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Ficha de Seguridad (CE) n° 1907/2006

SECCIÓN 1: IDENTIFICACION DE LA SUSTANCIA O LA MEZCLA Y DE LA SOCIEDAD O LA EMPRESA

1.1 Identificador de producto

BIODEGRADABLE GLOWY GLITTER

1.2 Usos pertinentes identificados de la sustancia o de la mezcla y usos desaconsejados

Uso general: Decorative Applications

1.3 Datos del proveedor de la ficha de datos de seguridad

- Caldes de Montbui, P. I. La Borda Calle Cerdanya Nave 7
08140 Barcelona
- +34 936 883 107
- 621288 809
- info@rutadelacera.es

1.4 Emergency phone No Phone Number: Spanish Service of Toxicology +34 91 562 04 20
Availability of this phone no.: Weekdays (10:00 to 18:00)

SECCIÓN 2: IDENTIFICACION DE LOS PELIGROS

GHS/CLP-Classification: Not a dangerous product according to the Globally Harmonized System (GHS) and CLP.
It does not have to be labelled according European Regulation (EC) No. 1272/2008.

Additional danger advice: No health and environment risks are apparently known from this product.
We therefore have no knowledge of chronic or skin irritating effects when physical contacts have occurred.

Other hazards This mixture does not meet the PBT & vPvB criteria of REACH regulation, annex XIII
Contains no PBT/vPvB substances $\geq 0.1\%$ assessed in accordance with REACH Annex XIII.

The ingredients included in this product are not listed in the list established in accordance with Article 59(1) of REACH for having endocrine-disrupting properties or are not identified as having endocrine-disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605

SECCION 3: COMPOSICION / INFORMACIÓN SOBRE LOS COMPONENTES

3.1 Chemical characteristics

Description:

Glitter made of Regenerated Cellulose film

3.2 Ingredients

INGREDIENTS	CAS No	INCI NAME/CI No	% WEIGHT
Cellulose	9004-34-6	Cellulose	91.9 - 95
Aluminum	7429-90-5	77000	0.05 - 0.1
Surface binder	125826-44-0	Polyurethane-33	6.5 - 8.0

Specifications are subject to change 05.12.2019

SECCION 4: PRIMEROS AUXILIOS

- Inhalation:** Cellulose powder is considered to be chemically inert, low toxicity dust not normally dangerous to health, although high concentrations in the air may cause a nuisance. If a process generating large quantities of flake or dust particles, precautions must be taken to avoid inhalation and the use of a filter mask may be advisable. In cases where inhalation of flake and dust particles occurs, remove the patient to fresh air and seek medical advice and contact a physician for treatment.
- Skin contact:** No known cases of dermic symptoms have been associated with personnel handling cellulose films. In the event of such an extreme case, rinse with water for at least 15 minutes, 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 medical advice should be sought.
- 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 thoroughly with plenty of running water and remove contact lenses prior to this, do not rub eyes in case of particles in eyes. If eye irritation persists seek medical advice and contact with physician
- Swallowing/ ingestion:** This cellulose film is non-toxic. However, in the unlikely event of ingestion of swallowing of cellulose film, flake or dust particles, rinse mouth thoroughly and drink plenty of water and in case of illness it is recommended that seek medical advice and call a physician.

First aid General Remarks: no toxic reactions in humans known. Most important symptoms and effects, both acute and delayed no data available.

SECCIÓN 5: MEDIDAS DE LUCHA CONTRA INCENDIOS

5.1 Fire Risks

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

The major constituents of the fumes evolved are:

Uncoated films: carbon dioxide, carbon monoxide and water Vapor

Coated films: carbon dioxide, carbon monoxide and water Vapor and at temperatures

>280°C, tetrahydrofuran and harmful vapors can be evolved.

Further decomposition and oxidation products may be formed depending on the fire conditions. Cellulose contains a small amount of polyvinylidene chloride (PVDC) in the coating which may also evolve hydrogen chloride and trace quantities of nitrogen oxides.

Carbon monoxide and certain nitrogen oxides are toxic and hydrogen chloride is corrosive.

Care therefore should be taken not to inhale fumes evolved during a fire involving cellulose films.

5.2 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 local Fire Authority.

5.3 Special hazards arising from the substance or mixture

Cellulit satisfies the requirement 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 ignition is removed.

The major constituent of the fumes evolved are carbon dioxide, carbon monoxide and water Vapor. Cellulose films should not be used for decorative purpose in areas prone to fire risk.

5.4 Advice for fire fighters:

Wear self-contained breathing apparatus for fire fighting.

SECCIÓN 6: ACCIDENTAL RELEASE MEASURES

6.1 Precauciones personales, equipo de protección y procedimientos de emergencia

Wear protective equipment. Keep unprotected person away. Avoid formation of dust. Do not inhale any dust.

6.2 Precauciones relativas al medio ambiente

Ninguna.

6.3 Métodos y material de contención y de limpieza

Recoger el producto vertido con un recogedor de basuras. . Se recomienda el empleo de una aspiradora industrial para evitar la formación de polvo.

SECCIÓN 7: MANIPULACION Y ALMACENAMIENTO

7.1 Manipulación

The film is slippery and should not be allowed to litter floors or obstruct access areas where personnel may walk or stand.

7.2 Precauciones para una manipulación segura

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

7.2.1 Fire and explosion protection information

Keep away from sources of ignition.

7.3 Condiciones de almacenamiento seguro, incluidas posibles incompatibilidades

No special storage necessary. Store in a cool dry place in tightly closed container, away from excessive heat or sources of ignition. However, it is recommended that these films are stored at 17-23 °C and 35-55% Relative Humidity. Cellulose films are suitable for use 6 months from the date of delivery.

7.4 Usos específicos finales

Ninguno

7.4.3 Explosion Risk

Do not allow any accumulation of cellulose powder. If a process generates cellulose powder, extreme care must be taken not to accumulate an electrostatic charge or any other source of ignition. In such cases expert advice should be sought on this matter.

SECCIÓN 8: Controles de exposición/protección individual

8.1 Exposure limits and monitoring in the workplace

8.1.1 Respiratory protection

Ensure adequate ventilation, if ventilation is insufficient use approved respirators. Avoid dusting. Wear NIOSH/MSHA approved dust respirator when

8.1.2 Hand protection: Impervious gloves recommended

8.1.3 Eye protection: Any approved chem workers goggles. Side-shielded safety goggles that conform to EN 166 are required when carrying out mechanical processing with exposure to dust.

8.1.4 Body protection: Generally, normal working clothes are sufficient. These products do not contain any relevant quantities of material with critical values that have to be monitored in the work place.

8.1.5 General work protection and hygiene measures:

Do not inhale dust. Avoid contact with eyes, skin and clothes. Do not eat, drink, smoke or snuff during work. Wash hands prior to breaks and after finishing work. Change soiled clothes. Protect skin by using e.g. skin lotions and -creams

8.2 Restrictions and monitoring of the environmental exposure

These products are not considered to be hazardous under normal conditions of use. General operational procedures are enough to safeguard the environment. Air borne concentration of Celluglit must be kept below the normal recommended levels for inert powder. In the event of process creating large number of flakes or dust particles, precautions must be taken to avoid inhalation and the use of a filter mask may be advisable.

SECCIÓN 9: Propiedades físicas y químicas

9.1 información sobre propiedades físicas y químicas básicas

Physical condition: Solid
Shape: Small particles in either rectangular, hexagonal or square shapes
Odor: None /Odorless
Color: Various

9.2 Physical detail

pH value:	Not applicable
Melting point:	Not applicable
Boiling point:	Not applicable
Flash point:	Not applicable
Ignition temperature:	Not applicable
Weight:	29.1 g/m ²
Thickness:	20 microns
Water solubility:	insoluble in water
Viscosity:	Not applicable
Lower explosion limit:	Not applicable
Upper explosion limit:	Not applicable
Vapour density:	No data available
Evaporation speed	Non –applicable

9.3 Additional safety detail

There are no further details required regarding safety-relevant parameters. It is not classified as hazards or “mixture” the film does not contain SVHC, list of June 26th 2020 and does not require communication in the supply chain. It is not necessary to request update every time the SVHC candidate list changes

The metallized cellulose film is based on renewable sources and certified compostable in both industrial and home composting environments, also suitable for anaerobic digestion

The metallized film complies with the applicable requirements of the EU “framework regulation” for food contact materials, (EC) 1935/2004 and the “Food Contact Plastic Regulation” EU) 10/2011.

SECCIÓN 10: ESTABILIDAD Y REACTIVIDAD

10.1 Thermal stability

Product is stable at room temperature keep away from source of ignition.

10.2 Hazardous decomposition products

Decomposition may release carbon dioxide, carbon monoxide and other organic compounds fumes and vapours, however it is recommended to carry out a trial run prior to processing the product.

10.3 Conditions to be avoided

Avoid contact with acids, alkalis and strong oxidizing agents.

SECCIÓN 11: Información toxicológica

There is no toxicological data available.

According to our knowledge, these products are not considered to be hazardous under normal conditions of use, if inhaled or ingested there are no known adverse effects to be expected, however, in the event of accidental exposure always seek medical attention

Toxicity

Oral	not classified
Dermal	not classified
Endocrine disruption properties	not classified
Inhalation	not classified
Skin irritation/corrosion	not classified
eye irritation/damage	not classified
respiratory sensitization	not classified
skin sensitization	not classified
Carcinogenic	not classified
dangerous aspiration	not classified
mutagenic	not classified
reproductive toxicity	not classified
Specific Target Organ Toxicity - Single Exposure	not classified

SECCIÓN 12: Información ecológica

12.1 Toxicity

There is no Eco toxicological data available.

12.2 Persistence and degradability:

Biodegradable – care must still use to prevent the product contaminating rivers, water ways or drains,

12.3 Bio accumulative potential, mobility in soil:

No data available

12.4 Results of PBT and vPvB assessments:	No data available
12.5 other adverse effects:	No data available. According to our knowledge, these products are not expected to produce any adverse environmental effects.
12.6. Endocrine disrupting properties	No additional information available
12.7 Other adverse effects	No additional information available

SECCIÓN 13: CONSIDERACIONES RELATIVAS A LA ELIMINACIÓN

13.1 Waste product / disposal

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

The disposal of Celluglit in supervised compost sites is clean and effective and will result in biodegradation in the presence of suitable micro-organisms and favorable conditions.

An alternative method of disposal involves incineration which regenerates the energy content of the material. Comply with local and national regulations for waste disposal

13.2 Used packaging material:

Container may be recycled or re-used but empty containers should be washed thoroughly with detergent before being sent for disposal

Observe local / state / federal regulations

Washing should be disposed of as wastes

SECCIÓN 14: Información relativa al transporte

14.1 UN Number	Not regulated.
14.2 UN proper shipping name	Not regulated.
14.3 Transport hazard class(es)	Not regulated.
14.4 Packing group	Not regulated.
14.5. Environmental hazards	No information available
14.6. Special precautions for user	No information available
14.7. Maritime transport in bulk according to IMO instruments	Not applicable

SECCIÓN 15: Información reglamentaria

15.1 EU Regulations

This safety data sheet complies with the requirement of Regulation (EC) No.1907/2006

15.2 Classification and labeling:

Not classified as dangerous according to EC1272/2008 (CLP).

15.3 Hazard Categories: not classified as hazardous according to 1907/2006 and do not require an EU safety data sheet or other communication in the supply chain as they do not contain substance of high very concern (SVHS list as of June 26th 2020) or in accordance to any other known EU regulations.

15.3 Cosmetic Approval

EU, Europe: European Cosmetic Regulation 1223/2009.

USA, North America: FDA Code of Federal Regulations (CFR) Title 21.

Lip FDA cosmetic regulations NOT suitable for use on lips (lipstick and lip gloss). Contains Aluminium

CHN, China: Hygienic Standard for Cosmetics, July 2007.

JPN, Japan: Ministry of health, Labor and welfare Ordinance No 126 of July 29, 2003.QD (JSQI) regulation NOT Applicable.

AUS, Australia: Industrial Chemical (Notification & Assessment) Act 1998 and Cosmetic standard 2007.

KOR, Korea: Korean Cosmetic product act (KPCA), 2000.

SECCION 16: Otra Información

16.1 Summary of the H – statement (rating of the substance Aluminum)

For Aluminum only

H226 Flammable liquid and Vapor

H228 Flammable solid.

H261 In contact with water releases flammable gases. (In case of Aluminum reaction with water)

R 43 May cause sensitization by skin contact

R52 Harmful to aquatic organisms

R53 May cause long-term adverse effects in the aquatic environment

16.2 Further Information

For more information contact product safety at

E-mail: info@ruta delacera.es

Disclaimer: Our technical advice, information and statements – given verbally, in writing or in the form of test results – are offered for your guidance without warranty. NO WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS MADE. This also applies where protective rights of third parties are involved. It does not release the user from the obligation to test the suitability of the products and formulas for the intended process and applications. Our guarantee is limited to the consistent quality of our products. . The approved cosmetic colorants may bleed in certain solvents and may fade with exposure to UV and sunlight. All glitters should be tested in the final formulation for long – term stability.