

Material Safety Data Sheet

Section 1 - Product and Manufacturer Identification				
1.1 Product Identity:	Borosilicate Glass 3.3			
1.2 Product Name:	VitraPOR Borosilicate Glass, Spheres, Beads, Frit, Ribbons, Discs, Rods			
1.3 Manufacturer Name:	ROBU Glasfilter-Geraete GmbH Schuetzenstrasse 13 57644 Hattert Germany			
1.4 Telephone Number:	+49 - 2662 - 800 40 Office hours are Monday - Friday from 8:00 am to 5:00 pm (CET / CEST)			
Section 2 - Hazards Information				
2.1 Emergency Overview:	None			
2.2 OSHA Regulatory Status:	None			
2.3 Potential Health Effects:	Glass and nuisance dust may cause temporary respiratory and/or eye irritation. Possible contact dermatitis. Slipping hazard can be present when spilled on floor.			
2.4 Potential Environmental Effects:	None			
Section 3 - Composition				
3.1 Information on Ingredients:	Chemical Name	CAS #	EINECS(ELINCS)	WT%
	Glass, oxide & Chemicals	65997-17-3	266-046-0	≤100%
Section 4 - First Aid Measure				
4.1 Flush irritated eye with water or commercial eyewash. If unable to remove dust or beads by this method, seek medical care. For respiratory irritation, remove victim to well-vented area. Seek medical care if this does not alleviate the condition. Thorough cleansing reduces contact dermatitis.				
Section 5 - Fire-Fighting Measures				
5.1 Not applicable; Not a fire hazard.				
Section 6 - Accidental Release Measures				
6.1 Vacuum or sweep up spilled material to prevent slipping hazards.				
Section 7 - Handling And Storage				
7.1 No special precautions are needed, but gloves reduce the chance of contact dermatitis, glasses reduce possibility of eye irritation, and a dust mask reduces the effects of nuisance dust.				
7.2 Store in ambient conditions.				
Section 8 - Exposure Controls and Personal Protection				
8.1 Exposure Guidelines:	Component	OSHA PEL	ACGIH TLV	Unit
	Nuisance dust (>5µm)	15	10	mg/m 3
	Nuisance dust (<5µm)	5	5	mg/m 3
8.2 Engineering Controls:	Adequate ventilation			
8.3 Personal Protective Equipment:	Safety glasses and Dust mask			

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Section 9 – Physical and Chemical Properties				
9.1 Borosilicate glass beads appear to be white in color, are tasteless and odorless.				
9.2 No important health, safety or environmental information is available.				
9.3 Physical Properties				
Non-soluble in water	Specific Gravity 2.23 g/cm 3	Softening Point 820 °C	Boiling Point Not applicable	Vapor Pressure Not Measurable
Section 10 - Stability and Reactivity				
10.1 Conditions to Avoid:	Not Applicable			
10.2 Materials to Avoid:	Breakdown only occurs in very strong acids and bases such as Hydrofluoric Acid and Sodium Hydroxide			
10.3 Hazardous Decomposition:	Not Applicable			
Section 11 - Toxicological Information				
11.1 Possible Routes of Exposure:	Inhalation is not likely for materials >5µm in diameter Ingestion is possible if good hygiene practices are not followed Eye Irritation Skin contact may result in contact dermatitis			
Section 12 - Ecological Information				
12.1 Not Applicable				
Section 13 - Disposal Considerations				
13.1 Glass beads can be disposed of in a standard solid-waste landfill.				
Section 14 - Transport Information				
14.1	Class 55; Item Number 87660			
14.2 Proper Shipping Name:	Glass			
Section 15 - Regulatory Information				
15.1 Not Applicable				
Section 16 - Other Information				
16.1 Disclaimer:	The information and recommendations herein are based upon data believed to be correct for material as shipped. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to this information.			