

SAFETY DATA SHEET

Non-Hazardous Substance, NON-Dangerous Goods


Section 1: Identification

Product Identifier	Lithium Concrete Densifier Trade name: Eco Densi Shield - Lithium
Recommended Use	High performance Lithium Concrete Densifier to densify the surface of concrete to provide for increased permeability resistance and penetration of stains and water.
Details of supplier of the SDS	<p>Manufacturer Ecoshield Performance Coatings Pty Ltd 66 O'Sullivan Beach Road Lonsdale 5160 South Australia</p> <p>Contact Person Joe Haif, Managing Director</p> <p>Emergency chemical advice 0414 793 237 (TAMSA International Consulting)</p> <p>Email info@ecoshield.com.au or for SDS tamsaconsult@hotmail.com</p>

Section 2: Hazard Identification

All chemicals are safe if handled correctly, when one take precautions for the hazard potential. The following must be read and understood by product users.

Contact Ecoshield or TAMSA for any clarification

2.1 Classification of the substance or mixture	Classified as non-hazardous and not dangerous goods according to the criteria of GHS, NOHSC and ADG Code	
2.2 Signal Word	Warning	
2.3 Poison Schedule	Not allocated	
2.4 Hazard Statements		
H315		Causes skin irritation
H317		May cause allergic skin reaction
H319		Causes serious eye irritation

Precautionary Statement - Prevention

P102	Keep out of reach of children
P103	Read label before use
P104+P202	Read Safety Data Sheet before use
P264	Wash arms, hand and face after handling
P273	Avoid release into the environment
P280	Wear gloves and eye protection

Precautionary Statement - Response

P101	If medical advice is needed, have product container or label at hand
P302+P352	If on skin wash with plenty of water
P305+P351+P338	If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, continue rinsing.
P310	If ingested or swallowed call a Poisons Centre for advice
P332+P313	If skin irritation occurs: Get medical attention
P362	Take off contaminated clothing and wash before use

Storage Precautionary Statement

P405	Keep locked up
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Disposal Precautionary Statement

P501	Dispose of contents in accordance with local/national regulations
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Section 3: Composition of Substance or Mixture

Chemical Name	CAS Number	Percentage
Lithium Silicate	12627-14-4	Less than 40%
Proprietary ingredients	-	Less than 20%
Water	-	Balance to 100%

Section 4: First Aid Measures

4.1 General First Aid Information

Eye Contact

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. May cause irritation, redness, pain and tearing. Seek medical attention.

Inhalation

Not considered a hazard

Skin Contact

If on skin: wash immediately with plenty of soap and water. May cause redness irritation and burns. If irritation and pain continue seek medical advice.

Ingestion

Immediately rinse mouth with water. Give water to drink. Do not induce vomiting without medical advice, Call a doctor if necessary.

Advice to Doctor

Treat symptomatically. Contact **Poisons Information Centre Australia 131 126**

4.2 Symptoms Caused by Exposure

Warning, Chronic Dermatitis may develop from repeated skin exposures.

Section 5: Fire-Fighting Measures

Not flammable but if involved in a fire use CO2 or dry chemical extinguishers.

There is no explosion risk.

Section 6: Accidental Release Measures

6.1 Personal Precautions, Protective Equipment (PPE) and Emergency Procedures

Wear protective gloves and eye protection.

6.2 Clean-up and Containment Methods

Minor hazard. Collect liquid with absorbent or sand. Place in sealed bin. Dispose of waste in accordance with local and state regulations. Generally suitable for land fill if absorbed spillage is in sealed containers.

Section 7: Handling and Storage

7.1 Precautions for Safe Handling and Storage

Maintain high standards of hygiene. As with all chemicals wash hands after use. Avoid contact with eyes, skin and mouth. Do not eat drink or smoke when handling this product.

Section 8: Exposure Controls / Personal Protection

8.1 Occupational Exposure Limit Values.

No exposure standards have been established for this material by SafeWork Australia. However, with all chemicals, exposure should be kept to the lowest possible levels.

Engineering Controls:	No specific controls are needed. Normal room or worksite ventilation is adequate.
Respiratory Protection:	Normal room ventilation is adequate.
Skin Protection:	Wear protective chemical resistant gloves.
Eye Protection:	Wear safety glasses or goggles.

8.2 Personal Protective Equipment

Wear protective gloves and safety glasses or goggles for eye protection. Normal room ventilation is adequate.

Section 9: Physical and Chemical Properties

Appearance	Transparent Liquid
Odour	Odourless
Odour Threshold	Not applicable
pH	Approximately 7.0
Initial Boiling Point	Commences 100°C
Flash Point	Not applicable
Flammability	Not flammable
Explosive Limits	Not applicable
Vapour Pressure	Data not available
Specific Gravity	0.97
Viscosity	Viscous liquid
Solubility in Water	100% soluble
Explosive Properties	Not applicable
Oxidising Properties	Data not available
Auto Ignition Temperature	Not applicable
Decomposition Temperature	Will not decompose

Section 10: Stability and Reactivity

- 10.1 Reactivity and Chemical Stability**
Stable under normal conditions of use.
- 10.2 Possibility of Hazardous Reaction**
Hazardous polymerization will not occur.
- 10.3 Conditions to Avoid**
Stable under normal conditions.
- 10.4 Hazardous decomposition Products**
Not applicable.

Section 11: Toxicological Information

Acute Toxicity – Oral Exposure

Ingestion may irritate the gastric tract causing vomiting and nausea. LD50 rate greater than 3,000 mg/kg.

Acute Toxicity – Dermal Exposure

Not considered to have any negative effects

Acute Toxicity – Inhalation Exposure

Not applicable. Not expected to be a respiratory sensitizer.

Acute Toxicity – Other Information

No data available on the product itself.

Skin Corrosion and Irritation

Not thought to produce any negative effects on the skin

Serious Eye Damage and Irritation

Not thought to produce any negative effects on the eyes. However, eye protection should be worn when handling any chemicals.

Cell Mutagenicity

Not considered mutagenic.

Carcinogenicity

Not considered to be carcinogenic.

Reproductive Toxicity

Not applicable.

Target Organ Toxicity from Single Exposure

No data available.

Target Organ Toxicity from Repeated Exposure

Not data available.

Aspiration hazard

No data available.

Additional Toxicity Information

Data not available

Section 12: Ecological Information

- 12.1 Ecotoxicity**
Not classified as toxic to aquatic life. Dispose of contents in accordance with local, state and federal regulations.
- 12.2 Persistence and Degradability**
Data not available.
- 12.3 Bioaccumulative Potential**
Data not available.
- 12.4 Mobility in Soil**
Data not available
- 12.5 Other adverse Ecological Effects**
Data not available

Section 13: Disposal Considerations

- 13.1 Waste Treatment Methods**
Do not allow into drains or watercourses. Wastes are not controlled wastes but should be disposed of in accordance with any applicable regulations. Spillages and small amounts can be absorbed into sand or other medium and disposed of as solid waste.

Section 14: Transportation Information

- 14.1 UN Number**
None
- 14.2 Proper Shipping Name or Technical Name**
Water-based liquid
- 14.3 Transport Hazard DG Class**
None
- 14.4 Packing Group**
Not required
- 14.5 Special Provisions**
No data available
- 14.6 Label**
Warning
- 14.7 Hazchem code**
None
- 14.8 EPG Number**
None

Section 15: Regulatory Information

- 15.1 General Information**
No data available
- 15.2 Poisons Schedule**
Not allocated
- 15.3 National / Regional Inventories**
AICS listed

Section 16: Other Information

- 16.1 Revision and Date of SDS**
Issue number 1, dated 11 June 2019
- 16.2 SDS Prepared by:**
P. Holgate MRACI, Ch Chem, FATFA
TAMSA International Consulting
Contact tamsaconsult@hotmail.com
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Important note:

All information contained in this SDS is considered by TAMSA International Consulting to be correct at the time of publication. All materials present hazards known and unknown. Caution in use of any product is recommended. This SDS is prepared for Ecoshield Performance Coatings Pty Ltd and is provided for customer and public use in good faith believing it to be accurate and representative. Final determination of suitability for use is the responsibility of the product user

**EMERGENCY SDS CONTACT POINT:
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