

Instructions for Safe Use

Version: April 2026

SECTION 1. Identification of the substance/mixture and of the company

1.1 Product identifier

- Product name: **Expanded clay**
- Trade name: **LECA®GEO 0-2, 1-5, 2-5, 4-8, 8-16 (rund und / oder gebrochen)**

1.2 Relevant identified uses of the product and uses advised against

- Identified uses:
 - Thermal insulation made from expanded clay lightweight aggregates produced at the place of use

1.3 Details of the supplier of the safety data sheet

Fibo ExClay Deutschland GmbH
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D-21769 Lamstedt

SECTION 2. Hazard identification

2.1 Classification of the substance or mixture

- This substance is not classified as hazardous according to EU regulations.
 - Low probability of reaching a pH value of 10 in deionized water for laboratory applications
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SECTION 3. Composition/information on ingredients

- Aluminium silicate
 - Other elements: CaO/Fe₂O₃/MgO/K₂O/Na₂O
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SECTION 4. First aid measures

- After inhalation: Breathe fresh air.
 - After skin contact: No irritation
 - After eye contact: Rinse with water
 - After ingestion: No oral toxicity is known; however, the product should not be ingested
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SECTION 5. Firefighting measures

- No special precautions or measures required. The product is not flammable
 - Use extinguishing agents appropriate to the surrounding conditions
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SECTION 6. Accidental release measures

- Environmental protection measures: not required

SECTION 7. Handling, storage, transport

- Avoid or limit dust generation when working with the product. Dust formation can be significantly reduced by appropriate moistening

SECTION 8. Exposure controls and personal protective equipment

- Personal protection: Wear respiratory protection when performing dust-generating work. Type: P2, P3 or with fresh air supply

SECTION 9. Physical and chemical properties

- Appearance: Reddish-brown aggregate
- Odour: None

Change in condition:

- Melting point/melting range: approx. 1.150 °C
- Boiling point/boiling range: Not determined
- Flash point: Not applicable
- Self-ignition: The product is not self-igniting
- Explosion hazard: The product does not present an explosion hazard
- Volatility (%): Not determined
- Density at 20 °C: 250–600 kg/m³ (dry weight), depending on fraction
- Solubility in/miscibility with water: Not miscible or poorly miscible
- pH value at 20 °C: Not applicable
- Viscosity: dynamic at 20 °C: Not determined
- Kinematic: Not determined
- Solvent separation test: Not applicable
- Additional information: None

SECTION 10. Stability and reactivity

- Conditions to avoid: none
- Materials to avoid: none
- Hazardous decomposition products: none

SECTION 11. Toxicological information

- Not toxic
- Additional toxicological information: The substance is not subject to classification according to the latest version of the EU list



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SECTION 12. Ecological information

- Persistence and degradability: Ceramic product
- Biodegradation: not biodegradable, used as a substrate in biological filters
- Physical and chemical elimination: inert, insoluble, does not decompose, easy to remove from water

SECTION 13. Disposal considerations

- Product: Can be reused or recycled
 - Can be disposed of as normal construction waste – possible EWC code: 17 01 03, 10 12 08
- Packaging: Material is supplied in bags

SECTION 14. Transport information

- Classification for land transport (ADR/RID): not classified
- Classification for inland waterway transport (AND): not classified
- Classification for air transport (IATA): not classified
- Classification for sea transport (IMDG): not classified

SECTION 15. Regulatory information

The European Regulation on the Registration, Evaluation, Authorisation and Restriction of Chemicals (EC) No. 1907/2006 (REACH), which entered into force on 1 June 2007, requires safety data sheets (SDS) only for certain substances and mixtures in accordance with Article 31. Expanded clay products are considered articles within the meaning of REACH, and therefore an SDS is not legally required. Nevertheless, Fibo ExClay Deutschland GmbH has decided to voluntarily provide its customers with relevant information to ensure the safe handling and use of expanded clay products in the form of this voluntary safe use instruction sheet.

SECTION 16. Other information: none

This information is based on our current knowledge. However, it does not constitute a guarantee of specific product properties and does not establish a legally valid contractual relationship.



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