



## BIODEGRADABLE GLITTER - SKY BLUE

### Product Information Sheet

Biodegradable Cosmetic Glitter consists of precision cut highly reflective specialised regenerated cellulose film that is proven to biodegrade very well in natural environments. It is available in a wide range of colours and sizes. It is suited to dry, water-based and oil-based applications and complies with the cosmetic regulations of all major regions.

ECOLOGICAL CREDENTIALS	
<b>Biodegradability</b>	<p><b>Biodegrades well in natural environment</b>            ISO 14851 test - 87% biodegradation in 28 days            OECD 301F Test - Readily Biodegradable, 93% biodegradation in 28 days</p>
<b>Environmental Safety</b>	<p><b>Complies with environmental safety criteria as per OK biodegradable WATER standard.</b>  <i>(Ecotoxicity in aquatic environments is part of the OK biodegradable WATER certification process)</i></p>

Weight	INCI Name	Alternative Name	CAS No.	EC No.	CI No.	Origin
72.0%	Rayon	Cellulose Regenerated	68442-85-3	270-493-7	N/A	V
11.0%	Glycerin		56-81-5	200-289-5	N/A	V
6.0%	Aqua		7732-18-5	231-791-2	N/A	MI
3.0%	Urea		57-13-6	200-315-5	N/A	MS
c.6.9%	Styrene/Acrylates Copolymer		9010-92-8	618-461-7	N/A	MS
c.1.0%	Blue 1 Lake	FD&C Blue No.1 Al. Lake	68921-42-6	272-939-6	42090:2	MS
max. 0.1%	CI 77000	Aluminium	7429-90-5	231-072-3	77000	MS

V – Vegetable, MI – Mineral, MS – Mineral Synthetic



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## Cosmetic Regulations Compliance

Product Code	Product Description	Cosmetic Approval							Natural Origin*	Size (xxx of product code)					
		EU	USA	CHN	JPN	CAN	AUS	KOR		004 (100µm)	006 (150µm)	008 (200µm)	015 (375µm)	040 (1mm)	094 (2.4mm)
8325/xxxH.FDA	Biodegradable Sky Blue	●	●	●	●	●	●	●	89.1%	✓	✓	✓	✓	✓	✓

● - FDA cosmetic regulations NOT suitable for use on lips (lipstick and lip gloss). Contains aluminium.

\*Natural Origin Index calculated using ISO 16128 method

### Notes:

EU, Europe – European Cosmetic Regulation 1223/2009

USA - FDA Code of Federal Regulations (CFR) Title 21

CHN, China – Safety and Technical Standards for Cosmetics (2015)

JPN, Japan – Ministry of Health, Labor and Welfare Ordinance No.126 of July 29, 2003. QD (JSQI) regulation NOT applicable.

CAN, Canada – Cosmetic Regulations under Food and Drug Act

AUS, Australia – Industrial Chemicals (Notification & Assessment) Act 1998 and Cosmetic Standards 2007

KOR, Korea – Korean Cosmetic Products Act (KPCA), 2000

Properties	Specific Gravity	Temperature Stability
Value	c.1.45	< 50°C*

\*Biodegradable Glitter may withstand temperatures higher than 50°C for short time periods – please test.

Microbiological Testing	Bacteria	Moulds
Total Viable Count (TVC)	< 100	< 100

Heavy Metals	As	Sb	Pb	Cd	Hg	Ni	Cr	Co	Mo	Cu	Se	Zn	Sn	F
Total mg/kg (ppm)	< 0.5	< 0.5	< 2	< 0.1	< 0.1	< 5	< 1	< 5	< 5	< 5	< 5	< 5	< 5	< 5

Test Method: Total content by ICP-OES/ICP-MS/IC



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### Product Compatibility

Product Code	Product Description	Chemical													Heat			
		Water	Alkali (pH9)	Acid (pH4)	Carbomer (0.5%)	Ethanol	Glycol	Ethyl Acetate	Acetone	Methyl Ethyl Ketone	Isododecane	Silicone Oil	Mineral Oil	Coconut Oil	Olive Oil	Palm Oil (RSPO)	Up to 50°C	
8325/xxxH.FDA	Biodegradable Glitter - Sky Blue	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

- - Compatible with good resistance
- - Test - Compatible with possibility to bleed in some conditions. Excess heat may cause dulling of the glitter
- - Not compatible

**Given the many possible uses and formulations incorporating glitters, it is the responsibility of the formulator to test performance in both formulation and application before final use.**

Shelf Life – Biodegradable Glitter in natural state (as supplied) has an indefinite shelf life. Providing that it is stored in a dry, dark, cool environment, out of direct sunlight, any direct heat source and not exposed to microorganisms. However, for good manufacturing practice, we would recommend using the product within 3 years to ensure optimum condition.