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# Material Safety Data Sheet (MSDS)

**Applicant:** IGO3D GmbH

**Address:** Vahrenwalder Str. 315 a, 30179 Hannover

**Product Name:** Plastic wires

**Trade Mark:** Maertz

**Model Number:** PLA Rainbow-Magic Silk

**Series Model No.:** N/A

**Issue Date:** Jun. 03, 2024

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## 1. Product and Company Identification

### 1.1 GHS Product identifier

Product name Plastic wires

### 1.2 Recommended use of the chemical and restrictions on use

Recommended Use no data available.

### 1.3 Details of the supplier of the material safety data sheet

Manufacturer: IGO3D GmbH

Address: Vahrenwalder Str. 315 a, 30179 Hannover

Postal Code N/A

Phone 0511 8988870

FAX N/A

E-mail Sales@igo3d.com

## 2. Hazards Identification

### 2.1 Classification of the substance or mixture

Not classified

### 2.2 GHS label elements, including precautionary statements

Pictogram(s) No symbol.

Signal word No signal word.

Hazard statement(s) none

#### Precautionary statement(s)

Prevention none

Response none

Storage none

Disposal none

### 2.3 Other hazards which do not result in classification

no data available.

## 3. Composition/information on ingredients

| Chemical name   | CAS number | EC number | Concentration |
|-----------------|------------|-----------|---------------|
| Polylactic acid | 26023-30-3 | -         | 100%          |

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## **4. First Aid Measures**

### **4.1 Description of necessary first-aid measures**

#### **If inhaled**

Move the victim into fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration and consult a doctor immediately. Do not use mouth to mouth resuscitation if the victim ingested or inhaled the chemical.

#### **Following skin contact**

Take off contaminated clothing immediately. Wash off with soap and plenty of water. Consult a doctor.

#### **Following eye contact**

Rinse with pure water for at least 15 minutes. Consult a doctor.

#### **Following ingestion**

Rinse mouth with water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a doctor or Poison Control Center immediately.

### **4.2 Most important symptoms and effects, both acute and delayed**

No information 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**

Use dry chemical, carbon dioxide or alcohol-resistant foam.

### **5.2 Special hazards arising from the chemical**

No data available

### **5.3 Protective equipment and precautions for firefighters**

Wear self-contained breathing apparatus for firefighting if necessary.

## **6. Accidental Release Measures**

### **6.1 Personal precautions, protective equipment and emergency procedures**

Avoid dust formation. Avoid breathing mist, gas or vapours. Avoid contacting with skin and eye. Use personal protective equipment. Wear chemical impermeable gloves. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

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## 6.2 Environmental precautions

Prevent further spillage or leakage if it is safe to do so. Do not let the chemical enter drains. Discharge into the environment must be avoided.

## 6.3 Methods and material for containment and cleaning up

Collect and arrange disposal. Keep the chemical in suitable and closed containers for disposal. Remove all sources of ignition. Use spark-proof tools and explosion-proof equipment. Adhered or collected material should be promptly disposed of, in accordance with appropriate laws and regulations.

## 7. Handling and Storage

### 7.1 Precautions for safe handling

Handling in a well ventilated place. Wear suitable protective clothing. Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Use non-sparking tools. Prevent fire caused by electrostatic discharge steam.

### 7.2 Conditions for safe storage, including any incompatibilities

Store the container tightly closed in a dry, cool and well-ventilated place. Store apart from foodstuff containers or incompatible materials.

## 8. Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational Exposure limit values

No data available

#### Biological limit values

No data available

### 8.2 Appropriate engineering controls

Ensure adequate ventilation. Handle in accordance with good industrial hygiene and safety practice. Set up emergency exits and the risk-elimination area.

### 8.3 Individual protection measures, such as personal protective equipment (PPE)

#### Eye/face protection

Wear tightly fitting safety goggles with side-shields conforming to EN 166(EU) or NIOSH (US).

#### Skin protection

Wear fire/flammable resistant and impervious clothing. Handle with gloves. Gloves must be inspected prior to use. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

#### Respiratory protection

If the exposure limits are exceeded, irritation or other symptoms are experienced, use a full-face respirator.

#### Thermal hazards

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No data available

## 9. Physical and Chemical Properties

### 9.1 Information on basic physical and chemical properties

|   |                          |
|---|--------------------------|
| Physical state  | Solid                    |
| Colour  | Rainbow-Magic Silk       |
| Odour   | Odorless                 |
| <b>Important health, safety and environmental information</b>   |                          |
| <b>Melting point/ freezing point</b>                            | 130~180°C                |
| <b>Boiling point or initial boiling point and boiling range</b> | no data available        |
| <b>Flammability</b>   | no data available        |
| <b>Lower and upper explosion limit / flammability limit</b>     | no data available        |
| <b>Flash point</b>  | no data available        |
| <b>Auto-ignition temperature</b>                                | > 230°C                  |
| <b>Decomposition temperature</b>                                | no data available        |
| <b>PH</b>   | no data available        |
| <b>Kinematic viscosity</b>                                      | no data available        |
| <b>Solubility</b>   | no data available        |
| <b>Vapour pressure</b>  | 0.0±1.0 mm Hg at 25°C    |
| <b>Density</b>  | 1.2-1.3g/cm <sup>3</sup> |
| <b>Water solubility</b>   | Insoluble with water     |
| <b>Ignition temperature</b>                                     | 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

No data available

### 10.5 Incompatible materials

No data available

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## 10.6 Hazardous decomposition products

No data available

## 11. Toxicological Information

### 11.1 Information on toxicological effects

#### Acute toxicity

**Oral** no data available

**Inhalation** no data available

**Dermal** no data available

**Skin corrosion/irritation** no data available

**Serious eye damage/irritation** no data available

**Skin corrosion/irritation** no data available

**Respiratory or skin sensitization** no data available

**Germ cell mutagenicity** no data available

**Carcinogenicity** no data available

**Reproductive toxicity** no data available

**STOT-single exposure** no data available

**STOT-repeated exposure** no data available

**Aspiration hazard** no data available

## 12. Ecological Information

### 12.1 Toxicity

Toxicity to fish no data available

Toxicity to daphnia and other aquatic invertebrates no data available

Toxicity to algae no data available

Toxicity to microorganisms no data available

### 12.2 Persistence and degradability

No data available

### 12.3 Bioaccumulative potential

No data available

### 12.4 Mobility in soil

No data available

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## 12.5 Other adverse effects

No data available

## 13. Disposal Considerations

### 13.1 Disposal methods

#### Product

The material can be disposed of by removal to a licensed chemical destruction plant or by controlled incineration with flue gas scrubbing. Do not contaminate water, foodstuffs, feed or seed by storage or disposal. Do not discharge to sewer systems.

#### Contaminated packaging

Containers can be triply rinsed (or equivalent) and offered for recycling or reconditioning. Alternatively, the packaging can be punctured to make it unusable for other purposes and then be disposed of in a sanitary landfill. Controlled incineration with flue gas scrubbing is possible for combustible packaging materials.

## 14. Transport Information

### 14.1 UN Number

ADR/RID Not dangerous goods.

IMDG Not dangerous goods.

IATA: Not dangerous goods.

### 14.2 UN Proper Shipping Name

ADR/RID unknown

IMDG unknown

IATA: unknown

### 14.3 Transport hazard class(es)

ADR/RID Not dangerous goods.

IMDG Not dangerous goods.

IATA: Not dangerous goods.

### 14.4 Packing group, if applicable

ADR/RID Not dangerous goods.

IMDG Not dangerous goods.

IATA: Not dangerous goods.

### 14.5 Environmental hazards

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ADR/RID No.

IMDG No.

IATA: No.

#### **14.6 Special precautions for user**

no data available

#### **14.7 Transport in bulk according to Annex II of**

#### **MARPOL 73/78 and the IBC Code**

no data available

### **15. Regulatory Information**

#### **Safety, health and environmental regulations specific for the product in question**

European Inventory of Existing Commercial Chemical Substances (EINECS) Not Listed.

EC Inventory Not Listed.

United States Toxic Substances Control Act (TSCA) Inventory Listed.

China Catalog of Hazardous chemicals 2015 Not Listed.

Philippines Inventory of Chemicals and Chemical Substances (PICCS) Listed.

Vietnam National Chemical Inventory Listed.

Chinese Chemical Inventory of Existing Chemical Substances (China IECSC) Listed.

Korea Existing Chemicals List (KECL) Listed.

### **16. Other Information**

#### **Abbreviations and acronyms**

CAS: Chemical Abstracts Service

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

RID: Regulation concerning the International Carriage of Dangerous Goods by Rail

IMDG: International Maritime Dangerous Goods

IATA: International Air Transportation Association

TWA: Time Weighted Average

STEL: Short term exposure limit

LC50: Lethal Concentration 50%

LD50: Lethal Dose 50%

EC50: Effective Concentration 50%

The above information is based on the data of which we are aware and is believed to be correct as of the data hereof. Since this information may be applied under conditions beyond our control and with which may be unfamiliar and since data made available subsequent to the data hereof may suggest modifications of the information, we do not assume



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any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.

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