



## **PRODUCT SAFETY DATA SHEET**

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

#### **1.1. Product Identifiers**

**Product Name:** BIODEGRADABLE GLITTER

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

Decorative Material for use in cosmetic products.

#### **1.3. Company/undertaking identification**

Truly Personal Ltd  
C4 Goldbank Business Park  
Wilton Road  
Humberston  
DN36 4AW, UK

Tel: +44 (0)1472 815598  
Fax: +44 (0)7437 190075

Email: [joy@trulypersonal.co.uk](mailto:joy@trulypersonal.co.uk)  
Web: [www.trulypersonal.co.uk](http://www.trulypersonal.co.uk)

#### **1.4. Emergency Contact Information**

+44 (0)7437 190075 (Office hours 9am - 5pm)  
e-mail [contactus@trulypersonal.co.uk](mailto:contactus@trulypersonal.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.”**

#### **2.1. Classification of the substance or mixture**

Classification according to Regulation (EC) No 1272/2008 [EU-GHS/CLP]  
Not classified

#### **2.2. Label elements**

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

#### **2.3. Other hazards**

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.

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## BIODEGRADABLE GLITTER

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1 Description of Material: particles of coated biodegradable film.

May contain the following:

EINECS N°	CAS N°	Colour INDEX N°	Chemical name	Conc. (% w/w)	Hazard class and category code	Hazard statement
270-493-7	68442-85-3	n.a.	Rayon (Cellulose Regenerated)	72.0%	None	None
200-289-5	56-81-5	n.a.	Glycerin	11.0%	None	None
231-791-2	7732-18-5	n.a.	Aqua	6.0%	None	None
200-315-5	57-13-6	n.a.	Urea	3.0%	None	None
	9010-92-8	n.a.	Styrene / Acrylate copolymer	Max 8%	None	None

<b>Pigments Used</b>						
EINECS N°	CAS N°	Colour INDEX N°	Chemical name	Conc. (% w/w)	Hazard class and category code	Hazard statement
272-939-6	68921-42-6	CI 42090:2	FD&C Blue 1 Al. Lk.	0 - 3%	None	None
217-699-5	1934-21-0	CI 19140:1	FD&C Yellow 5 Al. Lk.	0 - 3%	None	None
226-109-5	5281-04-9	CI 15850:1	D&C Red 7 Ca. Lk.	0 - 3%	None	None
215-609-9	1333-86-4	CI 77266	D&C Black No. 2	0 - 3%	None	None
215-280-1	13463-67-7	CI 77891	Titanium Dioxide	0 - 3%	None	None
231-072-3	7429-90-5	CI 77000	Aluminium	0.1%	Flam. Sol. 1 Water react 2	H228 H261

# BIODEGRADABLE GLITTER

## 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.

### 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

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## 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.

**BIODEGRADABLE 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.

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# BIODEGRADABLE GLITTER

## 6. ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions:

Wear protective equipment.  
Keep unprotected persons away.  
Avoid formation of dust

### 6.2 Environmental precautions:

None.

### 6.3 Methods for cleaning up:

Sweep up manually with brush and shovel avoiding generation of dust clouds.

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## 7. HANDLING AND STORAGE

### 7.1 Precautions for Safe Handling:

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.

### 7.2 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.  
Store in a cool dry place in the original tightly closed containers.

### 7.3 Specific end uses:

None

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## 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 Biodegradable Glitter 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/m<sup>3</sup> 8 hour Time Weighted Average (TWA) for inhalable dust and 5mg/m<sup>3</sup> 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 filter mask may be advisable.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

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|--------------------|---------------------|
| a) Appearance:     | Solid flakes        |
| b) Odour:          | mild characteristic |
| c) Odour threshold | no data available   |

## BIODEGRADABLE GLITTER

d) pH	no data available
e) Melting point/freezing point	260°C
f) Initial boiling point and boiling range	no data available
g) Flash point	no data available
h) Evaporation rate	no data available
i) Flammability (solid,gas)	no data available
j) Upper/lower flammability or explosive limits	no data available
k) Vapour pressure	no data available
l) Vapour density	no data available
m) Relative density	1.45 g/cm <sup>3</sup> at 20°C
n) Water solubility	insoluble
o) Partition coefficient: n octanol/water	no data available
p) Autoignition temperature	not self igniting
q) Decomposition temperature	no data available
r) Viscosity	no data available
s) Explosive properties	Possible dust explosion risk in bulk
t) Oxidizing properties	no data available

### 9.2 Other Safety Information

No data available

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## 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 acids, alkalis and strong oxidizing agents.

### 10.5 Incompatible materials

no data available

### 10.6 Hazardous decomposition products

no data available

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# BIODEGRADABLE GLITTER

## 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

**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.

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## 12. ECOLOGICAL INFORMATION

**12.1 Toxicity**

Not 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; tested using ISO 14851 for freshwater biodegradation; 87% biodegradation achieved in 28 days.

**12.3 Bioaccumulative potential**

no data available

**12.4 Mobility in soil**

no data available

# BIODEGRADABLE GLITTER

## 12.5 Results of PBT and vPvB assessment

no data available

## 12.6 Other adverse effects

no data available

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## 13. DISPOSAL CONSIDERATIONS

### 13.1 Waste product

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

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

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

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

### 13.2 Used packaging material:

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

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## 14. TRANSPORT INFORMATION:

Not restricted for transport.

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## 15. REGULATORY INFORMATION

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

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

no data available

### 15.2 Chemical Safety Assessment

no data available

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## 16. OTHER INFORMATION

Products covered by this data sheet include: **BIODEGRADABLE GLITTER**

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Safety Data Sheet N <sup>o</sup> .	:	RB60

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