

SAFETY DATA SHEETS (SDS)

Enviro Epoxy SL Part C



Hazard Identifiers

Version:1

Issued by: Envirosystems Technologies

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SECTION 1 – IDENTIFICATION OF MATERIAL & SUPPLIER

- 1.1 Product Name:** Enviro Epoxy SL Part C
Manufacturer's Product Code: N/A
- 1.2 Recommended Use:** Part of a 3/4 component self levelling epoxy surface coating
- 1.3 Company:** Envirosystems Technologies Pty Ltd
Address: 295 Princes Highway St Peters, NSW 2044.
Website: www.envirosystems.com.au
Telephone: +61 2 85958699 (business hours)
Fax: +61 2 85958660
- 1.4 Emergency Telephone:** Info Safe – 1800 638 556, Poisons Centre – 131126
- Other Information:** All information in this SDS is to the best of our knowledge at time of publication. Users of this product should fully review this SDS prior to use to ensure best safety practices. Further information and or clarification can be obtained by contacting our technical department on the above telephone number.

SECTION 2 – HAZARDS IDENTIFICATION

- 2.1 Hazard Classification:** Classified as **Hazardous** according to WHS Regulations, Australian GHS criteria and a **Non-Dangerous Goods** according to the Australian Dangerous Goods Code.

Class	Category
Specific Target Organ Systemic Toxicity (Repeated Exposure):	2

- 2.2 Label Elements**



Signal word

Warning

H-code	Hazard Statements
H373	May cause damage to organs through prolonged or repeated exposure
P-Code	Precautionary Statement - Prevention
P260	Do not breathe dust
P-Code	Precautionary Statement - Response
P314	Get medical advice/attention if you feel unwell.
P-Code	Precautionary Statement - Storage
	None
P-Code	Precautionary Statement - Disposal
P501	Dispose of contents/container in accordance with

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	relevant regulations.
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2.3 Other Hazards

This dust of this product is hazardous.

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

See section below for Mixtures

3.2 Mixtures

CAS No.	Material	Content %
14808-60-7	QUARTZ (CRYSTALLINE SILICA)	30-60%
	Components that do not meet GHS disclosure requirements (deemed non-hazardous)	balance

SECTION 4 – FIRST AID MEASURES

4.1 Description of first aid measures

General Advice:

Do not breathe in dust when applying first aid.

Ingestion:

Seek medical advice, ingestion is considered unlikely.

Inhalation:

If inhaled, remove from contaminated area. Apply artificial respiration if not breathing.

Eye Contact:

While holding eyes open, gently flood with plenty of fresh water for 15 minutes. Washing within one minute is essential to achieve maximum effectiveness. If pain persists or recurs also seek medical attention. Skilled personnel should only undertake removal of contact lenses after an eye injury.

Skin Contact:

Flush contacted area thoroughly with soap and plenty of water. Seek medical attention in event of irritation. Remove contaminated clothing including footwear.

4.2 Most important symptoms and effects, both acute and delayed

Chronic exposure to crystalline silica may result in lung fibrosis (silicosis). Principal symptoms of silicosis are coughing and breathlessness. Crystalline silica is classified as carcinogenic to humans (IARC Group 1). Any other relevant information can be found in other parts of this section and in sections 2 and 11.

4.3 Advice for doctor

Treat symptomatically.

SECTION 5 – FIRE FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media:

Use media suitable to surrounding source of fire.

Unsuitable extinguishing media that may not be used for safety reasons:

None.

5.2 Special hazards arising from the substance or mixture

No flammable but may evolve toxic gases if strongly heated.

5.3 Advice for firefighters

Wear full body protective clothing with breathing apparatus.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

- 6.1 **Personal precautions, protective equipment and emergency procedures** Secure the area. Wear personal protection equipment (see section 8). Keep unprotected persons away. Avoid contact with eyes and skin. If material is released indicate risk of slipping. Do not walk through spilled material.
- 6.2 **Environmental precautions** Do not discharge into sewers or waterways.
- 6.3 **Methods and material for containment and cleaning up** Contain spillage, then collect and place in suitable containers for disposal. Avoid generating dust.
- 6.4 **Reference to other sections** Relevant information in other sections has to be considered. This applies in particular for information given on personal protective equipment (section 8) and on disposal (section 13).

SECTION 7 – HANDLING & STORAGE

- 7.1 **Precautions for safe handling** Ensure thorough ventilation of stores and work areas. Handle in accordance with good industrial hygiene and safety practice. When using do not eat, drink or smoke. Hands and/or face should be washed before breaks and at the end of the shift. Use of safe work practices are recommended to avoid eye or skin contact and inhalation.
- 7.2 **Conditions for safe storage** **Storage Requirements:**
Store in a cool, dry place.
Temperature Conditions:
Up to 40° C and out of direct sunlight.
Protection from weather:
Store undercover and away from moisture.
- 7.3 **Specific end use(s)** Part of a 3/4 component self levelling epoxy surface coating
- 7.4 **Regulations and standards (Australia):** Classified as Non-Hazardous Liquid which should be stored and handled in accordance with regulations

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1 **Control parameters** Exposure limits safe work Australia

Ingredient	STEL	TWA
Quartz (respirable dust)		0.1mg/m3

 Emergency Limits:

Ingredient	TEEL-1	TEEL-2	TEEL-3
None known			
- 8.2 **Exposure controls** **General protection and hygiene measures:**
General ventilation should be sufficient for most operations. Local exhaust ventilation may be necessary for some operations. Do not eat, drink or smoke when handling. Maintain dust levels below the recommended exposure standard.
Personal protection equipment:
Respiratory protection
Where an inhalation risk exists wear a Class P1 (Particulate) respirator, dependent

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on a site specific risk assessment.

Eye protection

Chemical goggles. Full face respiratory may be required if exposure causes discomfort.

Hand protection

When handling wear chemical resistant gloves. PVC, neoprene or nitrile glove.

Skin protection

Overalls clothing.

Other Information

Always wash hands before smoking, eating, drinking or using the toilet and after finishing work. Observe the usual precautions when handling chemicals.

8.3 Further information for system design and engineering measures

Ventilation is recommended under normal use conditions. State regulations on speed and direction of airflow away from operators must be observed. Keep containers closed when not in use.

SECTION 9 – PHYSICAL & CHEMICAL PROPERTIES

9.1	Odour:	None
	Odour Threshold	Not determined
	Colour:	Yellowish
	Physical State:	Solid powder
	Flash Point:	Not relevant
	Autoignition Temperature:	Not determined
	Boiling Point:	>1200°C
	Melting Point:	Not determined
	Specific Gravity:	≈2
	pH:	Not determined
	Solubility in Water (g/L):	<2
	Flammability:	Not flammable
	Lower Limit:	Not determined
	Higher Limit:	Not determined
	Vapour Pressure:	Not determined
	Vapour Density (Air = 1)	Not determined
9.2	Other information	None available

SECTION 10 – STABILITY AND REACTIVITY

10.1	Reactivity; Chemical stability;	Stable when stored and used as directed.
-3	Possibility of hazardous reactions	
10.4	Conditions to avoid	None known
10.5	Incompatible materials	Incompatible with strong acids (e.g. hydrofluoric acid).
10.6	Hazardous decomposition products	This material will not decompose to form hazardous products.

SECTION 11 – TOXICOLOGICAL INFORMATION

Acute Toxicity/Effects

Enviro Epoxy SL Part C: estimate based on ingredients

Acute toxicity

Expected to be of low toxicity

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Skin corrosion/irritation

Over exposure may result in mild irritation, rash and dermatitis.

Serious eye damage/eye irritation

If dust formed over exposure may result in mild irritation, lacrimation. and redness

Sensitization

This product is not known to be a skin or respiratory sensitiser.

Aspiration hazard

This material has been classified as non-hazardous.

Chronic Toxicity/Effects

Enviro Epoxy SL Part C: estimate based on ingredients

Specific target organ systematic toxicity (single exposure)

Not classified as causing organ effects from single exposure.

Specific target organ systematic toxicity (repeated exposure)

Repeated exposure to respirable silica may result in pulmonary fibrosis (silicosis). Silicosis is a fibronodular lung disease caused deposition in the lungs of fine respirable particles of crystalline silica. Principal symptoms of silicosis are coughing and breathlessness.

Genetic toxicity

Insufficient data available.

Carcinogenicity

Crystalline silica is classified as carcinogenic to humans (IARC Group 1). However, there is sufficient information to conclude that the relative risk of lung cancer I increased in persons with silicosis. Therefore, preventing the onset of silicosis will also reduce the cancer risk.

Reproductive toxicity

No data available.

Teratogenicity

No data available.

Long Term Effects:

No Additional Information.

SECTION 12 – ECOLOGICAL INFORMATION

12.1 Toxicity

Enviro Epoxy SL Part C: estimate based on ingredients

The main component of this product is not anticipated to cause any adverse effects to the environment.

12.2 Persistence and degradability

Product is persistent and non-degradable.

12.3 Bioaccumulative potential

This product is not expected to bioaccumulate.

12.4 Mobility in soil

A low mobility would be expected in a landfill situation.

12.5 Additional Information

Do NOT discharge into sewer or waterways.

SECTION 13 – DISPOSAL CONSIDERATIONS

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13.1 Waste treatment methods

Material Recommendation:

Material that cannot be used, reprocessed or recycled should be disposed of in accordance with Federal, State, and local regulations at an approved facility. Depending on the regulations, waste treatment methods may include, e.g., landfill or incineration.

Uncleaned packaging Recommendation:

Completely discharge containers (no tear drops, no powder rest, scraped carefully). Containers may be recycled or re-used. Observe local/state/federal regulations. Uncleaned packaging should be treated with the same precautions as the material.

SECTION 14 – TRANSPORT INFORMATION

Transport Information

Not classified as a **Non-Dangerous Good** according to the Australian Code for the Transportation of Dangerous Goods by Road and Rail.

U.N. Number: N/A

DG Class: N/A

EPG card: N/A

Hazchem Code: N/A

Proper Shipping Name: N/A.

Packing Group: N/A

Classification for SEA transport (IMO-IMDG)

U.N. Number: N/A

DG Class: N/A

Proper Shipping Name: N/A.

Packing Group: N/A

Marine Pollutant: No

Classification for AIR transport (IATA/ICAO)

U.N. Number: N/A

DG Class: N/A

Proper Shipping Name: N/A

Packing Group: N/A

Label

None

SECTION 15 – REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

National and local regulations must be observed. For information on labeling please refer to section 2 of this document.

Poisons Schedule Number: N/A

Australian Inventory:

Listed

Controlled Schedule

Not listed substances

Carcinogenic Substances:

SECTION 16 – OTHER INFORMATION

Safety Data Sheets are updated regularly. Please ensure you have a current copy. SDS can be obtained from our website: www.envirosystems.com.au

The SDS should be used to assist in the Risk Management. Many other factors determine whether the reported Hazards are risks in any given workplace.

Specific Risks may be determined by reference to various Exposure Scenarios, Scale of use, Frequency of use and current or available engineering controls must be considered.

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Emergency Telephone: Info Safe – 1800 638 556, Poisons Centre – 13112