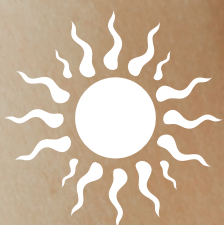




GEOTECH

SPECIAL EFFECT PIGMENTS



Sunrise[®]

MICA



The Sunrise® mica product portfolio contains products of natural and synthetic mica.

The natural mica range is a wet-ground product produced from high purity flake mica concentrates by a slow frictional delamination process. It is renowned for its optical properties.

Sunrise® Crystal is an artificial mica. This synthetic fluorophlogopite grade offers outstanding colour purity, higher transparency and a lower content of impurities.

Due to its natural sheen Sunrise® mica is the perfect choice for cosmetics. It offers high UV stability, low abrasiveness, excellent lubricity, good skin adhesion and good resistance to heat, weather and chemicals. It creates buildable coverage without completely covering the skin. In colour cosmetics Sunrise® mica is used to give balance and consistency to pressed powders. Mica gives a smooth texture and adds a bit of shine to the product surface.

Sunrise® SVA mica is a special Lauroyl Lysine treated grade in the mica portfolio which provides an exceptional smooth texture, soft feeling and good skin adhesion for cosmetic products.

Product benefits

- Soft touch
- Improves compressability of pressed powders
- Improves optical appearance
- Sunrise SVA improves skin adhesion
- Compatible with most cosmetic formulations
- In compliance with cosmetic regulations

Recommended applications



- Nails



- Eye area



- Lip area



- External



- Rinse off



PRODUCT RANGE

Art. Nr.	Product Name	Particle size (µm)	INCI Name
2104100	Sunrise 325	10 - 60	Mica
2104120	Sunrise 970	5 - 25	Mica
2104135	Sunrise 1 - 15	1 - 15	Mica
2104140	Sunrise SVA	5 - 25	Mica Lauroyl Lysine
2104150	Sunrise Crystal 1 - 15	1 - 15	Synthetic fluorphlogopite
2104160	Sunrise Crystal 5 - 25	5 - 25	Synthetic fluorphlogopite
2104180	Sunrise Crystal 10 - 60	10 - 60	Synthetic fluorphlogopite

Order details**Available packaging Sunrise Crystal 1 - 15**

- 15 kg Nett weight

Available packaging Sunrise Crystal 5 - 25

- 20 kg Nett weight

Available packaging all other Sunrise products

- 25 kg Nett weight

Shelf life

- 10 years original packaging stored in a closed box under dry conditions

Product data

- Product data sheets and additional technical product information are available on www.geotech.nl

FORMULATION GUIDELINES



GENERAL FORMULATION DO'S AND DON'TS

Low content of impurities

The synthetic Sunrise® Crystal mica products contain a lower amount of impurities compared to natural mica.

Colour purity

The colour purity and whiteness of synthetic the Sunrise® Crystal range is high and therefore the best choice for white and light coloured formulations. For opaque formulations the Sunrise® Crystal range is also recommended.

Compressibility

By using a combination of Sunrise® products the compressibility of pressed powder formulations can be controlled.

Concentration

Finished product	Recommended level of use
Soaps	0,3 - 4,0 %
Pressed powder	20 - 70 %
Loose powder	Up to 100 %
Blusher	1 - 20 %
Face powder	1 - 5 %
Body powder	1 - 5 %
Lipstick	1 - 20 %
Lip balm	0,5 - 5 %
Lip gloss	0,5 - 5 %
Lip lacquer	2 - 15 %

LIQUID EYELINER

Product: **Liquid Eyeliner**
Code: **GL-211301**
Special effect pigment: **Geopearl C Skylight Golden Bronze | Geopearl C Russet | Geopearl C Skylight Silver | Sunrise 970**

Product name	INCI name	%WT.	Supplier
Phase A			
Water	Water	65.20	Vanderbilt Minerals, LLC
Veegum K Granules	Hydrated Magnesium Aluminium Silicate Mineral	1.00	
Phase B			
Triethanolamine	Triethanolamine	1.40	CP Kelco
Propylene Glycol	Propylene Glycol	8.00	
Phase C			
Ketrol Xanthan Gum	Xanthan Gum	0.30	CP Kelco
Preservatives	(Water soluble)	q.s.	
Phase D			
Geopearl C Skylight Golden Bronze	Mica CI 77491 CI 77499	7.50	Geotech International B.V.
Geopearl C Russet	Mica CI 77491	5.00	Geotech International B.V.
Geopearl C Skylight Silver	Mica Titanium Dioxide CI 77499	2.50	Geotech International B.V.
Sunrise 970	Mica	5.00	Geotech International B.V.
Phase E			
Stearic Acid	Stearic Acid	2.80	Geotech International B.V.
Glyceryl Stearate	Glyceryl stearate	0.80	
Oleyl Alcohol	Oleyl Alcohol	0.50	
Preservatives	(Oil soluble)	q.s.	

Procedure

1. Disperse the Magnesium Aluminium Silicate into water using high-shear mixing;
2. Add phase B to phase A and mix until uniform;
3. Add phase C to phase A+B and mix until uniform;
4. Add Phase D and mix until uniform; Heat Phase A+B+C+D to 75°C ± 5°C
5. Premix Phase E to 75°C ± 5°C and add Phase E to Phase A+B+C+D and mix until uniform;
6. Cool to 35°C ± 5°C and pour into eyeliner container.





ABOUT US

Enhancing product appearances

Geotech International B.V., founded in 1984, manufactures and distributes special effect pigments. We are a privately owned family business with offices in The Netherlands, France and Turkey. A global sales network serves over 800 customers worldwide with 16 product lines.

Nowadays the company is managed by the third generation, focusing on innovation and sustainability. GEOTECH's sustainability program has been recognized by EcoVadis for its success, consistently placing us among the top-rated companies they assess. A certified quality management system based on ISO 9001 and GMP standards ensures reliability and excellence.

With over 450 special effect pigments in our portfolio we offer a diverse range of products for the cosmetics industry. An experienced team of specialists is available to provide you with a high level of service and technical support.

GEOTECH's special effect pigments are used globally in various industries to differentiate consumer products by creating attractive and luxurious appearances.



ecovadis



Geotech International B.V.
info@geotech.nl
+31 (0) 23 531 75 53
www.geotech.nl

Explore our complete portfolio for
the cosmetics industry at
www.geotech.nl

