SDS & Product Information

Expanded Glass Granules

Manufacturer

Liaver GmbH & Co. KG
Gewerbepark "Am Wald" 17
D-98693 Ilmenau
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Grain sizes

(0,1 - 0,3) mm / (0,25 - 0,5) mm / (0,5 - 1) mm / (1 - 2) mm / (2 - 4) mm / (4 - 8) mm / (8 - 16) mm

Area of application

Heat and cold insulating mineral lightweight aggregate for mortar, plaster, lightweight concrete, light loam, light screed; can be used as highly heat insulating fill material; filler in fire protection boards, levelling compounds, in construction chemistry products, special applications in the refractory, chemical, lime-sandstone, oil and gas industries, oil and gas borehole technology

Properties

- non-combustible
- low weight
- no formaldehyde emissions
- frost-resistant
- fungus- and insect-resistant

Color

grey, different shades of grey may occur due to production, do not influence the technical values and do not represent a quality defect

Packaging/Delivery

on pallets ex works Ilmenau
protect from shocks

Hazard warnings for humans and the environment

Dust exposure can occur during processing; after frequent skin contact with the dust, dehydration and cracking of the skin are possible.

Safety instructions:

P 260: Do not inhale dust.
P 284: Wear respiratory protection if ventilation is inadequate.

First aid measures

- after inhalation: unlikely, take to fresh air
- rinse with water after skin contact
- After eye contact rinse thoroughly with water and consult an eye specialist.

Fire-fighting measures

Special hazards arising from the substance/mixture: none
Material non-combustible; thermal dimensional stability up to at least 750 °C; melt > 1300 °C;
No release of flammable gases

Accidental release measures

Personal precautions: Avoid dust generation; ensure adequate ventilation or respiratory protection; danger of slipping due to leaks in the packaging/spilled material
Environmental precautions: must not be discharged into drains, floats due to low density, danger of clogging pipelines
Methods and materials for retention and cleaning: if necessary, carry out sealing measures on containers/packages to prevent trickle losses; absorb dry mechanically without generating dust (e.g. by suction).

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Handling and storage

Protective measures for safe handling: avoid dust formation

Storage: dry

For pneumatic conveying, use low pressure (0.3 bar to max. 0.5 bar)!

Exposure controls/personal protective equipment

Exposure limit values, general dust limit value
inhalable fraction: 10 mg/m3 (E-dust)
alveolar fraction: 3 mg/m3 (A-dust)

Exposure controls and monitoring

- respiratory protection — e.g. particle filtering half mask or particle filter P1-P3
- Hand protection — protective gloves CE category II
- Eye protection — protective goggles with side protection if required
- Body protection — work clothes, shoes with non-slip soles
- Special hygiene measures not required

Environmental information

Toxicity : Ames test:	The eluate of Liaver is not mutagenic.
Plant tolerance test:	The product is plant compatible.
Persistence and degradability:	non-biodegradable; product is of mineral origin.

Notes on disposal

Can be used again when taken up dry; residual materials can be deposited in landfills of landfill class I in compliance with official regulations. When deposited in landfills, the material does not release any water-soluble substances that could contaminate the groundwater. The material does not decompose into harmful products over time.

waste code number: 17 02 02

packing: disposal in accordance with official regulations

Other information

The valid occupational hygiene and legal regulations must be observed. The above information corresponds to the current state of our technical knowledge and experience. However, they are no legally binding assurance of specific properties or suitability for a specific application and the user is not exempt from his own tests.