

MATERIAL SAFETY DATA SHEET

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5. Fire-fighting measures	
Extinguishing media	Powdered glass is non-combustible and does not present an explosion hazard. Extinguish surrounding fire with appropriate extinguishing media.
Specific hazards during fire fighting	Avoid airborne dust.
Special protective equipment	Wear self-contained breathing apparatus.
6. Accidental release measures	
Personal precautions:	Avoid airborne dust creation. In the case of exposure to airborne dust concentrations exceeding regulatory limits (see section 8) wear suitable respiratory protection.
Methods for cleaning up:	If sweeping up dampen spillage with water to avoid airborne dust formation otherwise use mechanical means to prevent airborne dust formation. Transfer to a closeable, labelled container for disposal by an appropriate method.
7. Handling and Storage	
Safe Handling advice:	Observe the normal precautions when handling the product (Manual Handling Operation Regulations 1992). Avoid the generation of airborne dust (see section 8). Provide sufficient ventilation at places where airborne dust is generated.
Storage	Store in dry conditions. Prevent spillage from silos and store/handle bagged products so as to prevent accidental bursting. Keep silos and bags closed.
Empty Packaging	Remove empty packaging from work areas and dispose of in accordance with Section 13.
8. Exposure controls/Personal Protection	
Respirable Dust:	Soda lime glass
Hazardous Ingredients:	Soda lime glass
Exposure Limit Values:	Occupational exposure must be kept below both 10mg/m ³ /8 hour TWA (Time Weighted Average) total inhalable dust and 4mg/m ³ /8 hour TWA respirable dust.
Hand Protection	Rubber gloves.
Eye Protection	Safety glasses with side shields. Where material is being used for grit blasting suitably approved impact resistant eye protectors should be worn.
Skin Protection	Personal Protective clothing such as approved workplace overalls and safety shoes/boots.
Respiratory Protection	Suitable respiratory protection should be worn.

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9. Physical and chemical properties	
Appearance	Powder or Grits in various colours including clear, green, amber, brown, blue, purple.
Odour	Odourless
Softening point/range:	713oC – 727oC
Solubility in Water:	Negligible.
Density:	1.43
Hardness:	6-7 (Moh's Scale).
10. Stability and reactivity	
Stability	Stable under normal conditions. No dangerous reactions or decomposition products known.
11. Toxicological information	
Toxicity Values:	Specific data on LD50 or LC50 values has not been found. Information available indicates the material is non-toxic.
Long Term Exposure:	No known effects experienced in long term and repeated exposure.
Routes of exposure:	Refer to Section 4, First Aid Measures for routes of exposure and effects.
12. Ecological Information	
General:	No specific adverse effects are known for powdered or granular sodium silicate glass.
Mobility:	Non-volatile, insoluble in water.
Persistence/Degradability: Not biodegradable.	No information has been found to indicate the preparation is toxic to biodiversity.
13. Disposal Considerations	
Product Disposal:	The material can be landfilled in compliance with regional/national regulations. Where possible recycling is preferable to disposal.
Packaging Disposal:	Dispose of as normal industrial waste in accordance with local/national regulations.

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14. Transport Information	Not applicable as material is classified as non-hazardous.
15. Regulatory Information	
Hazard Symbol:	None. Not classified as hazardous for supply in the meaning of EU Directives.
EC Safety Phrases:	S2 – Keep out of reach of children. S24/25 – Avoid contact with skin and eyes. S26 – In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S37/39 – Wear suitable gloves and eye/face protection.
Risk Phrases:	R36/37/38 – Irritating eyes.
Water-hazard Class:	Not hazardous for water.
Compliance:	Complies with Directives:- 2001/58/EC; 91/155/EEC: 1999/45/EC: 67/548/EEC. UK Guidance Publication:- EH40 Occupational Exposure Limits
The statements made herein are based on our best present experience and are intended to describe product safety requirements. They should not therefore be considered as a warranty of specific properties.	