

Overview

The material is a two part 1:1 high temperature platinum addition curing system with very low (water-like) viscosity which allows for easy mixing and casting.

It is intended to mimic the appearance and fracture behaviour of glass in that it shatters and becomes shards when stressed. Of course, unlike glass, these splinters are harmless to the skin and so is ideal for creating visual effects where broken glass would be too dangerous.

Sili-Glass could also be used to replicate the appearance of ice although due to its extremely brittle nature is easy chipped/crumbled.

The material is supplied in equal quantities of part A and part B in wide necked jars for easy use. Also available as pre-cured broken shards and round clear discs (S515).

User Instructions

If coloured effects are required, it is recommended that the part A component be coloured with Intrinsic Colours prior to mixing.

Mix parts A and B together in 1:1 ratio –

ie. 500g part A + 500g part B = 1000g total

Curing

Work time = 10-15 mins (depending on ambient temperature)

Cure time (at room temperature) = 60 mins

Cure time (at 90deg C) = 5 mins

Degassing in a vacuum chamber is recommended after mixing to ensure the complete removal of air bubbles. This will lead to 'water-white' (absolutely clear) castings.

The Sili-Glass can now be easily broken/crumbled to desired particle size. If frost/ice effects are required, simply grind the Sili-Glass to a fine powder and apply to the skin using Tacky Gel (G511 or G512) or with water based adhesives (G609).



1. Identification of Substance & Company:

Product Name(s)	Principality FX Sili-Glass
Product Code(s)	S514 (liquid) & S515 (cured shards)
Medical Device Class	Class I (according to Annex IX of EC Directive 93/42/EEC)
Product Category /Classification	G5 (according to Annex IX of EC Directive 93/42/EEC)
Main Use	Simulation of glass/ice effects
Company	MBI (Wales) Ltd 5 York Park Bridgend South Wales, UK. CF31 3TB
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Document Version	2
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2. Composition / Information on ingredients:

Chemical Nature	Dispersion of fumed silica particles in platinum catalysed (ie. vinyl terminated) silicone fluid
Hazardous Components	None, according to EU Directive 1999/45/EC

3. Hazards Identification:

Critical Hazards	None, according to EU Directive 1999/45/EC
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4. First Aid Measures:

Eye Contact	May cause temporary irritation Irrigate with water for 15 mins, holding eyelid open
Skin Contact	Remove excess and wash with soap and water
Inhalation of Vapour	N/a
Ingestion	May result in gastric disturbances Seek medical advice

5. Fire Fighting Measures:

Hazards during firefighting	None
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6. Accidental Release Measures:

Personal Protection	Refer to Section 8
Environmental Precautions	None
Methods for clean-up	Collect with tissue or likewise and dispose as Section 13

7. Handling & Storage:

Handling	No special precautions necessary Observe good housekeeping practises (HSE guidance note CS17)
Storage	Store at room temperature or refrigerated

8. Exposure Controls / Personal Protection:

General Protective Measures	None deemed necessary
Components with workplace parameters	None, according to EU Directive 88/379/EC
Respiratory Protection	Not deemed necessary
Hand Protection	Not deemed necessary, gloves recommended
Eye Protection	Not deemed necessary, eye glasses recommended
Skin Protection	Not deemed necessary
Hygiene Measures	Do not eat, drink or smoke when handling product

9. Physical & Chemical Properties:

Physical Form	Viscous fluid
Colour	Clear
Odour	None
Flash Point	Not determined
Vapour pressure	N/a
Relative Density	Not determined
pH	Not determined
Viscosity	Not determined

10. Stability & Reactivity:

The product is stable under normal storage conditions (refer to Section 7)	
Incompatible materials	Presence of sulphur may interfere with proper curing reaction

11. Toxicological Information:

Long term experience of this product indicates no danger to health when used correctly

12. Ecological Information:

Degradation/elimination	Product does not degrade
Bioaccumulation	No evidence for bioaccumulation
Ecotoxic effects	This product is not classified as Dangerous to the Environment

13. Disposal Considerations:

Waste product should not be discharged directly into drains or waterways.	
Disposal of product and packaging should always comply with local and national regulations	
EU waste code number	No Waste Code Number available

14. Transport Information:

This product is not classified as Dangerous for Carriage

15. Regulatory Information:

Symbol	Not subject to labelling
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16. Other Information:

All information given in this Health & Safety Data Sheet is to the best of our knowledge true and accurate and is provided solely for making safety assessments. It is not a sales specification or an indication of suitability for a particular use nor does it replace the need for your own risk assessment. All information presented in accordance with EC Directive 2001/58/EC and is correct at date of publication and is given in good faith but without warranty. We cannot accept liability for any loss, damage or patent infringement resulting from the use of this information. As with all materials, care should be exercised when handling.