

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

Trade name: **ROTOCELL PLUS**

Revised edition: 03.02.2020

1. Material-/Formulation and trade name

- 1.1 Registered trade name: ROTOCELL PLUS
- 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
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Safety Data Sheet
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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 PLUS 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 fire fighting 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 be 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 - 15 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: 7-11

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10. Stability and reactivity

- 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: 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

- General notes: no negative effect on soil or groundwater

13. Disposal information

- 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

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

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



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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