

Safety Data Sheet

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

Trade name: **ROTOCELL**

Revised edition: 27.01.2020

1. Material-/Formulation and trade name

1.1 Registered trade name:	ROTOCELL
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 concrete, 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 Eisenbahnstraße 12, 56218 Muelheim-Kaerlich. Phone: 0049 26 30 / 96 515 0 Fax: 0049 26 30 / 96 515 77
Contact:	Mrs. Andrea Romacho

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2. Hazards

- 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

ROTOCELL 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

- 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

- 5.1. Suitable extinguishing agents: Use firefighting measures that suit the environment. The product itself is not flammable. CO₂, 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:

- 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

- 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 should be

hygienic measures:

The usual precautions when handling dust 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 - 16 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:

280 – 600 kg / m³

9.5 pH-value:

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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

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

12. Ecological Information

General notes:	No negative effect on soil or groundwater
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13. Disposal information

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

14. Transport information

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

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:

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