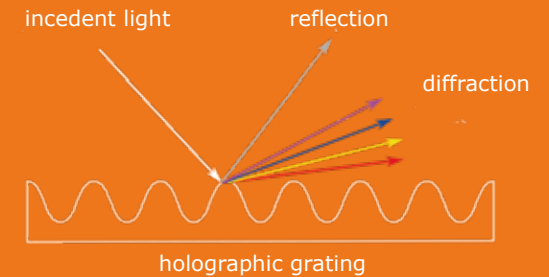
External



Rinse off

The effect

An ultra thin film, including an opaque reflector layer (aluminium), is the base for the Galaxy. The film for this product line is embossed with a very fine grating.



Due to diffraction of light on the embossed surface, a luxurious rainbow spectrum effect is obtained.



Galaxy® Hologram Silver

The Galaxy® Hologram is a non-toxic material offered in powder form. It complies to the main regulations for cosmetics except for lip products in the United States.

Art. nr.	Product name	Particle size	Effect
3001001	Galaxy Hologram Silver M	20 - 150 micron	Intense holographic sparkle



General formulation do's and don'ts

Avoid grinding

Avoid grinding and milling of the pigment, the particles might break or the coating layer of the pigment might be damaged when the mechanical stress to the pigments is too high.

Galaxy® holographic pigments disperse well without grinding. They can be added to the powder system while stirring after milling of the organic/inorganic pigments and before the binder is added.

UV stability

Galaxy Hologram Silver M is not sensitive to UV light.

Water and solvent resistance

Galaxy Hologram Silver M is stable in water based formulations the pH level ≤ 7 and in solvent based formulations.

Temperature resistance

Galaxy® holographic pigments are temperature resistant up to 400°C.



Finished product	Level of use (recommendation)
Pressed powder	2 - 4 %
Loose powder	Up to 100 %
Blusher	0,5 - 2 %
Face powder	0,5 - 2 %
Body powder	0,5 - 2 %
Lipstick	1 - 3 %
Lip gloss	0,5 - 2 %
Lip lacquer	0,5 - 2 %
Nail polish	1 - 3 %



Formulation guideline | Lip Gloss






Product: Lip Gloss
Code: GL-193908
Special effect pigment: Galaxy Hologram Silver M

Product name	INCI name	% WT.	Supplier
Phase A			
Versagel ME 750	Hydrogenated Polyisobutene Ethylene/Propylene/Styrene Copolymer Butylene/Ethylene/Styrene Copolymer	74.90	Calumet Penreco
Baobab Oil	Adansonia Digitata Seed Oil	2.20	Sigma Oil Seeds
BRB Caprylyl Methicone	Caprylyl Dimethicone	7.80	BRB International BV
BRB 2835	Cetyl Dimethicone	3.60	BRB International BV
Hydrogenated Polydecene	Hydrogenated Polyisobutene	4.50	
Isopropyl Myristate	Isopropyl Myristate	5.00	
Phase B			
Lavanya Elegans	D&C Red 7 Calcium Lake	1.75	Neelikon Food Dyes & Chemicals Ltd.
Galaxy Hologram Silver M	Acrylates Copolymer CI 77000	0.25	Geotech International B.V.

Procedure

1. Combine all ingredients from phase A
2. Heat up until 85°C
3. Add phase B to Phase A and mix until uniform
4. Cool to 40°C
5. Pour into lip gloss container



Art. nr.	Product name						Acrylates Copolymer Aluminium (CI 77000)
3001001	Galaxy Hologram Silver M	⊙	●	●	●	●	X X

- Global approval
- ⊙ European and United States approval
- ⊕ European and Japanese approval



Available packaging

Nett weight	Gross weight	Package size L x W x H
250 g	1 kg	18 x 18 x 21 cm
1 kg	2 kg	35 x 22 x 20 cm
10 kg	14 kg	Ø 40 cm x 52 cm

Packed in a plastic can in cardboard box.
10 kg packed in aluminium can.

Shelf life

5 years original packaging in a closed can under dry conditions.

Samples

Approx. 10 grams samples are available free of charge.

Product data

Product data sheets and additional technical product information are available online. To get access please send an email to marketing@geotech.nl and ask for an account.



About us

Geotech International B.V., based in Haarlem, The Netherlands, is a dynamic company focusing on the development, production and distribution of special effect pigments. The owners family has a background in the industry with over 40 years of experience. Since 1999 the company is managed by the third generation.

GEOTECH's special effect pigments are being used globally in the cosmetics, plastics, coatings & paints, printing and arts & crafts industry.

Disclaimer

All information and samples provided by GEOTECH are given in good faith and without warranty. Our advice does not release you from the obligation to verify the information provided and to test our products as to their suitability for the intended processes and uses. The application, use and processing of our products and the products manufactured by you on the basis of our technical advice are beyond our control and therefore entirely your own responsibility.



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