

Material Safety Data Sheet according to 91/155/EC

Scope of application Glass powder/ glass grain/ glass beads
Revised on 24.01.2006
Supplier Sandmaster AG

1. Chemical product and company identification

Product name/ trade name
Glass powder, glass grain
of type ST, MG, B, N, HK, CS, FX
microbeads

2. Composition/ information on ingredients

Chemical composition	SiO ₂	50 – 82 %
	Al ₂ O ₃	max. 17 %
	Fe ₂ O ₃	max. 1 %
	MgO	max. 4 %
	CaO	max. 25 %
	Na ₂ O	max. 15 %
	others	max. 24 %

CAS-number	60676 (Siliciumdioxid vitreous)
EG-Number	262-373-8

3. Potential health hazards

Eyes and throat can become irritated when exposed to too high concentrations. There are no significant immediate health, physical or environmental hazards.

4. First-aid measures

Inhalation	Remove to fresh air
Skin	Wash with plenty of water
Eye	Wash with plenty of water. If irritation persists, consult physician
Advice to physician	Treat according to symptoms present

5. Fire- fighting measures

Fire resistant and not flammable.

Sandmaster AG

Mühlethalstrasse 67
4800 Zofingen
Switzerland

Phone +41 62 746 92 02

Telefax +41 62 746 92 05

info@sandmaster-technology.com

www.sandmaster-technology.com

VAT No. 109 339

6. Accidental release measures**Personal protection**

Wear recommended personal protective equipment.

Procedure for cleaning and recolection

Sweep up with a minimum of ducting. Collect in container, e.g. fibreboard drum or carton.

7. Handling and storage**Handling**

Avoid breathing dust. Avoid spillage which can cause slippery floors. Use good personal hygiene and housekeeping.

Storage recommendations

Keep bags and containers well closed. Store cool.

Storage class

10 - 13

8. Exposure control/ personal protection**Engineering controls**

Use adequate ventilation if dusty conditions prevail when handling the product. For storage and ordinary handling, general ventilation is adequate.

Exposure guidelines, dust

5 mg/m³ max. (no free SiO₂, all components are amorphous/ non-crystalline)

Respiratory protection

Use a NIOSH approved dust respirator with powdered grades if dusty conditions prevail.

Skin protection

Protective garments

Eye protection

Googles

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9. Physical and chemical properties**Appearance**

Physical state	Edged
Colour	White, green, amber
Odour	None

Safety relevant data

Melting point	min. 600 °C
Lower explosive limit	Not applicable
Upper explosive limit	Not applicable
Specific gravity	1,0 – 1,6 g/cm ³ (20 °C)
Solubility in water	Not applicable

10. Stability and reactivity

Not applicable

11. Toxicological information**Immediate (acute) effects**

Not applicable

Delayed (subchronic and chronic) effects

Not applicable

Other data

Dust in concentration above the max. recommended concentrations might cause irritation of eyes and throat.

12. Ecological information

Depending on grain size, concentration and reaction time. Glass powder can build alkaline solution until ph 11.

13. Disposal considerations

Discard as non-hazardous inorganic solid waste.

14. Transport information**Land transport GGVS/GGVE**

Not regulated

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Land transport ADR/RID

Not regulated

Identification of the Product/ Danger Number

UN No. 12 02 01 (if used)

10 11 02 (unused material)

River/ Canal transport ADN/ADNR

Not regulated

Sea transport IMDG/GGV Sea code

Not regulated

Air transport ICAO/IATA-DGR

Not regulated

15. Regulatory information**Danger symbols**

Not applicable

National regulations

Not applicable

16. Other information

Because the products treated in this safety data sheet represent no dangerous substances or preparations, the EC guidelines mentioned in the head do not apply to it but in this case serve merely the orientation. The safety data sheet was prepared to satisfy customer's desire of information. An update information service is not established as long as no changes arise by which the classification of the products is changed in the danger register. The details are based on today's stand of our knowledge and refer to the product in the delivery state. They should describe our products with regard to safety requirements. However they do not represent any assurance of product qualities and do not give reasons for any contractual facts of the case.