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# Safety Data Sheet acc. to OSHA HCS

Printing date 07/07/2022	Reviewed on 07/07/2022
1 Identification	
· Product identifier	
<ul> <li>Trade name: Blasting beads</li> </ul>	
· CAS Number:	
65997-17-3 · <b>EC number:</b>	
266-046-0	
·-	
<ul> <li>Application of the substance / the mixture Clear</li> </ul>	ning material/ Detergent
<ul> <li>Details of the supplier of the safety data sheet</li> <li>Manufacturer/Supplier: Kulzer GmbH</li> </ul>	
Leipziger Straße 2, 63450 Hanau (Germany)	Tel.: +49 (0)800 4372522
<ul> <li>Information department: Tel. +1 (800) 431-1785 Fax: +1 (800) 522-1545 e-mail: customer.servicehkna@kulzer-dental.com</li> <li>Emergency telephone number:</li> </ul>	
Emergency CONTACT (24-Hour-Number)	
ID 105860: (domestic) 1 800 535 5053 or internationa	al (001) 352 323 3500
2 Hazard(s) identification	
<ul> <li>Classification of the substance or mixture The substance is not classified, according to the Globally</li> </ul>	Harmonized System (GHS).
Label elements GHS label elements Void Hazard pictograms Void Signal word Void Hazard statements Void Classification system NFPA ratings for USA (scale 0-4)	
$\begin{array}{c} Health = 0\\ Fire = 0\\ Reactivity = 0 \end{array}$	
· HMIS-Ratings (Scale 0-4)	
HEALTH $\bigcirc$ Health = 0	
FIRE O Fire = 0	
Reactivity = 0	
<b>Results of PBT and vPvB assessment</b> <b>PBT:</b> Not applicable.	
• <b>vPvB:</b> Not applicable.	
3 Composition/information on ingredients	
<ul> <li>Chemical characterization: Substances</li> <li>CAS No. Description:</li> </ul>	
65997-17-3 Mikroglaskugeln	
· Identification number(s): -	(Contd. on page 2)
	(Contd. on page 2)



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• EC number: 266-046-0

#### 4 First-aid measures

- <sup>·</sup> Description of first aid measures
  - General information No special measures required.
  - After skin contact Generally the product does not irritate the skin.
  - After eye contact Rinse opened eye for several minutes under running water.
  - · After swallowing
  - Rinse out mouth and then drink plenty of water.
  - If symptoms persist consult doctor.
  - Information for doctor
    - *Most important symptoms and effects, both acute and delayed* No further relevant information available.
    - Indication of any immediate medical attention and special treatment needed
       No further relevant information available.

### 5 Fire-fighting measures

- · Extinguishing media
  - Suitable extinguishing agents

CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

- **Special hazards arising from the substance or mixture** No further relevant information available. • **Advice for firefighters** 
  - · Protective equipment: No special measures required.
- · Additional information -

#### 6 Accidental release measures

· Personal precautions, protective equipment and emergency procedures Not required.

- · Environmental precautions: No special measures required.
- Methods and material for containment and cleaning up: Pick up mechanically.
- **Reference to other sections** No dangerous substances are released. See Section 8 for information on personal protection equipment.

### 7 Handling and storage

· Handling

- Precautions for safe handling No special measures required.
- · Information about protection against explosions and fires: No special measures required.
- · Conditions for safe storage, including any incompatibilities
  - Storage
    - Requirements to be met by storerooms and receptacles: No special requirements.
    - Information about storage in one common storage facility: Not required.
    - Further information about storage conditions: None.
- Specific end use(s) No further relevant information available.

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Reviewed on 07/07/2022



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(Contd. of page 2)

Control parameters Components with limit values that require monitoring at the workplace: The product does not contain any relevant quantities of materials with critical values that have be monitored at the workplace. Not required. Additional information: The lists that were valid during the creation were used as basis. Exposure controls General protective equipment General protective and hygienic measures The usual precautionary measures for handling chemicals should be followed. Breathing equipment: Not required. Protection of hands: Check protective gloves prior to each use for their proper condition. recommended Material of gloves The selection of the suitable gloves does not only depend on the material, but also further marks of quality and varies from manufacturer to manufacturer. As the product in advance and has therefore to be checked prior to the application. Penetration time of glove material The exact break through time has to be found out by the manufacturer of the protect gloves made has to be observed. For the permanent contact of a maximum of 15 minutes gloves made of the followin materials are suitable: Butyl rubber, NBR Eye protection: Light weight protective clothing		of technical systems: No further data; see item 7.
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Nitrile rubber, NBR         • Eye protection: Not absolutely necessary.         • Body protection: Light weight protective clothing         • Physical and chemical properties         • Information on basic physical and chemical properties         • General Information         • Appearance:         • Form:         • Color:         • Odor:         • Odor:         • Odor:         • Odor threshold:         • pH-value:         • Not applicable.         • Change in condition         • Melting point/Melting range:         • Soiling point/Boiling range:         • Flash point:		
<ul> <li>Eye protection: Not absolutely necessary.</li> <li>Body protection: Light weight protective clothing</li> </ul> Physical and chemical properties <ul> <li>Information on basic physical and chemical properties</li> <li>General Information</li> <li>Appearance:         <ul> <li>Form:</li> <li>Like powder</li> <li>Color:</li> <li>White</li> <li>Odor!</li> <li>Odorless</li> <li>Odor threshold:</li> <li>Not determined.</li> </ul> </li> <li>PH-value:</li> <li>Not applicable.</li> <li>Change in condition         <ul> <li>Melting point/Melting range:</li> <li>G30 °C (1, 166 °F)</li> <li>Boiling point/Boiling range:</li> <li>Not applicable</li> </ul> </li> </ul>		
Body protection: Light weight protective clothing      Physical and chemical properties     Information on basic physical and chemical properties     General Information     Appearance:         Form:         Like powder         Color:         White         Odor:         Odorless         Odor threshold:         Not determined.      PH-value:     Not applicable.      Change in condition         Melting point/Melting range:         Undetermined          Flash point:         Not applicable		
Physical and chemical properties         Information on basic physical and chemical properties         General Information         Appearance:         Form:         Color:         White         Odor:         Odor:         Odor threshold:         Not determined.         PH-value:         Not applicable.         Change in condition         Melting point/Melting range:         630 °C (1,166 °F)         Boiling point/Boiling range:         Not applicable	<ul> <li>Eve protection: Not absolutely ne</li> </ul>	ecessary
<ul> <li>Information on basic physical and chemical properties         <ul> <li>General Information</li> <li>Appearance:</li> <li>Form:</li> <li>Color:</li> <li>White</li> <li>Odor:</li> <li>Odor threshold:</li> <li>Not determined.</li> </ul> </li> <li>PH-value:</li> <li>Not applicable.</li> <li>Change in condition         <ul> <li>Melting point/Melting range:</li> <li>630 °C (1,166 °F)</li> <li>Boiling point/Boiling range:</li> <li>Not applicable</li> </ul> </li> <li>Flash point:</li> <li>Not applicable</li> </ul>	• Eye protection: Not absolutely ne • Body protection: Light weight pro	ecessary. otective clothing
<ul> <li>Information on basic physical and chemical properties         <ul> <li>General Information</li> <li>Appearance:</li> <li>Form:</li> <li>Color:</li> <li>White</li> <li>Odor:</li> <li>Odor threshold:</li> <li>Not determined.</li> </ul> </li> <li>PH-value:</li> <li>Not applicable.</li> <li>Change in condition         <ul> <li>Melting point/Melting range:</li> <li>630 °C (1,166 °F)</li> <li>Boiling point/Boiling range:</li> <li>Not applicable</li> </ul> </li> <li>Flash point:</li> <li>Not applicable</li> </ul>	<ul> <li>Eye protection: Not absolutely ne</li> <li>Body protection: Light weight pro</li> </ul>	ecessary. otective clothing
General Information       Appearance:         Appearance:       Like powder         Form:       Like powder         Color:       White         Odor:       Odorless         Odor threshold:       Not determined.         pH-value:       Not applicable.         Change in condition       630 °C (1,166 °F)         Boiling point/Melting range:       630 °C (1,166 °F)         Boiling point/Boiling range:       Not applicable	· Body protection: Light weight pro	otective clothing
· Appearance:       Like powder         · Form:       Like powder         · Color:       White         · Odor:       Odorless         · Odor threshold:       Not determined.         · pH-value:       Not applicable.         · Change in condition       630 °C (1,166 °F)         · Boiling point/Boiling range:       630 °C (1,266 °F)         · Flash point:       Not applicable	· Body protection: Light weight pro	otective clothing
· Appearance:       Like powder         · Form:       Like powder         · Color:       White         · Odor:       Odorless         · Odor threshold:       Not determined.         · pH-value:       Not applicable.         · Change in condition       630 °C (1,166 °F)         · Boiling point/Boiling range:       630 °C (1,266 °F)         · Flash point:       Not applicable	• Body protection: Light weight pro Physical and chemical properti	otective clothing
Form:       Like powder         Color:       White         Odor:       Odorless         Odor threshold:       Not determined.         pH-value:       Not applicable.         Change in condition       630 °C (1,166 °F)         Boiling point/Boiling range:       630 °C (1,166 °F)         Flash point:       Not applicable	<b>Body protection:</b> Light weight pro <b>Physical and chemical properti</b> Information on basic physical and che	otective clothing
· Color:       White         · Odor:       Odorless         · Odor threshold:       Not determined.         · pH-value:       Not applicable.         · Change in condition       630 °C (1,166 °F)         · Melting point/Melting range:       630 °C (1,166 °F)         · Boiling point/Boiling range:       Not applicable         · Flash point:       Not applicable	<b>Body protection:</b> Light weight pro <b>Physical and chemical properti</b> Information on basic physical and che General Information	otective clothing
· Odor:       Odorless         · Odor threshold:       Not determined.         · pH-value:       Not applicable.         · Change in condition       630 °C (1,166 °F)         · Boiling point/Boiling range:       630 °C (1,266 °F)         · Flash point:       Not applicable	<b>Body protection:</b> Light weight pro <b>Physical and chemical properti</b> Information on basic physical and che General Information Appearance:	otective clothing es emical properties
· Odor threshold:       Not determined.         · pH-value:       Not applicable.         · Change in condition       630 °C (1,166 °F)         · Melting point/Melting range:       630 °C (1,166 °F)         · Boiling point/Boiling range:       Not applicable         · Flash point:       Not applicable	<b>Body protection:</b> Light weight pro <b>Physical and chemical properti</b> Information on basic physical and che General Information Appearance: Form:	emical properties
· pH-value:       Not applicable.         · Change in condition       630 °C (1,166 °F)         · Melting point/Melting range:       630 °C (1,166 °F)         · Boiling point/Boiling range:       undetermined         · Flash point:       Not applicable	Body protection: Light weight pro Physical and chemical properti Information on basic physical and che General Information Appearance: Form: Color:	emical properties
Change in condition         Melting point/Melting range:       630 °C (1,166 °F)         Boiling point/Boiling range:       undetermined         Flash point:       Not applicable	Body protection: Light weight pro Physical and chemical properti Information on basic physical and che General Information Appearance: Form: Color: Odor:	emical properties Like powder White Odorless
· Melting point/Melting range:       630 °C (1,166 °F)         · Boiling point/Boiling range:       undetermined         · Flash point:       Not applicable	Body protection: Light weight pro Physical and chemical properti Information on basic physical and che General Information Appearance: Form: Color: Odor: Odor threshold:	emical properties Like powder White Odorless Not determined.
Boiling point/Boiling range:     undetermined       Flash point:     Not applicable	Body protection: Light weight pro Physical and chemical properti Information on basic physical and che General Information Appearance: Form: Color: Odor: Odor threshold: pH-value:	emical properties Like powder White Odorless Not determined.
Flash point:     Not applicable	Body protection: Light weight pro Physical and chemical properti Information on basic physical and che General Information Appearance: Form: Color: Odor: Odor threshold: pH-value: Change in condition	es emical properties Like powder White Odorless Not determined. Not applicable.
	Body protection: Light weight pro Physical and chemical properti Information on basic physical and che General Information Appearance: Form: Color: Odor: Odor: Odor threshold: PH-value: Change in condition Melting point/Melting range:	emical properties Like powder White Odorless Not determined. Not applicable. 630 °C (1,166 °F)
· Flammability (solid, gaseous) Not determined.	Body protection: Light weight pro Physical and chemical properti Information on basic physical and che General Information Appearance: Form: Color: Odor: Odor: Odor threshold: PH-value: Change in condition Melting point/Melting range: Boiling point/Boiling range:	emical properties Like powder White Odorless Not determined. Not applicable. 630 °C (1,166 °F)
	Body protection: Light weight pro Physical and chemical properti Information on basic physical and che General Information Appearance: Form: Color: Odor: Odor: Odor threshold: PH-value: Change in condition Melting point/Melting range: Boiling point/Boiling range:	emical properties Like powder White Odorless Not determined. Not applicable. 630 °C (1,166 °F) undetermined



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Reviewed on 07/07/2022

## Trade name: Blasting beads

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<ul> <li>Decomposition temperature:</li> </ul>	Not determined.	
· Auto igniting:	Not determined.	
• Danger of explosion:	Product does not present an explosion hazard. Not determined.	
• Explosion limits: • Lower: • Upper:	Not determined. Not determined.	
· Vapor pressure:	Not applicable.	
<ul> <li>Density at 20 °C (68 °F):</li> <li>Relative density</li> <li>Vapor density</li> <li>Evaporation rate</li> </ul>	2.6 g/cm <sup>3</sup> (21.697 lbs/gal) Not determined. Not applicable. Not applicable.	
Solubility in / Miscibility with Water:	Insoluble	
· Partition coefficient (n-octanol/wa	ater): Not determined.	
Viscosity: dynamic: kinematic:	Not applicable. Not applicable.	
· Solids content:	100.0 %	
Other information	No further relevant information available.	

#### 10 Stability and reactivity

- · Reactivity No further relevant information available.
- · Possibility of hazardous reactions No dangerous reactions known
- · Conditions to avoid No further relevant information available.
- · Incompatible materials: No further relevant information available.
- · Hazardous decomposition products: none
- · Additional information: -

### 11 Toxicological information

- · Information on toxicological effects
  - Acute toxicity:
    - · Primary irritant effect:
      - on the skin: No irritant effect.
      - on the eye: No irritating effect.
    - Sensitization: No sensitizing effects known.
  - · Additional toxicological information:

When used and handled according to specifications, the product does not have any harmful effects according 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.

· Carcinogenic categories

· IARC (International Agency for Research on Cancer)

Substance is not listed.

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• NTP (National Toxicology Program)

Substance is not listed.

#### · OSHA-Ca (Occupational Safety & Health Administration)

Substance is not listed.

· Reproductive toxicity Based on available data, the classification criteria are not met.

### 12 Ecological information

#### · Toxicity

- Aquatic toxicity: No further relevant information available.
- · Persistence and degradability No further relevant information available.
- Behavior in environmental systems: Bioaccumulative potential No further relevant information available.
  - Mobility in soil No further relevant information available.
- · Results of PBT and vPvB assessment
  - PBT: Not applicable.
  - · vPvB: Not applicable.
- · Other adverse effects No further relevant information available.

#### 13 Disposal considerations

· Waste treatment methods Recommendation Smaller quantities can be disposed of with household waste.

 Uncleaned packagings: **Recommendation:** Packaging can be reused or recycled after cleaning.

4 Transport information		
UN-Number DOT, ADR, ADN, IMDG, IATA	Void	
· UN proper shipping name · DOT, ADR, ADN, IMDG, IATA	Void	
· Transport hazard class(es)		
DOT, ADR, ADN, IMDG, IATA Class	Void	
· Packing group · DOT, ADR, IMDG, IATA	Void	
· Environmental hazards: · Marine pollutant:	No	
· Special precautions for user	Not applicable.	
<ul> <li>Transport in bulk according to Annex MARPOL73/78 and the IBC Code</li> </ul>	ll of Not applicable.	
· Transport/Additional information:	-	
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· UN "Model Regulation":

Void

### 15 Regulatory information

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

SARA Section 355 (extremely hazardous substances)

Substance is not listed.

SARA Section 313 (specific toxic chemical listings)

Substance is not listed.

<sup>.</sup> Proposition 65

· Prop 65 - Chemicals known to cause cancer

Substance is not listed.

Chemicals known to cause reproductive toxicity for females:

Substance is not listed.

· Chemicals known to cause reproductive toxicity for males:

Substance is not listed.

• Chemicals known to cause developmental toxicity:

Substance is not listed.

· Cancerogenity categories

· EPA (Environmental Protection Agency)

Substance is not listed.

· TLV (Threshold Limit Value)

Substance is not listed.

• NIOSH-Ca (National Institute for Occupational Safety and Health)

Substance is not listed.

Chemical safety assessment

• Water hazard class: Generally not hazardous for water.

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

### 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. • **Date of preparation / last revision** 07/07/2022 / 2

Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail) IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA) ICAO: International Civil Aviation Organisation ICAO-TI: Technical Instructions by the "International Civil Aviation Organisation" (ICAO) 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 DOT: US Department of Transportation

IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

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HMIS: Hazardous Materials Identification System (USA) PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative NIOSH: National Institute for Occupational Safety OSHA: Occupational Safety & Health TLV: Threshold Limit Value PEL: Permissible Exposure Limit REL: Recommended Exposure Limit • \* Data compared to the previous version altered.

US