

SAFETY DATA SHEET

Non-Hazardous Substance, Non-Dangerous Goods

Section 1: Identification

Product Identifier	Hybridised complex Lithium Concrete Densifier balanced formulation Trade name: 2K Super Seal – Part A
Recommended Use	As a 1:1 blend to form 2K Super Seal with Part A High Performance complex Lithium Concrete Densifier to densify the surface of concrete to provide for increased permeability and penetration resistance of stains and water blended with the proprietary speciality hybridized Siloxane Part B to form an internally ionic bonded concrete bonded protective barrier.
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>24/7 Emergency 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 takes 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 Poison Schedule	Not allocated
2.3 Hazard Statements	<p>H315 Causes skin irritation H317 May cause allergic skin reaction H319 Causes serious eye irritation</p>

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 on 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 of contaminated clothing and wash before use
P501	Dispose of contents in accordance with local and state regulations

Storage Precautionary Statement

P405	Keep locked up
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Disposal Precautionary Statement

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

Chemical Name	CAS Number	Percentage
Hybridized complex Lithium Silicate	Trade Secret	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. **Positions 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**

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 and eye protection.

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	Data not applicable
pH	Approximately 7
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
Solubility in Water	100% soluble
Explosive Properties	Not applicable
Oxidising Properties	Data not available
Auto Ignition Temperature	Not applicable
Decomposition Temperature	Will not decompose
Viscosity	Viscous liquid

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
No 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

No 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**
No specific requirements
- 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**
Date of SDS - Issue number 1, dated 29 September 2019
- 16.2 SDS Prepared by:**
P. Holgate MRACI, Ch Chem, FATFA
TAMSA International Consulting
Contact tamsaconsult@hotmail.com
24/7 mobile 0414 793 237

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:
TAMSA International Consulting**

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Email for SDS Enquiries: tamsaconsult@hotmail.com

SAFETY DATA SHEET

Non-Hazardous Substance, Non-Dangerous Goods

Section 1: Identification

Product Identifier	Co-component for 2 part Concrete surface enhancement system to ensure internal ionic bonding within concrete. Trade name: 2K Super Seal - Part B
Recommended Use	As a 1:1 blend to form 2K Super Seal with Part A High Performance complex Lithium Concrete Densifier to densify the surface of concrete to provide for increased permeability and penetration resistance of stains and water blended with the proprietary specialty hybridized Siloxane Part B to form an internally ionic bonded concrete protective barrier.
Details of supplier of the SDS	Manufacturer Ecoshield Performance Coatings Pty Ltd 66 O'Sullivan Beach Road Lonsdale 5160 South Australia Contact Person Joe Haif, Managing Director 24/7 Emergency 0414 793 237 (TAMSA International Consulting) Email info@ecoshield.com.au or for SDS tamsaconsult@hotmail.com

Section 2: Hazard Identification

2.1 Classification of the substance or mixture	Not classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road and Rail" and the "New Zealand NZS5433: Transport of Dangerous Goods on Land".
2.2 Poison Schedule	Not classified
2.3 Hazard Statements	H315 Causes skin irritation H317 May cause allergic skin reaction H319 Causes serious eye irritation
Precautionary Statement – Prevention	P103 Read label before use P104 Read Safety Data Sheet before use P273 Avoid release into the environment P280 Wear gloves and eye protection
Precautionary Statement – Response	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 call a Poisons Centre for advice P332+P313 If skin irritation occurs: Get medical attention

Section 3: Composition of Substance or Mixture

Chemical Name	CAS Number	Percentage
Hybridised Siloxane Blend	Mixture	To 100%
Ingredients determined to be non-hazardous	Trade Secret	

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. A sensible precaution is to seek medical attention.

Inhalation

Not considered a hazard.

Skin Contact

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

Ingestion

Dilute with milk or water. Do NOT induce vomiting, Call a doctor if necessary.

Advice to Doctor

Treat symptomatically. **Positions Information Centre Australia 131 126.**

4.2 Symptoms Caused by Exposure

Warning. Chronic dermatitis may develop from repeated exposures.

Section 5: Fire-Fighting Measures**Hazchem Code**

Not applicable

Specific Hazards

Non-combustible material

Section 6: Accidental Release Measures**6.1 Personal Precautions, Protective Equipment and Emergency Procedures**

Wear protective gloves and eye protection.

6.2 Clean-up and Containment Methods

Slippery when spilled. Collect liquid with absorbant or sand. Place in sealed bin. Dispose of waste in accordance with local and state regulations. Small spillage is generally suitable for land fill if 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. Avoid contact with clothing. Contaminated clothing should be disposed of.

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 ventilation is adequate.

Respiratory Protection: Normal room ventilation is adequate.

Skin Protection: Wear protective chemical resistant gloves and eye protection.

Eye Protection: Wear safety glasses or goggles.

8.2 Personal Protective Equipment

Wear protective gloves and safety glasses or goggles eye protection. Clothing should cover arms and legs.

Section 9: Physical and Chemical Properties

Appearance	Milky white liquid
Physical State	Free flowing liquid
Odour	Slight
Odour Threshold	Data not available
pH	Approximately 7 - 8
Initial Boiling Point	Over 100°C
Flash Point	Not applicable
Flammability	Not flammable
Explosive Limits	Data not available
Vapour Pressure	Data not available
Specific Gravity	1.02 - 1.04 @ 25°C
Solubility in Water	100% Dispersible
Explosive Properties	Will not explode
Oxidising Properties	Data not available
Auto Ignition Temperature	Not capable of auto ignition
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

No known hazardous reactions

10.3 Conditions to Avoid

Elevated temperatures and sources of ignition.

10.4 Hazardous decomposition Products

Oxides of carbon and nitrogen.

Section 11: Toxicological Information

No adverse health effects expected if the product is handled in accordance with this SDS and product label. Symptoms that could arise if product is mishandled and over exposure occurs are:

Acute Toxicity – Eye Contact

May be an eye irritant.

Acute Toxicity – Oral Exposure

Has been classified as non-hazardous. Ingestion may irritate the gastric tract causing vomiting and nausea.

Acute Toxicity – Dermal Exposure

Potential skin irritant

Acute Toxicity – Inhalation exposure

Has been classified as non-hazardous. Not applicable. Not expected to be a respiratory sensitizer.

Skin Corrosive and Irritation

Irritating on skin. Prolonged or repeated contact may result in contact dermatitis and sensitisation in some individuals.

Serious Eye Damage and Irritation

May be an eye irritant

Cell Mutagenicity

Not considered mutagenic.

Carcinogenicity

Not considered to be carcinogenic.

Reproductive Toxicity

Not applicable

Target Organ Toxicity from Single Exposure

Not applicable

Target Organ Toxicity from Repeated Exposure

Not applicable

Aspiration hazard

Not applicable

Additional Toxicity Information

Data not available

Section 12: Ecological Information

12.1 Ecotoxicity

No information as to toxic to aquatic life. Avoid release to the environment. 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 controlled wastes and should be disposed of in accordance with any applicable regulations.

Section 14: Transportation Information

14.1 UN Number

Not applicable mixture

14.2 Proper Shipping Name or Technical Name

Not classified as Dangerous Goods by criteria of the "Australian Code for the Transport of Dangerous Goods by Road and Rail"

14.3 Transport Hazard DG Class

Not applicable

14.4 Packing Group

Not applicable

- 14.5 Special Provisions**
No data available
- 14.6 Label**
Warning label and pictogram not applicable
- 14.7 Hazchem code**
Not applicable
- 14.8 EPG Number**
Not applicable

Section 15: Regulatory Information

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

Section 16: Other Information

- 16.1 Revision and Date of SDS**
Issue number 1, dated 26 September 2019
- 16.2 SDS Prepared by:**
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Important note:

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