

G Filter

Material Safety Data Sheet



GRANULATEDGLASS

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Product: soda-lime glass granules, derived from post-consumer glass containers and float glass.

Composition: G-Filter is made up of a mixture of clear, green and amber glass. The table below gives the typical chemical composition of each glass type.

Chemical composition of glass used in G-Filter			
Material	Amber	Green	Flint
SiO ₂	71.4- 73.0%	71.5 - 73.1%	71.6- 74.3%
Na ₂ O	12.5- 15.1%	13.7 - 14.9%	13.0- 14.7%
CaO	7.6- 11.3%	10.3 - 11.0%	10.2- 11.6%
Al ₂ O ₃	1.3- 2.4%	1.6 - 2.0%	1.5- 2.3%
MgO	0.22- 2.46%	0.12% - 2.20%	0.03- 2.10%
Fe ₂ O ₃	0.42%	0.36%	0.2%
Cr ₂ O ₃	0.02%	0.24%	0.002%
K ₂ O	0.64%	0.64%	0.4%

Hazards: All products may contain fine glass particles. These are only classed as a nuisance rather than a hazard due to the fact that all the potentially harmful silica is held within the amorphous chemical structure of the glass. However, the inhalation of a significant amount of glass dust could be harmful, therefore precautions should be taken to prevent the generation and inhalation of glass dust.

Precautions: Inhalation of dust should be avoided. Respiratory protection to a minimum safety standard of BS2091 type B or equivalent is recommended. All work areas should be adequately ventilated.

First Aid: Irrigate the eyes with fresh water. If irritation persists seek medical advice. If product is ingested drink plenty of water. Do not induce vomiting. Seek medical advice.



Transportation: G-Filter is not subject to any hazardous substance conveyance regulations and vehicle labelling is not required.

Handling: G-Filter is by its very nature abrasive. For prolonged contact, the wearing of gloves is recommended.

Storage: It is recommended that G-Filter is kept dry and under cover.

Disposal: G-Filter is inert and non-combustible, but should be disposed of in accordance with local regulations.

Accidental release measures: G-Filter is inert and non-combustible and does not present any environmental risk.

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