

## Safety Data Sheet

according to EC regulation no. 1907/2006 (REACH) and (EU) 453/2010

Trade name: **ROTOBASE**

Revised edition: 09.03.2020

### 1. Material-/Formulation and trade name

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1.1 Registered trade name:	ROTOBASE
1.2 Fields of applications:	
1.2.1 Drymix and building industry:	Lightweight plasters, Lightweight mortar, Insulation plasters, Renovation plasters, Thin-bed mortar, Sounds absorption plasters, Plasters for facing, Fire and sound protection panels, Lightweight screed, Lightweight concret, Levelling fill
1.2.2 Construction chemicals:	Organic plaster systems, Tile adhesive, Self-levelling compound, Basecoat mortar, Thin-bed mortar, Paints and coat systems, Primers, Plastics
1.2.3 Chemical and industrial applications:	Carriers, Under powder welding aggregate, Cast- and refractory aggregate, Oil and chemical binder
1.2.4 Biologic applications:	Carriers, Carriers for bacteria, Substrates for cacti and orchids
1.2.5 Abrasive applications:	Grinding, Sand blasting,
1.2.6 Filtration:	Filter media for drinking water, Filter media for desalination of sea water, Filter media for sewage water, Filter media for food, Filter media for air purification
1.2.7 Cosmetics and home:	Facial scrub, Skin crème, Hand soaps, Winter grit
1.2.8 Filler:	Plastics, Automotive
1.3 Manufacturer / Supplier:	Dr. Carl Riffer Baustoffwerke GmbH & Co. KG Eisenbahnstr. 12, 56218 Muelheim-Kaerlich Phone: 0049 26 30 / 96 515 0 Fax: 0049 26 30 / 96 515 77
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### 2. Hazards

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- 2.1 Classification of the material: (CLP): According to the regulation (EG) no. 1272/2008
- The material is classified as not dangerous in terms of the regulation (EG) no. 1272/2008.  
Classification according to EU-regulation 1999/45/EG: The material is classified as not dangerous in terms of the EG-regulation 1999/45/EG.
- 2.2 WHMIS-Symbols: (CLP): According to the regulation (EG) no. 1272/2008
- None

### 3. Composition / information on components

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ROTOBASE is a product according to REACH. It is excluded from the labelling requirement (see item 15)

- 3.1 Chemical characterization: natural, light frothy volcanic glass known as expanded silica - CAS No.: 1332-09-8
- 3.2 Mineral content: silica, alumina, alkalis, iron oxide, calcium, magnesium, titanium oxide
- 3.3 Hazardous Ingredients: None

### 4. First aid concerns

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- 4.1 General information: No special requirements
- 4.2 After inhalation: expanded silicate grains can not enter the respiratory tract. In case of dust inhalation provide fresh air
- 4.3 After skin contact: rinse with hot water
- 4.4 After eye contact: Rinse eye for several minutes under running water

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### **5. Fire-fighting measures**

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5.1. Suitable extinguishing agents: Use fire fighting measures that suit the environment. The product itself is not flammable. CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with foam.

5.2 Special hazards caused by the Material, its combustion products or resulting gases that can be released in case of fire: not applicable

5.3 Special protective equipment: No special requirements

### **6. Precautions in case of accidental release:**

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6.1 Individual related precautions: Avoid dust formation (in dry material), wear personal safety clothing

6.2 Environmental precautions: no special requirements

6.3 Methods for Cleaning/ Collecting: Collect mechanically

6.4 Additional information: For information on personal protective equipment see Chapter 8

### **7. Handling and Storage**

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#### 7.1 Handling:

Information for safe handling: in case of dust formation provide exhaust

Precautions for fire and explosion protection: the product is non-flammable

#### 7.2 Storage:

Request on the storage facility: according to the intended use store clean

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### 8. Exposure limitations/definitions/controls and personal protective gear

8.1 Components with workplace related, to be monitored limits:

Avoid dust formation (in case of dry material)

8.2 Individual Protective Equipment: General protective and hygienic measures:

The usual precautions when handling dust should be observed.

8.3 Respiratory protection:

Dust mask (when handling dry material)

8.4 Hand protection:

Not required, gloves optional

8.5 Eye protection:

Safety goggles are not required during normal application

8.6 Skin protection:

Not required

### 9. Physical and Chemical Properties

Form: grain size 0 – 0,09 mm  
Color: white, yellow, light gray  
Odor: Odorless

9.1 Change of state:  
Melting point / melting range: 1000 ° C

9.2 Flash Point: not determinable

9.3 Danger of explosion: the product is non-explosive

9.4 Density: 550 – 650 kg / m<sup>3</sup>

9.5 pH-value: 7-11

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### ***10. Stability and reactivity***

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|---|--|
| 10.1 Thermal decomposition / conditions to avoid: | thermally stable, no decomposition by intended decomposition |
| 10.2 Substances to be avoided:                    | none   |
| 10.3 Dangerous reactions:                         | No dangerous reactions known                                 |
| 10.3 Hazardous decomposition products:            | not applicable   |

### ***11. Information on toxicology***

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|---|-----------------------------|
| 11.1 Acute toxicity:                    |                             |
| Primary irritant effect:                |                             |
| on the skin:                            | No irritant effect          |
| on the eye:                             | no / moderate irritant      |
| 11.2 Sensitization:                     | No sensitizing effect known |
| 11.3 Additional toxicological cautions: | None                        |

### ***12. Ecological Information***

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|----------------|---|
| General notes: | no negative effect on soil or groundwater |
|----------------|---|

### ***13. Disposal information***

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|---------------------------------|---|
| 13.1 Recommendation:            | when worked into the soil, conducive for plant growth |
| 13.2 Waste disposal key number: | No information  |

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### 14. Transport information

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Transport / additional information: No dangerous goods according to transport regulations.

### 15. Regulations

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**This product is excluded of the REACH-Registration-Obligation according to EC 1907/2006 appendix V.II**

Expanded silicate is monitored according to DIN EN 13055-1:2002-08 "lightweight aggregate for concrete, mortar and grout"

Expanded silicate identification after EC guidelines: no identification obligation

Code letter and hazard symbols of the product: not applicable

Risk determent components for Labeling: None  
R-phrases: ---  
S-phrases: ---

Water hazard class: not hazardous for water

### 16. Other information:

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This information is based on the present level of our knowledge, but they do not constitute a guarantee of product properties and establishes no contractual legal relationship

Department issuing MSDS:

Research & Development



Contact:

Mrs. Andrea Romacho