

Glass Bridger (T5100)

Material Safety Data Sheet Issue Date: 01/02/2014 Supersedes: 24/07/2007 Revision - 8



1. Identification of Preparation and of Company

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2. Composition/Information on Ingredients

These products are considered to be as a preparation in conformance to EC directives.

Product Description: Glass Bridger paste

Composition/Information on Ingredients

Number:	%W/W:	CAS Number:	Chemical Name
1	12.5 - 16.0	100 - 42- 5	Styrene
Number:	EEC number:	Symbols:	Risk Phrases
1	601 - 026 - 00 - 0	Xn	R10, R20,R36 & R38

Other Information

Balance: None hazardous ingredients

3. Hazards Identification:

Specific hazards:

Physical and chemical hazards:

Harmful (Xn) Flammable (R 10)

4. First - Aid Measures - If in doubt or where symptoms persist, seek medical attention.

Inhalation: Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped administer respiration. Give nothing by mouth. If unconscious place in recovery position. Seek medical advice.

Skin Contact: Wash thoroughly with soap and water. If symptoms persist seek medical advice.

Eye Contact: Irrigate copiously with clean, fresh water for at least 10 minutes, holding eyelids apart. Seek medical advice.

Ingestion: If accidentally swallowed. DO NOT INDUCE VOMITING. Keep at rest and seek medical advice.

5. Fire Fighting Measures

Extinguisher media suitable: Carbon Dioxide, foam and dry powder

Not suitable: Water

Protection of fire fighters: Wear individual breathing apparatus

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6. Accidental Release Measures

Personal precautions: Wear Personal Protective Equipment (PPE) e.g. gloves.

Environmental precautions: Do not discharge into sewers.

Methods of Cleaning up

Recovery Contain and collect any liquid spillage with non - combustible absorbent materials, e.g. sand, earth vermiculite or diatomaceous earth, and place in a suitable container for disposal according to local regulations.

Disposal Dispose of by using an authorized collection agent and ensure waste material is taken to an authorized disposal station.

7. Handling and Storage Handling

Prevention of worker exposure:

Ensure efficient ventilation when using this product. Eating, drinking or smoking should be prohibited in the work area. Close containers after use.

Prevention of fire and explosion Storage

Stable under normal conditions. Store in a cool, well ventilated place away from direct sunlight and all sources of ignition. Keep container away from oxidizing materials.

8. Exposure Controls/Personal Projection Occupational Exposure Limits (TLV - TWA, TLV - STEL) Product Name: Styrene

8 Hours (VME)	10 min. -Short Period (VLE):	According to: UK
ppm	ppm	
100 mg/m ³	250mg/m ³	

Personal Protective Equipment:

Respiratory Protective Equipment: Avoid the inhalation of vapors and particulate. Where reasonably practicable this should be achieved by local exhaust ventilation. In case of insufficient ventilation during application/preparation wear suitable respiratory equipment. **When sanding wear dust mask.**

Hand Protection: Wear solvent resistant gloves when handling uncured material.

Eye Protection: Wear eye protection when sanding.

Skin & Body Protection: Wear appropriate protective clothing.

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9. Physical and Chemical Properties

Appearance	Physical state:	Paste/Natural/
Risk of Fire of Explosion	Odour	Aromatic
	Boiling point range:	>145 °c
	Flash Point:	31°c
	Auto - ignition temperature:	490°c
	Explosive of flammable limits in air:	Lower: 1.1 Upper: 6.1

Vapour Pressure Relative Density (water) Solubility 6.52mb (652N/m2) at 20°c (Styrene)

Density	1.7-1.8 For Glass Bridger
In water	insoluble
In organic Solvents	soluble in aromatic solvents Soluble in aliphatic solvents
Viscosity	Approx. 1,000,000 centi-poise

10. Stability and Reactivity

Stability:	Stable under normal conditions. Heat and light.
Conditions to avoid	Heat and Light
Hazardous reactions with	Strong oxidizing agents, peroxides.

11. Toxicological Information

Acute toxicity	LD50: An oral LD50 Of 5g/kg has been reported for styrene. LC50: Values in rats ranging between 2770 - 6000ppm are reported for styrene.
Skin irritation	May cause skin irritation on prolonged contact.
Eye irritation	Irritating to eyes.
Inhalation	Harmful by inhalation.
Carcinogenicity	No evidence to suggest that Styrene is carcinogenic to humans

12. Ecological Information Persistence/degradability

COD/thOD at days	5	10	15	20
Freshwater	65	65	78	87

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Salt Water 8 12 21 80

Aquatic Toxicity

Marine Hazard Harmful to aquatic organisms. Do not discharge into drains or the environment. Dispose to an authorized waste collection station via a licensed contractor.

14. Transport Information

Sea (IMDG)

Proper shipping name: Paint related material

IMDG code: 3372

UN number: 3269

Class: 3.3

Packing group: III

Marine pollutant (p or pp): P

Land (RID/ADR):

Transport Name: Paint related material

RID/ADR class: 3.3

Trem - card number: CEFIC TEC(R) - 30G36 1263

UN number: 3269

AIR (ICAO/IATA):

Un number: 3269

Proper shipping name: Paint related material

Class: 3.3

Packing group: III

15 Regulatory Information

Product Description: Labeling according to EC directives

Polyester filler paste. Contains Styrene & chop strand



H242 - Heating may cause a fire.

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H317 - May cause an allergic skin reaction.

H319 - Causes serious eye irritation.

P101 - If medical advice is required, have product container or label at hand.

P102 - Keep out of reach of children.

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

P305/P351/P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.

P302/P352 - IF ON SKIN: wash with plenty of soap and water.

EC No: 1272/2008

16. Other Information

The main hazard likely to be encountered during refinishing operations is the production of airborne dust which should be regarded as a potential danger to health. The main hazard likely to be encountered when mixing fillers is vapour which should also be regarded as a potential risk to health. References should be made to the following HSE publications: EH40, EH42 & EH44.

This data sheet has been prepared in accordance with the requirements of EC Directives 93/112/EC and the chemical (Hazard information and packaging for supply) Regulations 1994

The information and recommendations contained herein are to the best of Melia Manufacturing Ltd knowledge and belief, accurate and reliable as of the date issued, but is offered without guarantee or warranty. They relate to the specific material designated and may not be valid for such material used in combination with other materials or in any other process. Conditions of use of the material are under the control of the user; therefore, it is the responsibility of the user to satisfy him or her as to the suitability and completeness of such information for any particular use.

Technical Data

Appearance (uncured) Natural, (cured) Light Pink.

S.G 1.25 approx. for Glass Bridger

Gel Time 25 Minutes @ 20c

Cure Time Sandable after 40 minutes @ 20c

Shelf Life Minimum of 24 months if stored in a dry place not exceeding 20c or lower than 6c

Mixing Ratio 4% hardener paste by weight of Filler

V.O.C Low VOC content <100g/L