SAFETY DATA SHEETS (SDS)
Enviro CSH

Version:4

Issued by: Envirosystems

Date of Issue: August 2025

Hazard Identifiers

SECTION 1 – IDENTIFICATION OF MATERIAL & SUPPLIER

1.1 **Product Name:** Enviro CSH
Manufacturer's Product Code: N/A
1.2 **Recommended Use:** Concrete densifier
1.3 **Company:** Envirosystems
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:** 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
Skin Corrosion/Irritation	2
Serious eye damage/eye irritation	2

2.2 **Label Elements**

Signal word **Warning**

H-code	Hazard Statements
H315	Causes skin irritation
H319	Causes serious eye irritation.
P-Code	**Precautionary Statement - Prevention**
P261	Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
P280	Wear protective gloves/ protective clothing/ eye protection/ face protection.
P-Code	**Precautionary Statement - Response**
P333, P313	If skin irritation or rash occurs: Get medical advice /

	attention.
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.
P-Code	**Precautionary Statement - Storage**
P405	Store locked up
P-Code	**Precautionary Statement - Disposal**
	None

2.3 Other Hazards

Contains trace amounts of Tetrahydro-1,3,4,6-tetrakis(hydroxymethyl)imidazo[4,5-d]imidazole-2,5(1H,3H)-dione which may cause an allergic skin reaction.

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

See section below for Mixtures

3.2 Mixtures

CAS No.	Material	Content %
10102-24-6	Li2SiO3	10-30%
5395-50-6	Tetrahydro-1,3,4,6-tetrakis(hydroxymethyl)imidazo[4,5-d]imidazole-2,5(1H,3H)-dione	<0.1%
Non-hazardous ingredients or those not affecting classification to 100%		

SECTION 4 – FIRST AID MEASURES

4.1 Description of first aid measures

General Advice:
Immediately remove contaminated clothing. If in danger of loss of consciousness, place patient in recovery position and transport accordingly. Apply artificial reparation if necessary. First aid personal should pay attention to the own safety.
Ingestion:
If swallowed, do not induce vomiting. Rinse mouth with water and give water to drink as much as comfortable able too. Seek medical advice. Do not induce vomiting.
Inhalation:
Not usually a risk. However If inhaled, immediately remove the affected person to fresh air. If breathing is difficult, administer oxygen. If breathing has stopped, administer artificial respiration. Call a physician if symptoms are severe or persist.
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

Any 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**	Not flammable but after water has evaporated, finely divided dry powders and dust at sufficient concentrations can form explosive mixtures with air. Prevent static discharge. Moisture may cause hydrogen to evolve.
5.3	**Advice for firefighters**	Wear full body protective clothing with breathing apparatus. Reduce spillage from entering drains or water course. Closed containers may rupture due to pressure buildup under fire conditions.

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 and soil.
6.3	**Methods and material for containment and cleaning up**	Small or major spills should be absorbed with dry, inert filler (soil or sand) which then can be shoveled into appropriately labeled drums for disposal. Disposal of this material should be undertaken by a registered chemical disposal company. Wash area with excess water. If material is dry, avoid breathing dust. Sweep or collect with vacuum equipment approved for use in hazardous locations.
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.
7.2	**Conditions for safe storage**	**Storage Requirements:** Store in a cool, dry and well-ventilated place. **Temperature Conditions:** Up to 40º C and out of direct sunlight. **Protection from weather:** Store undercover and away from frost and moisture
7.3	**Specific end use(s)**	Concrete densifier
7.4	**Regulations and standards (Australia):**	Classified as Non-Dangerous 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
None known		

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. Wash hands at the end of work and before eating. Keep working clothes separately. Remove contaminated, soaked clothing immediately. Clean work areas regularly.

Personal protection equipment:

Respiratory protection
No generally required, however in the event of sanding respiratory protection must be worn.

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. Use of impervious apron and boots are recommended.

Other Information
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.

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:	Not determined
Odour Threshold	Not determined
Colour:	Transparent
Physical State:	Liquid
Flash Point:	Not determined
Autoignition Temperature:	Not determined
Boiling Point:	100°C
Melting Point:	Not determined
Specific Gravity:	1.15-1.25
pH:	10-12
Solubility in Water (g/L):	Soluble
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 -3	**Reactivity; Chemical stability; Possibility of hazardous reactions**	Stable when stored and used as directed. Protect from frost.
10.4	**Conditions to avoid**	Strong oxidizing agents
10.5	**Incompatible materials**	Strong acids, bases and oxidizing agents
10.6	**Hazardous decomposition products**	Oxides of carbon and other possibly toxic fumes from fire once water has evaporated

SECTION 11 – TOXICOLOGICAL INFORMATION

Acute Toxicity/Effects

Estimate based on ingredients
Acute toxicity
amorphous silica fume Oral rat LD50: 3160 mg/kg
amorphous silica fume Intraperitoneal -rat LDLo: 50 mg/kg
amorphous silica fume intravenous -rat LD50: 15 mg/kg
amorphous silica fume intratracheal -rat LDLo: 10 mg/kg

Acute dermal toxicity
Non toxic

Acute inhalation toxicity
No data available.

Skin corrosion/irritation
Causes skin irritation

Serious eye damage/eye irritation
Causes serious eye irritation.

Sensitization
Contains a known skin sensitizer at trace levels.

Aspiration hazard
This material has been classified as non-hazardous.

Chronic Toxicity/Effects

Estimate based on ingredients
Specific target organ systematic toxicity (single exposure)
No data available.

Specific target organ systematic toxicity (repeated exposure)
No data available.

Genetic toxicity
This material has been classified as non-hazardous.

Carcinogenicity
No data available.

Reproductive toxicity

No data available.

Teratogenicity
No data available.

Long Term Effects: No data available.

SECTION 12 – ECOLOGICAL INFORMATION

Toxicity

Estimate based on ingredients
No Data Available
The product is not expected to be hazardous to the environment.

Persistence and degradability The degradability of the product has not been stated.

Bioaccumulative potential No Data Available

Mobility in soil This product is water soluble and may spread in water systems.

Additional Information Do NOT discharge into sewer or waterways.

SECTION 13 – DISPOSAL CONSIDERATIONS

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

U.N. Number:	N/A

transport (IATA/ICAO)		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.

Emergency Telephone: Poisons Centre – 13112