

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 03.05.2023

Version number 1

Revision: 15.04.2023

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name **Kera@starSplint Bio**

Article number: 11051216

1.2 Relevant identified uses of the substance or mixture and uses advised against

No further relevant information available.

Application of the substance / the mixture Dental splint production in the dental laboratory

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

Eisenbacher Dentalwaren ED GmbH
Dr. - Konrad - Wiegand - Straße 9
63939 Wörth / Main, Germany
Tel.: 0049 9372 / 94 04 - 0
www.eisenbacher.de

Information:

product management tel.: +49 93 72 - 94 04 - 0
or by mail: info@eisenbacher.de

1.4 Emergency telephone number:

Tel.: +49 (0) 9372 9404 0, Monday to Friday 8.00 a.m. to 5.00 p.m., in German and English, also contact the local poison control centres

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

The product is not to be classified according to the GB CLP regulation.

The substance is not to be classified according to the GB CLP regulation.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 Void

Hazard pictograms Void

Signal word Void

Hazard statements Void

Information pertaining to particular dangers for man and environment Warning! Hot melt.

2.3 Other hazards Risk of dust explosion, dust explosion class ST1

SECTION 3: Composition/information on ingredients

3.1 Chemical characterisation: Substances

CAS No. Designation:

copolyester PCTG

SECTION 4: First aid measures

4.1 Description of first aid measures

General information Instantly remove any clothing soiled by the product.

After inhalation : Supply fresh air; consult doctor in case of symptoms.

After skin contact :

Do not pull solidified product away from the skin.

Instantly remove any clothing soiled by the product.

Instantly rinse with water.

The product is not skin irritating.

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- . **After eye contact** : Rinse opened eye for 15 minutes under running water. Then consult doctor.
- . **After swallowing** :
Do not induce vomiting; instantly call for medical help.
In case of persistent symptoms consult doctor.
- . **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.
- . **4.3 Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

SECTION 5: Firefighting measures

- . **5.1 Extinguishing media**
- . **Suitable extinguishing agents**
Carbon dioxide
Water spray jet
Sand
- . **5.2 Special hazards arising from the substance or mixture** Carbon oxides (CO and CO₂)
- . **5.3 Advice for firefighters**
Product is not explosive.
However, formation of explosive dust-/air mixtures is possible.
- . **Protective equipment:**
Wear alkaline resistant protective clothing.
Wear self-contained breathing apparatus.

SECTION 6: Accidental release measures

- . **6.1 Personal precautions, protective equipment and emergency procedures**
Avoid causing dust.
Do not inhale fumes and vapours of melted product.
Wear protective equipment. Keep unprotected persons away.
Keep away from ignition sources
Wear protective clothing.
- . **6.2 Environmental precautions:** No special measures required.
- . **6.3 Methods and material for containment and cleaning up:**
Collect mechanically.
Avoid causing dust.
Send for recovery or disposal in suitable containers.
- . **6.4 Reference to other sections**
See section 7 for information on safe handling
See section 8 for information on personal protection equipment.
See Section 13 for information on disposal.

SECTION 7: Handling and storage

- . **7.1 Precautions for safe handling**
Any deposit of dust which cannot be avoided must be removed regularly.
Ensure that suitable extractors are available on processing machines
Provide suction extractors if dust is formed.
Prevent formation of dust.
Do not inhale the product.
- . **Information about protection against explosions and fires:** Dust can combine with air to form an explosive mixture.
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7.2 Conditions for safe storage, including any incompatibilities

Storage

Requirements to be met by storerooms and containers:

Keep out of direct sunlight.

Polyethylene, polypropylene

Information about storage in one common storage facility: Not required.

Further information about storage conditions:

Protect from heat and direct sunlight.

Store in cool, dry conditions in well sealed containers.

7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Components with critical values that require monitoring at the workplace: Not required.

Additional information: The lists that were valid during compilation were used as a basis.

8.2 Exposure controls

Personal protective equipment

General protective and hygienic measures

Avoid contact with the eyes and skin.

Do not eat, drink or smoke while working.

Wash hands during breaks and at the end of the work.

Do not inhale dust / smoke / mist.

Breathing equipment:

Breathing protection recommended.

Use breathing protection in case of insufficient ventilation.

Required when dusts are generated.

Protection of hands:

Wear gloves in a suitable material.

When handling molten material.

when using hot product

Wear gloves for the protection against mechanical hazards according to EN 388.

Material of gloves Wear gloves to avoid contact during mechanical processing and/or melting operations.

Penetration time of glove material Not required.

Eye protection: Safety glasses (DIN 58211, EN 166)

Body protection: Light weight protective clothing

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Appearance:

Form: Filament

Colour: Black

Smell: Odourless

Odour threshold: Not determined.

pH-value: Not determined.

Not applicable.

Change in condition

Melting point/freezing point: Not determined

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Initial boiling point and boiling range:	Not determined
. Flash point:	Not applicable
. Inflammability (solid, gaseous)	Not applicable.
. Decomposition temperature:	Not determined.
. Self-inflammability:	Not determined.
. Explosive properties:	Product is not explosive.
. Critical values for explosion:	
Lower:	Not determined.
Upper:	Not determined.
. Dust explosion class:	
Oxidising properties	none
. Steam pressure:	Not determined. Not applicable.
. Density at 20 °C	1.23-1.27 g/cm ³
. Relative density	Not determined.
. Vapour density	Not determined.
. Evaporation rate	Not determined.
. Solubility in / Miscibility with	
Water:	Not miscible or difficult to mix Unsoluble
. Partition coefficient: n-octanol/water:	Not determined.
. Viscosity:	
dynamic:	Not determined.
kinematic:	Not determined.
Solids content:	100.0 %
. 9.2 Other information	No further relevant information available.

SECTION 10: Stability and reactivity

- . 10.1 Reactivity No hazardous reactions when stored and handled according to instructions.
- . 10.2 Chemical stability
- . Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- . 10.3 Possibility of hazardous reactions No dangerous reactions known
- . 10.4 Conditions to avoid
Protect from heat and direct sunlight.
Exposure to moisture.
- . 10.5 Incompatible materials: No further relevant information available.
- . 10.6 Hazardous decomposition products: Carbon oxides (CO and CO₂)

SECTION 11: Toxicological information

- . 11.1 Information on toxicological effects
- . Acute toxicity Based on available data, the classification criteria are not met.
- . Primary irritant effect:
- . Skin corrosion/irritation Based on available data, the classification criteria are not met.

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- . **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
- . **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- . **Additional toxicological information:**
- . **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
Due to the ingredients there is no suspicion of a carcinogenic effect.
- . **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- . **Carcinogenicity** Based on available data, the classification criteria are not met.
- . **Reproductive toxicity** Based on available data, the classification criteria are not met.
- . **STOT-single exposure** Based on available data, the classification criteria are not met.
- . **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- . **Aspiration hazard** Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

- . **12.1 Toxicity**
- . **Aquatic toxicity:** No further relevant information available.
- . **12.2 Persistence and degradability** No further relevant information available.
- . **12.3 Bioaccumulative potential** No further relevant information available.
- . **12.4 Mobility in soil** No further relevant information available.
- . **Additional ecological information:**
- . **General notes:** Generally not hazardous for water.
- . **12.5 Results of PBT and vPvB assessment**
- . **PBT:** Not applicable.
- . **vPvB:** Not applicable.
- . **12.6 Other adverse effects** No further relevant information available.

SECTION 13: Disposal considerations

- . **13.1 Waste treatment methods**
- . **Recommendation** Smaller quantities can be disposed with household garbage.
- . **Uncleaned packaging:**
- . **Recommendation:**
Dispose of packaging according to regulations on the disposal of packagings.
Empty contaminated packagings thoroughly. They can be recycled after thorough and proper cleaning.
Packagings that cannot be cleaned are to be disposed of in the same manner as the product.
- . **Recommended cleaning agent:** Water, if necessary with cleaning agent.

SECTION 14: Transport information

- | | |
|--|-----------------|
| . 14.1 UN-Number | |
| . ADR/RID/ADN, IMDG, IATA | Void |
| . 14.2 UN proper shipping name | |
| . ADR/RID/ADN, IMDG, IATA | Void |
| . 14.3 Transport hazard class(es) | |
| . ADR/RID/ADN, IMDG, IATA | |
| . Class | Void |
| . 14.4 Packing group | |
| . ADR/RID/ADN, IMDG, IATA | Void |
| . 14.5 Environmental hazards: | Not applicable. |
| . 14.6 Special precautions for user | Not applicable. |
| . 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code | Not applicable. |

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. UN "Model Regulation":

Void

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SECTION 15: Regulatory information

. 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

. Directive 2012/18/EU

. Named dangerous substances - ANNEX I Substance is not listed.

. 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

. **Contact:** info@eisenbacher.de

. **Abbreviations and acronyms:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

CAS: Chemical Abstracts Service (division of the American Chemical Society)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

. **Sources:** source ECHA: European Chemicals Agency, <http://echa.europa.eu/>

. * **Data compared to the previous version altered.**