

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product name: **SVENIC STRUCTURAL EPOXY (A)**
 Other name: None allocated
 Product code: ESFS
 Recommended use: Part A of a two component, thixotropic epoxy adhesive.

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2. HAZARDS IDENTIFICATION

Hazard classification: Hazardous according to criteria of NOHSC
 Risk phrase(s): R 36/38 - Irritating to eyes and skin
 R 43 - May cause sensitisation by skin contact.
 Safety phrase(s): S 28 - After contact with skin, wash immediately with plenty of soap and water.
 S 37/39 - Wear suitable protective clothing, gloves and eye/face protection.
 S 51 - Use only in well ventilated areas.

3. COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENTS

Chemical Name	CAS Number	Proportion
Bisphenol-A epoxy resin	25068-38-6	> 60%
Alkyl glycidyl ether	68609-97-2	< 10%
Silicon dioxide	112945-52-5	< 10%
Quartz filler blend	14808-60-7	10 - < 30%
Non-hazardous ingredients		to 100%

4. FIRST AID MEASURES

Ingestion: Do NOT induce vomiting. Wash mouth with water and seek medical attention.
 Eyes: While holding eyes open, gently flood with plenty of fresh water for 15 minutes. If irritation persists or recurs seek medical attention. Skilled personnel should only undertake removal of contact lenses after an eye injury.
 Skin: Flush contacted area thoroughly with soap and plenty of water. Seek medical attention in event of irritation.
 Inhalation: Remove to fresh air. If breathing is difficult give oxygen.
 First aid facilities: Ensure availability of clean water for eye/skin wash.
 Advice to doctor: Treat symptomatically

MATERIAL SAFETY DATA SHEET

5. FIRE FIGHTING MEASURES

Suitable extinguishing media:	Foam, CO ₂ and Dry Chemical
Hazards from combustion products:	Oxides of carbon and other possibly toxic fumes from fire.
Precautions and equipment for fire fighters:	Full protective clothing as per personal protection in section 8.
Hazchem code:	None allocated

6. ACCIDENTAL RELEASE MEASURES

Methods for clean up / collecting:	Small or major spills should be swept or shovelled into appropriately labeled drums for disposal.
Environmental precautions:	Do not discharge into sewers or waterways.

7. HANDLING AND STORAGE

Conditions for safe storage

Location:	Store in a cool, dry area.
Temperature conditions:	5 to 35°C.
Protection from weather:	Store undercover and away from frost and moisture.
Storage incompatibilities:	Strong oxidising agents, acids and alkalis.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure standards:	Not available
Engineering controls:	Ventilation is recommended under normal use conditions. Stated regulations on speed and direction of airflow away from operators must be observed. Keep containers closed when not in use.

Personal protective equipment

Respiratory protection:	Type A1 if ventilation is inadequate
Glove type (AS2161):	Long PVC or nitrile rubber gauntlets
Eye protection:	Chemical worker's goggles
Clothing:	Overalls.

Other:	Use barrier creams to protect skin from contact with the material. Always wash hands before smoking, eating, drinking or using the toilet and after finishing work. Observe the usual precautions when handling chemicals.
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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	White to off white, thick paste with a mild odour.
Boiling point (°C):	> 200
Melting point (°C):	Not available
Vapour pressure:	< 0.01
Specific gravity:	ca. 1.3
Flash point (°C):	> 100

MATERIAL SAFETY DATA SHEET

Flammability limits (%):	UEL – not applicable LEL – not applicable
Solubility in water:	Insoluble
pH (1:1 water mixture):	> 7

10. STABILITY AND REACTIVITY

Hazard of use/storage:	Stable under normal storage and application temperature.
Materials to avoid:	Keep away from oxidising agents, acids and alkalis.
Hazardous decomposition products:	Oxides of carbon and other possibly toxic fumes from fire.

11. TOXICOLOGICAL INFORMATION

Acute

Ingestion:	Only very slightly toxic. [Oral, rat LD ₅₀ > 5000mg/kg]
Eye:	May cause eye irritation and redness. Also may be capable of causing corneal scarring.
Skin:	Mild skin irritation and redness from prolonged contact.
Inhalation:	May cause irritation to nose and mucous membrane.

Chronic:

Susceptible individuals may develop allergic reactions such as dermatitis or asthma like symptoms on a single significant skin exposure or may become sensitised to the material on repeated contact. Hence it is imperative that all forms of exposure be kept to an absolute minimum.

12. ECOLOGICAL INFORMATION

Ecology:	Do not discharge into sewers or waterways.
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13. DISPOSAL CONSIDERATIONS

Disposal Methods

State/Territory authority:	Observe all Federal, State and Local regulations.
Dispose – Secure landfill:	Yes.
Dispose – High temp incinerator:	Yes.
Precautions for clean up crew:	Full protective clothing as per personal protection in section 8.

14. TRANSPORT INFORMATION

UN number:	None allocated
Dangerous goods class:	None allocated
Subsidiary risk:	None allocated
EPG card:	None allocated
Shipping name:	None allocated
Packing group:	None allocated
Poisons schedule:	5
Hazchem code:	None allocated

MATERIAL SAFETY DATA SHEET

15. REGULATORY INFORMATION

Risk phrase(s):	R 36/38 - Irritating to eyes and skin
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16. OTHER INFORMATION

Reason for Issue: New format based on National Code of Practice for the preparation of MSDS – 2nd edition [NOHSC:2011(2003)].

This MSDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this MSDS and consider the information in the context of how the product will be handled and used in the workplace including in conjunction with other products. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company. Our responsibility for products sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available on request. All information contained in this MSDS is as accurate and up-to-date as possible. No warranty expressed or implied is made as to its accuracy, reliability or completeness.