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# Cosmetic Bioglitter™ SPARKLE Sahara Gold

## Product Information Sheet

Cosmetic Bioglitter™ SPARKLE SAHARA GOLD 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 | |
|---|---|
| **Biodegradability**<br>Bioglitter™ SPARKLE SAHARA GOLD 008 tested | **Biodegrades well in natural environment**<br>87% biodegradation in 28 days in ISO 14851 test<br>(Biodegradation in natural freshwater environment) |
| **Environmental Safety** | **Complies with environmental safety criteria as per OK biodegradable WATER standard.**<br>*(Ecotoxicity in aquatic environments is part of the OK biodegradable WATER certification process)* |

| 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.7.4% | Styrene/Acrylates Copolymer | | 9010-92-8 | 618-461-7 | N/A | MS |
| c.0.4% | CI 19140 | FD&C Yellow No.5 Al. Lake | 12225-21-7 | 235-428-9 | 19140:1 | MS |
| c.0.1% | Pigment Red 57:1 | D&C Red No.7 Ca. Lake | 5281-04-9 | 226-109-5 | 15850:1 | 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 | | | | | | | 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) |
| 8343/xxxH.FDA | Cosmetic Bioglitter™ SPARKLE Sahara Gold | ● | ● LE | ● | ● | ● | ● | ● | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |

●E - FDA cosmetic regulations NOT suitable for use around eyes. Contains FDA D&C Red No.7 Ca. Lake.
●L - FDA cosmetic regulations NOT suitable for use on lips (lipstick and lip gloss). Contains aluminium.

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 | < 120°C |

| 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

### Additional Information

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

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# PRODUCT SAFETY DATA SHEET

# Cosmetic Bioglitter™ SPARKLE Sahara Gold

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

### 1.1. Product Identifiers

**Product Name:** **Cosmetic Bioglitter™ SPARKLE Sahara Gold**

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

Decorative Material for use in cosmetic products.

### 1.3. Company Identification

Imperial Supply Ltd.

Common Lane, Industrial Estate,
Kenilworth, CV8 2EL, United
Kingdom
Tel: +44 1926 291009

Email: support@craftovator.co.uk
Web: www.craftovator.co.uk

## 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

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## 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 |
| 226-109-5 | 5281-04-9 | CI 15850:1 | D&C Red No. 7 Ca. Lk. | 0 - 3% | None | None | None |
| 215-684-8 | 1333-86-4 | CI 77266 | D&C Black No. 2 | 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

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## 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:**

Bio-glitter® satisfies the requirements of EN71-2:2011 Safety of Toys ï 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.

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## 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.

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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:**
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 Bio-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/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/cm3 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.

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The disposal of Bio-glitter® in supervised compost sites is clean and effective and will result in biodegradation in the presence of suitable micro-organisims 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 Bio-glitter®

| | | |
|---|---|---|
| Issue Date | : | 01 March 2017 |
| Revision Number | : | 1 |
| Safety Data Sheet N$^{O}$. | : | RB60 |

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