

PRODUCT SAFETY DATA SHEET

BIOGLITTERS FOR COSMETICS

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

1.1. Product Identifiers

Product Name: Green Cosmetic Bioglitter

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

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Hertfordshire
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1.4. Emergency Contact Information

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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

Classification according to EU Directives 67/548/EEC or 1999/45/EC

Not classified

2.2. Label elements

Labeling according to Regulation (EC) No 1272/2008 [CLP]

| | |
|--------------------------------|------|
| Pictogram: | na |
| Signal word: | na |
| Hazard statement(s) | None |
| Precautionary statement(s) | None |
| Supplemental Hazard Statements | None |

According to European Directive 67/548/EEC as amended.

| | |
|------------------|-------|
| Hazard symbol(s) | na |
| R-phrase(s) | None. |
| S-phrase(s) | None |

2.3. Other hazards

None

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 | Danger symbol/R phrases |
|-----------|------------|-----------------|-------------------------------|---------------|--------------------------------|------------------|-------------------------|
| 270-493-7 | 68442-85-3 | n.a. | Rayon (Cellulose Regenerated) | c72.0% | None | None | None |
| 200-289-5 | 56-81-5 | n.a. | Glycerin | c 11.0% | None | None | None |
| 231-791-2 | 7732-18-5 | n.a. | Aqua | c 6.0% | None | None | None |
| 200-315-5 | 57-13-6 | n.a. | Urea | c 3.0% | None | None | None |
| | 9010-92-8 | n.a. | Styrene/Acrylate copolymer | Max 8% | None | None | None |

| Pigments Used | | | | | | | |
|---------------|------------|-----------------|------------------------------|---------------|--------------------------------|------------------|-------------------------|
| EINECS N° | CAS N° | Colour INDEX N° | Chemical name | Conc. (% w/w) | Hazard class and category code | Hazard statement | Danger symbol/R phrases |
| 272-939-6 | 68921-42-6 | CI 42090:2 | FD&C Blue No. 1 Al. Lk. | 0 - 3% | None | None | None |
| 235-428-9 | 12225-21-7 | CI 19140:1 | FD&C Yellow No. 5 Al. Lk. | 0 - 3% | None | None | None |
| 215-280-1 | 13463-67-7 | CI 77891 | Titanium Dioxide | 0 - 3% | None | None | None |
| 237-875-5 | 82197-54-4 | CI 77510 | Ferric ammonium ferrocyanide | 0 - 3% | None | None | None |
| 231-072-3 | 7429-90-5 | CI 77000 | Aluminium | 0.1% | Flam. Sol. 1 Water react 2 | H228 H261 | «N», R43, R52/53 |

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

5. FIRE FIGHTING MEASURES

5.1 Suitable Extinguishing Media:

Fires involving cellulose films can be dealt with using any commonly available fire extinguisher, 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.

5.2 Special hazards arising from the substance or mixture:

Bioglitter satisfies the requirements of EN71-2:2011 Safety of Toys – flammability.

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.

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.

6.3 Methods for cleaning up:

Pick up manually or vacuum.

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:

No special measures required
Store in a cool dry place in tightly closed containers.

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 filter mask may be advisable.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

| | |
|---|---------------------|
| a) Appearance: | Solid flakes |
| b) Odour: | mild characteristic |
| c) Odour threshold | no data available |
| 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 ³ 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 | does not present explosive hazard |
| t) Oxidizing properties | no data available |

9.2 Other Safety Information

No data available

10. STABILITY AND REACTIVITY

10.1 Reactivity

no data available

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

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.

12. ECOLOGICAL INFORMATION

12.1 Toxicity

no data available

12.2 Persistence and degradability

Biodegradable

12.3 Bioaccumulative potential

no data available

12.4 Mobility in soil

no data available

12.5 Results of PBT and vPvB assessment

no data available

12.6 Other adverse effects

no data available

13. DISPOSAL CONSIDERATIONS

13.1 Waste product

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

The disposal of Bioglitter 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.

14. TRANSPORT INFORMATION:

Not restricted for transport.

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

16. OTHER INFORMATION

Products covered by this data sheet include: Cosmetic Bioglitter

| | | |
|------------------------------------|---|---------------|
| Issue Date | : | 26 April 2020 |
| Revision Number | : | 1 |
| Safety Data Sheet N ^o . | : | RB60d |

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