

PRODUCT SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

1.1. Product Identifier:

Product Name: Silver Biodegradable Cosmetic Glitter

EC No.: Not applicable

CAS No.: Not applicable

Index No.: Not applicable

REACH Registration No.: Bioglitter™ is defined as a finished article and does not require registration under REACH.

1.2. Relevant Identified uses of the substance or mixture and uses advised against

Relevant Identified Uses: Decorative material for use in cosmetic products.

Uses advised against: None known.

1.3. Company/undertaking identification

Imperial Supply Ltd.

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Kenilworth, CV8 2EL, United Kingdom

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Email: support@craftovator.co.uk

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2. HAZARDS IDENTIFICATION

“This Safety Data Sheet is prepared voluntarily: it is not required according to Article 31 of Regulation (EC) No. 1907/2006 – product is not classified as hazardous and is defined as an article”

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [EU-GHS/CLP]

This product does not meet the criteria for classification in any hazard class according to Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures.

2.2. Label elements

Labeling according to Regulation (EC) No 1272/2008 [CLP]
 None

2.3. Other hazards

The substance does not meet the criteria for PBT or vPvB according to Regulation (EC) 1907/2006, Annex XIII.

Substance is not identified as having endocrine disrupting properties according to Regulation (EU) 2017/2100

The substance is generally considered as not hazardous, but as per most organic powders dust generated in large quantities through downstream activities may create a hazardous condition. If exposed to an ignition source the substance dust may burn. Airborne dust in large concentrations when exposed to an ignition source may present explosion hazard.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance

Not applicable

3.2 Mixtures

Product consists of precision cut hexagonal particles of biodegradable film.
 May contain the following:

EINECS N°	CAS N°	Colour INDEX N°	REACH Registration N°	Chemical name	Conc. (% w/w)	Classification according to Regulation EC1272/2008 (CLP)	SCL, M-Factor, ATE
270-493-7	68442-85-3	n.a.	Not required to be registered	Rayon (Cellulose Regenerated)	72.0%	None	None
200-289-5	56-81-5	n.a.	Exempt Annex v	Glycerin	11.0%	None	None
231-791-2	7732-18-5	n.a.	Exempt Annex vi	Aqua	6.0%	None	None
200-315-5	57-13-6	n.a.	01-2119463277-33-xxxx	Urea	3.0%	None	None
	9010-92-8	n.a.	Not required to be registered	Styrene / Acrylate copolymer (non-nanoform)	Max 8%	None	None

Pigments Used

EINECS N°	CAS N°	Colour INDEX N°	REACH Registration N°	Chemical name	Conc. (% w/w)	Classification according to Regulation EC1272/2008 (CLP)	SCL, M-Factor, ATE
272-939-6	68921-42-6	CI 42090:2	05-2114656800-49-xxxx	FD&C Blue 1 Al. Lk.	0 - 3%	None	None
217-699-5	1934-21-0	CI 19140:1	05-2114651928-34-xxxx	FD&C Yellow 5 Al. Lk.	0 - 3%	None	None

226-109-5	5281-04-9	CI 15850:1	05-2114652660-51-xxxx	D&C Red 7 Ca. Lk.	0 - 3%	None	None
215-609-9	1333-86-4	CI 77266	01-2119384822-32-xxxx	D&C Black No. 2 (Non Nanoform)	0 - 3%	None	None
215-280-1	13463-67-7	CI 77891	01-2119489379-17-xxxx	Titanium Dioxide (Non nanoform - contains no particles of $\leq 10 \mu\text{m}$)	0 - 3%	None	None
231-072-3	7429-90-5	CI 77000	01-2119529243-45-xxxx	Aluminium	0.1%	Flam. Sol. 1, H228 Water react 2, H261	None

Cosmetic Bioglitter™ White 8377/xxx may contain $\geq 1\%$ titanium dioxide.
The classification according to CLP regulation (EU) 1272/2008 annex VI note 10 does not apply to this product.

4. FIRST AID MEASURES

4.1 Description of First Aid Measures

General Advice:	First aid followed by medical attention.
Inhalation:	Cellulose powder is considered to be a chemically inert, low toxicity dust not normally dangerous to health, although high concentrations in the air may cause a nuisance.
Skin contact:	No known cases of dermic symptoms have been associated with personnel handling cellulose films. In the event of such an extreme case, the use of barrier creams and protective gloves should eliminate such problems. If irritation persists the personnel concerned should be removed from the environment and seek medical advice.
Eye Contact:	Cellulose flake or dust particles are not dangerous, but may cause eye irritation due to their mechanical action. In special cases the use of a protective face mask or eye goggles may be advisable. In the event of cellulose flake or dust particles contacting the eyes, flush eyes with water. If eye irritation persists seek medical advice.
Ingestion:	Cellulose films are non-toxic. However, in the unlikely event of ingestion of cellulose film, flake or dust particles it is recommended that medical advice be sought.
Self protection of the First Aider:	No special measures required, although personal protection equipment for the first aider is recommended

4.2 Most Important Symptoms and effects, both acute and delayed

No data available

4.3 Indication of any immediate medical attention and special treatment needed

No data available

5. FIRE FIGHTING MEASURES

5.1 Extinguishing Media:

Suitable Extinguishing Media:

Fires involving cellulose powders can be dealt with using water, although restrictions may be imposed by the presence of other materials such as flammable solvents or electrical equipment. It is advisable in such situations to obtain advice from the local Fire Authority.

Unsuitable Extinguishing media:

For bulk powder fires avoid high pressure media which could cause the formation of a potentially explosible dust-air mixture.

5.2 Special hazards arising from the substance or mixture:

If cellulose films are involved in a fire they will continue to burn freely provided sufficient oxygen is present and even if the source of the ignition is removed.

Regenerated cellulose films generate little smoke under conditions of free air supply.

The major constituents of the fumes evolved are:

carbon dioxide, carbon monoxide and water vapour

Cellulose films should not be used for decorative purposes in areas prone to fire risk.

Silver Biodegradable Cosmetic Glitter satisfies the requirements of EN71-2:2011 Safety of Toys – flammability.

5.3 Advice for firefighters:

Wear self contained breathing apparatus for fire fighting.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions:

Wear protective equipment.

Keep unprotected persons away.

Avoid formation of dust

6.2 Environmental precautions:

None required. Avoid deliberate release to sewage system.

6.3 Methods for cleaning up:

Sweep up manually with brush and shovel or suitable vacuum cleaner, avoiding generation of dust clouds.

6.4 Reference to other sections:

None required

7. HANDLING AND STORAGE

7.1 Precautions for Safe Handling:

7.1.1 No known cases of dermic symptoms have been associated with personnel handling cellulose films. In the event of such an extreme case, the use of barrier creams and protective gloves should eliminate such problems.

7.1.2 Do not eat, drink or smoke in work areas

Wash hands after use

Remove contaminated clothing and protective equipment before entering eating areas.

7.2 Conditions for safe storage including any incompatibilities:

Cellulose dust is flammable and under some circumstances, in bulk quantities, can form explosive clouds in the air. Avoid formation of dust clouds, keep away from open flames, hot surfaces and sources of ignition.

Store in a cool dry place in the original tightly closed containers (to maintain quality – not safety related).

Do not expose to direct sunlight or strong light (to maintain quality – not safety related)

7.3 Specific end uses:

None

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters:

These products do not contain any relevant quantities of materials with critical values that have to be monitored in the workplace.

(ref: EH40/2005 as consolidated with amendments Oct 2007)

National exposure control limits must be considered where appropriate.

8.2 Exposure Controls:

Airborne concentrations of Bioglitter™ must be kept below the normal recommended levels for inert powders.

The UK Health & Safety Executive Regulatory Authorities and the American Conference of Government Industrial Hygienists, (ACGIH), quote Occupational Exposure Limits, (OEL), of 10mg/m³ 8 hour Time Weighted Average (TWA) for inhalable dust and 5mg/m³ 8 hour Time Weighted Average (TWA) for respirable dust.

In the event of a process creating significant quantities of flake or dust particles, precautions must be taken to avoid inhalation and the use of a suitable filter mask may be advisable.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

- | | |
|--|--|
| a) Physical State: | solid flakes |
| b) Colour: | various, as defined in product description |
| c) Odour: | mild characteristic |
| d) Melting point/freezing point | does not melt, decomposes at > 260°C |
| e) Boiling point or initial boiling point and boiling range: | n/a. Decomposes at > 260°C |
| f) Flammability | if ignited, burns like paper |
| g) Upper and lower explosion limit | not applicable |
| h) Flash point | not applicable |
| i) Auto ignition temperature | not applicable |
| j) Decomposition Temperature | >260°C (Cellulose) |
| k) pH | no data available – insoluble solid |
| l) Kinematic Viscosity | not applicable - solid |
| m) Solubility | Insoluble in water |

n) Partition coefficient: n octanol/water	no data available
o) Vapour Pressure	no data available
p) Density (absolute)	1.45 g/cm ³ at 20°C
q) Relative vapour density	not applicable
r) Particle characteristics	Hexagonal Flakes 100 µm-2.4mm. c36 µm thickness

9.2 Other Information

Bulk Density: 0.4-0.6g/cm³

9.2.1 Information with regard to physical hazard classes
None applicable

9.2.2 Other safety characteristics
Not applicable

10. STABILITY AND REACTIVITY

10.1 Reactivity

Not reactive under stated conditions for use and storage

10.2 Chemical stability

no data available

10.3 Possibility of hazardous reactions

no data available

10.4 Conditions to avoid

Avoid contact with open flames, hot surfaces and sources of ignition.
acids, alkalis and strong oxidizing agents.

10.5 Incompatible materials

no data available

10.6 Hazardous decomposition products

no data available

11. TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

no data available

Skin corrosion/irritation

no data available

Serious eye damage/eye irritation

no data available

Respiratory or skin sensitization

no data available

Germ cell mutagenicity

no data available

Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Reproductive toxicity

no data available

Specific target organ toxicity - single exposure

no data available

Specific target organ toxicity - repeated exposure

no data available

Aspiration hazard

no data available

Potential health effects

no data available

Signs and Symptoms of Exposure

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Additional Information

When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

The substance is not subject to classification according to the latest version of the EU lists.

11.2 Information on other hazards

11.2.1 Endocrine disrupting properties:

Substance is not identified as having endocrine disrupting properties according to Regulation (EU) 2017/2100.

11.2.2 Other information

No adverse health affects known.

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Bioglitter™ not known to be ecotoxic to fish or other aquatic life (Ecotoxicity in aquatic environments is part of biodegradability testing).

12.2 Persistence and degradability

Biodegrades in natural environment; Cosmetic Bioglitter™ SPARKLE tested using: ISO 14851 for freshwater biodegradation; 87% biodegradation achieved in 28 days. OECD 301F; Readily Biodegradable, 93% in 28 days.

12.3 Bioaccumulative potential

no data available. From information above, Bioglitter™ would not be considered bioaccumulative.

12.4 Mobility in soil

no data available

12.5 Results of PBT and vPvB assessment

The substance does not meet the criteria for PBT or vPvB according to Regulation (EC) 1907/2006, Annex XIII.

12.6 Endocrine disrupting properties

Substance is not identified as having endocrine disrupting properties according to Regulation (EU) 2017/2100.

12.7 Other adverse effects

no data available

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Cellulose films are water insoluble, ground and ground-water neutral, effectively non-toxic biodegradable solids which present no environmental hazards.

The disposal of **Cosmetic Bioglitter™ Silver Biodegradable Cosmetic Glitter** in supervised compost sites is clean and effective and will result in biodegradation in the presence of suitable micro-organisms and favourable conditions.

Containers may be recycled or re-used. Observe local/state/federal regulations.

An alternative method of disposal involves incineration which regenerates the energy content of the material.

Intentional disposal to sewage system should not be used.

Advice on the preferred method of disposal should be obtained from your Local Authority Waste Disposal Officer.

14. TRANSPORT INFORMATION: (Not restricted for transport).

ADR	Not restricted
14.1 UN number of ID number	Not applicable
14.2 UN proper shipping name	Not applicable
14.3 Transport Hazard class(es)	Not applicable
14.4 Packing group	Not applicable
14.5 Environmental hazards	Not classified
Marine Pollutant	Not applicable
14.6 Special precautions for user	Not applicable
Tunnel Restriction code	Not applicable

RID	Not restricted
14.1 UN number of ID number	Not applicable
14.2 UN proper shipping name	Not applicable
14.3 Transport Hazard class(es)	Not applicable
14.4 Packing group	Not applicable
14.5 Environmental hazards	Not classified
Marine Pollutant	Not applicable
14.6 Special precautions for user	Not applicable

ADN	Not restricted
14.1 UN number of ID number	Not applicable
14.2 UN proper shipping name	Not applicable
14.3 Transport Hazard class(es)	Not applicable
14.4 Packing group	Not applicable
14.5 Environmental hazards	Not classified
Marine Pollutant	Not applicable
14.6 Special precautions for user	Not applicable

IMDG	Not restricted
14.1 UN number of ID number	Not applicable
14.2 UN proper shipping name	Not applicable

14.3	Transport Hazard class(es)	Not applicable
14.4	Packing group	Not applicable
14.5	Environmental hazards	Not classified
	Marine Pollutant	Not applicable
14.6	Special precautions for user	Not applicable
14.7	Maritime transport in bulk according to IMO instruments	Not applicable

ICAO		Not restricted
14.1	UN number of ID number	Not applicable
14.2	UN proper shipping name	Not applicable
14.3	Transport Hazard class(es)	Not applicable
14.4	Packing group	Not applicable
14.5	Environmental hazards	Not classified
	Marine Pollutant	Not applicable
14.6	Special precautions for user	Not applicable

15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

EU regulations

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006 including the amendment Regulation (EU) 2020/878.

Authorisations and/or restrictions on use

This product does not contain substances subject to authorisation (Regulation (EC) No. 1907/2006 (REACH), Annex XIV)

This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

Authorisations

Not required

Other EU regulations

Persistent Organic Pollutants: Not applicable

Ozone-depleting substances (ODS) regulation (EC) 1005/2009: Not applicable

15.2 Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this product by the manufacturer.

16. OTHER INFORMATION

Products covered by this data sheet include: **Silver Biodegradable Cosmetic Glitter**

Issue Date	:	14 December 2022
Revision Number	:	7
Safety Data Sheet N ^o .	:	RB60

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