

Foamed Glass Aggregate



FOAMED GLASS
(UK)
LIMITED



Foamglass 12



Foamglass 40



Foamglass 65

Material Safety Data Sheet (MSDS)

Version 01: 20th November 2024

1. Identification of the Substance/Preparation and Company/Undertaking

Product Name:	Foamed Glass Aggregate
Product Code:	Various - applicable to all Foamglass aggregate grades
Chemical Family:	Inorganic material (glass)
Recommended Use:	Lightweight construction aggregate, bulk fill material, insulation material, filtration and drainage material.
Supplier Details:	
Manufacturer:	Foamglass UK Limited (a subsidiary company of Thomas Armstrong Ltd)
Address:	Long Lane, Great Heck, North Yorkshire. DN14 0BT
Telephone:	+44 (0) 1977 661631
Email:	enquiries@foamed-glass.uk
Web:	www.foamed-glass.uk
Emergency Contact Number:	+44 (0) 1977 661631

2. Hazard Identification

Classification:	Not classified as hazardous or subject to the labelling obligation according to UK or EU regulations. Non-toxic, non-combustible material.
Label Elements:	
Pictograms:	None
Signal Word:	None
Hazard Statements:	None
Precautionary Statements:	P102 Keep out of reach of children. P280 Wear protective gloves/protective clothing/eye protection/face protection.
Other Hazards:	Dust from cutting or grinding can irritate the eyes, skin, and respiratory system. Prolonged inhalation of dust may cause respiratory discomfort.

3. Composition/Information on Ingredients

Substance Name:	Foamed Glass Aggregate.
Description:	Non-organic, thermally expanded glass granulate manufactured from post-consumer glass (container glass).
Chemical Composition:	
Silicon dioxide (SiO ₂)	Approximately 70-80%
Sodium oxide (Na ₂ O)	Approximately 10-15%
Calcium oxide (CaO)	Approximately 5-10%
Aluminium oxide (Al ₂ O ₃)	Approximately 1-2%
Magnesium Oxide (MgO)	Approximately 1-1.5%

4. First Aid Measures

General Advice:	If symptoms persist, seek medical attention.
Inhalation:	If inhaled, move the person to fresh air. Seek medical attention if respiratory irritation or breathing difficulty persists.
Skin Contact:	Wash skin with soap and water. If irritation develops, seek medical advice.
Eye Contact:	Immediately flush eyes with plenty of water for at least 15 minutes. Seek medical attention if irritation persists.
Ingestion:	Rinse mouth with water. Seek medical attention if discomfort occurs. DO NOT induce vomiting.

5. Fire-Fighting Measures

Suitable Extinguishing Media:	This product is non-combustible and will not burn. Use any standard fire extinguishing media suitable for surrounding materials.
Hazards from Combustion Products:	This material will not produce harmful gases or smoke when exposed to heat.
Protective Equipment for Firefighters:	Wear appropriate protective clothing and self-contained breathing apparatus (SCBA) if necessary for surrounding fire conditions.

6. Accidental Release Measures

Personal Precautions:	Wear protective gloves, goggles, and respiratory protection if dust levels are high.
Environmental Precautions:	Prevent the release of material into watercourses or drains.
Containment and Cleanup:	Sweep up or vacuum spilt material. Avoid creating dust. Dispose of in accordance with local waste disposal regulations. See section 13 for disposal measures.

7. Handling and Storage

Handling:	Avoid generation of dust wherever possible. Use in well-ventilated areas to prevent dust accumulation. Wear appropriate protective equipment when handling material to prevent eye and respiratory irritation.
Storage:	No special storage conditions required. No incompatible materials.

8. Exposure Controls/Personal Protection

Control Parameters:	
Exposure Limit (OEL) for dust:	No WEL specified. UK HSE recommends minimizing exposure to respirable dust.
Engineering Controls:	Use local exhaust ventilation or dust collection systems where applicable to control airborne dust levels.
Thermal Hazards:	None
Environmental Exposure Controls:	None
Personal Protective Equipment (PPE):	
Eye Protection:	Wear safety goggles to protect from dust and particles.
Skin Protection:	Wear gloves and protective clothing as needed to avoid skin irritation.
Respiratory Protection:	Wear RPE with appropriate protection factor if dust levels are high.

9. Physical and Chemical Properties

Appearance:	Angular, solid, porous, lightweight granules or particles.
Colour:	Typically light grey depending on the source material.
Odour:	Odourless.
pH:	Typically 10.5 at 20°C.
Melting Point:	>900°C (typically above the softening point of glass).
Density:	190 – 400 kg/m ³ depending on the grading size and the moisture content as received.
Solubility in Water:	Insoluble.
Particle Size:	Typically 0-65mm.
Flashpoint:	Non-combustible.
Explosion Limit:	Not applicable.
Vapour Pressure:	Not applicable.

10. Stability and Reactivity

Chemical Stability:	Stable under normal conditions of use and storage.
Conditions to Avoid:	None.
Incompatible Materials:	None.
Hazardous Decomposition Products:	None under normal conditions.

11. Toxicological Information

Inhalation:	Inhalation of high concentrations of dust may cause respiratory irritation, coughing, and discomfort.
Skin Contact:	Prolonged contact may cause mild irritation or dryness.
Eye Contact:	Dust may cause irritation and discomfort upon direct contact.
Ingestion:	Ingesting large quantities may cause gastrointestinal irritation or discomfort.
Chronic Toxicity:	No known chronic health effects under normal use.

12. Ecological Information

Ecotoxicity:	Not classified as hazardous to the environment.
Persistence and Degradability:	Product is stable and does not degrade in the environment.
Bioaccumulative Potential:	Product is not fat-soluble and not expected to bioaccumulate.
Mobility in Soil:	Insoluble in water; unlikely to pose a risk in the event of accidental release.

13. Disposal Considerations

Waste Disposal Methods:	Dispose of in accordance with local, regional, and national regulations. Recyclable, recycle where possible.
Contaminated Packaging:	Dispose of in a manner consistent with local waste disposal regulations.

14. Transport Information

UN Number:	Not applicable
UN Proper Shipping Name:	Not regulated
Transport Hazard Class:	Not applicable
Packing Group:	Not applicable
Environmental Hazards:	None

15. Regulatory Information

Health and Safety at Work Act (HSWA)	Not classified as hazardous according to current UK regulations.
EU Classification:	Not classified under EU directives.
REACH Status:	Not a substance subject to REACH authorization.

16. Other Information

Date of Last Revision:	20th November 2024
References:	UK HSE (Health and Safety Executive) guidelines on occupational exposure limits. Material safety information for glass products.

This Material Safety Data Sheet is provided in accordance with the UK regulations and intended for the safe handling of foamed glass aggregate. Always refer to relevant regulations and guidance for specific safety measures. The information in this safety data sheet is based on our current knowledge and experience and is given to the best of our knowledge and understanding. It only describes the safe handling, transport, and disposal of the product. The information does not describe the product's properties (technical specifications). The suitability of the product for any specific purpose cannot be deduced from the information in this safety data sheet. No changes may be made to this document. The information is not applicable to other products. If the product is mixed with other substances or modified or processed, the information in this safety data sheet cannot be applied to the new material produced. The recipient of our product is obliged to comply with the local laws in force in their operations. Contact us if you need up-to-date safety data sheets. This document is prepared electronically and does not have a signature.



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