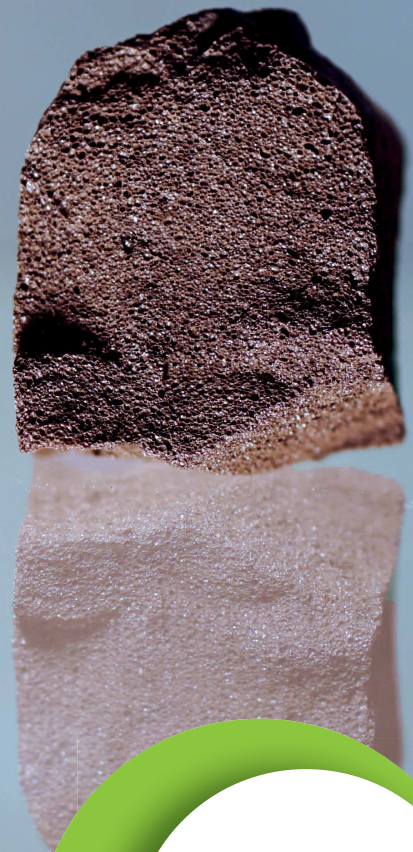




**veriso RED
expanded glass
gravel**



**SAFETY
DATA SHEET**

according to Regulation (EC) No 1907/2006

1. Name of the material/mixture and the company

■ Product identifier

Material designation: Light, load-bearing fill material made from foam glass

Trade name: **veriso RED expanded glass gravel**

CAS number: Not relevant

veriso **veriso RED expanded glass gravel** is a final product (Construction Products n.BauPVO).

■ Relevant identified use of the material or mixture

Use as a load-bearing lightweight fill material for thermal insulation under predominantly stationary loads, as a lightweight fill material to fill intermediate spaces, as a lightweight fill material for strain relief for ground sensitive to settlement under predominantly stationary loads.

■ Details of the manufacturer and supplier

Manufacturer
Veriso GmbH & Co. KG
Zeppelinstr. 15
75438 Knittlingen
Germany
Tel.: +49 7043 95 55 95-0
Email: info@veriso.eu

Branches of Veriso GmbH & Co. KG in Germany:

Knittlingen	Zeppelinstr. 15, 75438 Knittlingen
Edeweicht	Industriestr. 4, 26188 Edeweicht
Husum	Nienburger Str.6, 31632 Husum

■ Contact for technical information

Knittlingen Tel.: +49 7043 95 55 95-0

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■ Emergency phone number

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2. Possible dangers

■ Classification of the material or mixture

Classification (EC 1272/2008)

Physical hazards: Classification not required

Health hazards: Classification not required

Environmental hazards: Classification not required

■ Label elements

veriso RED expanded glass gravel is a final product (construction product) and therefore does not fall under the obligation for classification and labeling as per Regulation (EC) No. 1272/2008.

■ Other hazards

Concentrations of possible dust development is dependent on processing. Material concentrations over 135 mg/m³ (air) should be avoided.

Note: The product **veriso RED expanded glass gravel** is not subject to labeling according to the Gefahrstoffverordnung (GefStoffV, German hazardous substances regulation). However, the usual precautions should be observed.

There are no known particular hazards for people or the environment.

3. Composition/information on ingredients

■ Chemical characterization

Foaming of finely granulated container glass powder made of soda-lime-silica glass (CAS no.: 65997-17-3) with the addition of a gas-forming foaming agent through the influence of thermal energy.

■ Materials:

Main materials: Finely granulated inorganic container glass powder
CAS no.: 65997-17-3

Secondary materials: Manganese oxide
CAS no.: 1317-35-7

Water glass
CAS no.: 1344-09-8

4. First aid measures

■ General information

No preventative measures are required in the event of normal, manufacturing-compliant processing of **veriso RED expanded glass gravel**.

■ After inhalation

In the event of inhalation of concentrated dust: remove from the area immediately, breathe fresh air, clear the respiratory tract, drink plenty of water. If breathing difficulties occur, consult a doctor immediately.

■ After skin contact

In principle, no preventive measures are required in the event of normal, manufacturing-compliant processing of **veriso RED expanded glass gravel**. If dust comes into contact with the skin, brush it off when dry and then clean with soap and water.

■ After eye contact

Rinse eyes with water for several minutes with the eyelid open, consult a doctor in the event of discomfort.

■ After ingestion

Drink plenty of water, consult a doctor in the event of discomfort.

■ Delayed symptoms and effects

There are no known delayed symptoms or effects.

5. Fire fighting measures

According to the European fire classification (EC No L267/23 of Oct. 1996), **veriso RED expanded glass gravel** is classified in Euroclass A “No contribution to fire”

According to DIN 4102 Part 1, class A1 “non-flammable”

■ Extinguishing agent

veriso RED expanded glass gravel is compatible with all extinguishing agents.

■ Information about fire fighting

No material-specific special features need to be considered.
No hazardous products of decomposition (gases or vapors)

6. Accidental release measures

■ Personal precautions, protective equipment, and procedures to be followed in emergencies

No special measures required. Dust masks must be worn in the event of unintentional release in enclosed spaces or in the event of local conditions that do not guarantee sufficient ventilation.

■ Measures for environmental protection

No potential hazards, no special measures required in the event of manufacturing-compliant processing.

■ Methods and material for retention and cleaning

No special measures: collect residual dust mechanically, avoid formation of dust.

■ Additional information

Refer to disposal section 13.

7. Handling and storage

■ Protective measures for safe handling

No special measures required in the event of manufacturing-compliant storage and processing. Excess dust formation should be avoided.

■ Conditions for safe storage in consideration of incompatibilities

No special requirements for storage conditions.

■ Specific end uses

– see identified uses under point 1 –

8. Limiting and monitoring of exposure/ personal protective equipment

■ **Controlled parameters**

Dust limit values according to technical rules for hazardous substances TRGS 900 (valid in Germany)

Alveolar dust fraction (A) $\leq 1.25 \text{ mg/m}^3$ (averaged shift value)
Inhalable dust fraction (E) $\leq 10 \text{ mg/m}^3$ (averaged shift value)

If these values are exceeded, effective breathing protection must be used or other suitable measures must be taken. There are no other relevant quantities of substances.

■ **Individual protective measures/personal protective equipment**

General protection and hygiene measures must be observed. It is advisable to wear appropriate work clothing. A dust mask must be worn if the dust limit values are exceeded. This should be expected in particular in the event of processing in enclosed spaces or in the event of local conditions that do not guarantee sufficient ventilation. Suitable work gloves are advisable. Head protection and protective goggles are not required in the event of manufacturing-compliant processing.

■ **Limiting and monitoring of environmental exposure**

Not required

9. Physical and chemical properties

■ Information on the basic physical and chemical properties

Color	red-brown
Form	Porous, solid, and angular individual particle
Physical state	Solid
Odor	Odorless
Odor threshold	Not applicable
pH value	Aqueous suspension ~ 6 to 8
Freezing point	Not relevant
Melting point	>1000°C
Boiling range	Not relevant
Flash point	Not relevant, not flammable
Vaporization	Not relevant
Inflammability (solid, gaseous)	Not relevant
Upper/lower explosion limit	Not relevant
Vapor pressure	Not relevant
Vapor density	Not relevant
Bulk density	220 kg/m ³ to 250 kg/m ³
Solubility	Only soluble in hydrofluoric acid
Distribution coefficient	Not relevant
Auto-ignition temperature	Not relevant
Decomposition temperature	See melting point
Viscosity	Not relevant
Explosive properties	Not relevant
Oxidizing properties	Not relevant

■ Other information

None

10. Stability and reactivity

■ Hazardous products of decomposition

No hazardous products of decomposition.

■ Chemical stability

There is no known chemically unstable behavior.

■ Possible hazardous reactions

There are no known possible hazardous reactions.

■ Incompatible materials

There is no known incompatibility with other materials.

11. Information on toxicology

■ Information on toxicological effects

No toxic effects should be expected in the event of contact with **veriso RED expanded glass gravel**. Respirable dust exposure will not have a toxic effect on the organism. Observe points 4 and 8 in the event of dust exposure. Any irritant effects that occur are not of toxic origin, and instead will be the result of the impact of concentrated dust exposure on the organism. Consult a doctor if discomfort persists.

■ Carcinogenicity/mutagenicity/reproductive toxicity

There is no known formation of fibrous particles with **veriso RED expanded glass gravel**.

■ Aspiration hazard

Not relevant

12. Environmental information

■ Toxicity

The limit value specifications from the local waste and water authorities are authoritative. **veriso RED expanded glass gravel** is neutral from a biological and bio-construction perspective. There are no known negative ecological effects.

■ Persistence and degradability

veriso RED expanded glass gravel is inorganic, therefore it is not degradable.

■ Bioaccumulation potential

No information available

■ Mobility in the soil

Not relevant

■ Other hazardous effects

Not known

13. Information on disposal

No special measures are required. **veriso RED expanded glass gravel** must be disposed of in line with local regulations.

14. Transport information

veriso RED expanded glass gravel does not fall under the transport regulation according to the currently valid transport regulations for hazardous material.

Note: For reasons relating to quality, mixing with other materials must be avoided when loading/transporting **veriso RED expanded glass gravel** as a loose fill material.

15. Legislation

■ Regulations on safety, health, and environmental protection/ specific legislation for the product or mixture

No further relevant regulations

■ Evaluation of product safety

Not relevant, because REACH registration is not required

16. Other information

All information has been carefully researched and compiled according to the best of our knowledge.

The information is based on our current level of knowledge. However, it in no way represents an assurance of product characteristics and does not constitute any contractual legal relationship. All data, information or recommendations are intended solely for the purposes of information. The product **veriso RED expanded glass gravel** is a final product (construction product as defined by Article 2(1) CPR).

There is therefore no legal requirement to prepare a safety data sheet for the construction product **veriso RED expanded glass gravel** (Reg. 1907/2006/EC).

The manufacturer of **veriso RED expanded glass gravel** has prepared the safety data sheet for information purposes.

Knittlingen, July 1st, 2023

veriso - Competence and experience of the companies SCHLÜSSELBAUER and REILING

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