

## ALL POLYESTER BASED FILLERS

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### 1. IDENTIFICATION OF THE SUBSTANCE AND SUPPLIER

Chemical blend	Contains unsaturated polyester resins and inert filler powders
Supplier	Bondaglass-Voss Ltd

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### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Composition	Polyester resin of which the styrene content is less than 15% of the total mix. Balance, inert filling materials.
Styrene	CAS No. 100-42-5

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### 3. HAZARDS IDENTIFICATION

Symbols XN harmful

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### 4. FIRST AID MEASURES

Skin	In all cases of doubt, seek medical attention
Eyes	Wash thoroughly with soap and water. Flush with copious amounts of water for 15 mins. Seek medical attention.
Ingestion	Do not induce vomiting. Seek medical attention
Inhalation	Remove to fresh air.

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### 5. FIRE FIGHTING MEASURES

Suitable extinguishing media	Waterspray, Foam, Powder, CO2
Special exposure hazards	Black smoke, carbon monoxide, CO2
Protective Equipment	Self contained breathing apparatus may be required

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### 6. ACCIDENTAL RELEASE MEASURES

Personal Protection	Work in well ventilated air
Environmental precaution	Do not allow in drains
Methods of Clean Up	Remove mechanically, either reuse or harden and

dispose of in accordance with Regulations

**7. HANDLING AND STORAGE**

Handling	Avoid contact with skin and eyes. Do not breathe vapours
Storage	Store in cool ventilated place, keep container closed. Keep away from sources of ignition and naked flames

**8. EXPOSURE CONTROL/PERSONAL PROTECTION**

Engineering	Ensure adequate ventilation
<b>PERSONAL PROTECTION</b>	
Respiratory	Ensure adequate ventilation
Hands	Wear gloves
Eyes	Safety glasses
Skin	Wear suitable protective clothing
Exposure Limits (MEL)	<u>CAS No</u> <u>8-hrs</u> <u>TWA</u> <u>15Min</u> <u>STEL</u>
Styrene	ppm              mg/3      ppm              mg/3
	100-42-5      100              430              250              1080

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance	Thick paste
Odour	Typical styrene
Flash Point	+ 32°C
Boiling Point	145°C (styrene)
Lower exposure limit	1.10 (styrene)
Specific gravity	1.35 – 1.80 (depending on material)
Vapour pressure	Below 10m/bar
Ignition temperature	490°C
Solubility in water	Insoluble

**10. STABILITY AND REACTIVITY**

Chemical stability	Chemically stable under correct storage conditions
Materials to avoid	Peroxides, alkalis, acids, oxidising materials
Hazardous decomposition	None when stored and handled correctly

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11. TOXICOLOGICAL INFORMATION	Information on Styrene
	No harmful effects have become known during the many years these materials have been in use, provided they are handled correctly.
Oral	LD50, Rat: more than 2000mg/kg
Eyes	May cause irritation
Respiratory	May cause irritation of the respiratory tract

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12. ECOLOGICAL INFORMATION	Do not allow into water courses or drains
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13. DISPOSAL CONSIDERATION	
Disposal	In accordance with Regulations

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14. TRANSPORT INFORMATION	
UN No.	3269
Packing group	III
Packing class	3.3
Flash point	+34°C
Declaration for shipment	Polyester Resin Kit

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15. REGULATORY INFORMATION	
Classification Symbols	Symbol XN harmful
R-PHRASES	<b>R10</b> Flammable <b>R20</b> Harmful by inhalation <b>R36/38</b> Irritating to eyes/skin
S-PHRASES	<b>S23</b> Do not breathe vapour

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16. OTHER INFORMATION	
	These materials are for use by person cognisant with the use of these materials.

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MAIN REFERENCES:

**Please note – this Material Safety Data Sheet should be read in conjunction with the technical information sheet for the product.**

The information contained in this data sheet is, to the best of our knowledge, true and accurate, but any recommendations or suggestions which may be made are without guarantee, since the conditions of use are beyond our control.