

Safety Data Sheet

Prepared in accordance with Regulation (EC) No 1907/2006 (REACH) Annex II, as amended.

Product name: **Maertz PLA Glow+**

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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 Supplier

IGO3D GmbH
Vahrenwalder Straße 315a
30179 Hannover, Germany
Phone: +49 (0) 511 89 88 87 12
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2. Hazards identification

2.1 Classification of the substance or mixture

Not classified

2.2 GHS Label elements, including precautionary statements

None

2.3 Other hazards

no data available

3. Composition/information on ingredients

3.1 Chemical name

Poly(lactic acid)

3.2 CAS number

26023-30-3

3.3 EC number

/

3.4 Concentration

100 %

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.

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/flame 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

No data available

9. Physical and Chemical Properties**9.1 Information on basic physical and chemical properties**

Physical state	Solid
Odour	Odorless

Important health, safety and environmental information

Melting point/ freezing point	130~180°C
Boiling point or initial boiling point and boiling range	no data available
Flammability	no data available
Lower and upper explosion limit / flammability limit	no data available
Flash point	no data available
Auto-ignition temperature	> 230°C
Decomposition temperature	no data available
PH	no data available
Kinematic viscosity	no data available
Solubility	no data available
Vapour pressure	0.0±1.0 mm Hg at 25°C
Density	1.2-1.3g/cm ³
Water solubility	Insoluble with water
Ignition temperature	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

10.6 Hazardous decomposition products

No data available

11. Toxicological Information**11.1 Information on toxicological effects**

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

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

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 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.