

SAFETY DATA SHEET

NON-Hazardous Substance, NON-Dangerous Goods

Section 1: Identification

Product Identifier	General purpose concrete densifier Trade name: Eco Densi Shield - Potassium
Recommended Use	Densifying the surface of concrete to provide for increased resistance to 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>24/7 Emergency 0414 793 237 (TAMSA International Consulting)</p> <p>Email info@ecoshield.com.au</p>

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 NSZ 5433: Transport of Dangerous Goods on Land".
2.2 Poison Schedule	Not classified
2.3 Hazard Statements	<p>H315 Causes skin irritation H317 May cause allergic skin reaction H319 Causes serious eye irritation</p> <p>Precautionary Statement - Prevention P103 Read label before use P104 Read Safety Data Sheet before use P264 Wash arms, hands and face after handling P273 Avoid release into the environment P280 Wear gloves and eye protection</p> <p>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 P362 Take off contaminated clothing and wash before use P501 Dispose of contents in accordance with local and state regulations</p>

Section 3: Composition of Substance or Mixture

Chemical Name	CAS Number	Percentage
Potassium Silicate Particles	1312-76-1	30-60%
Proprietary Ingredients	-	Less than 20%
Ingredients not considered harmful	-	
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 and redness. If symptoms persist, a sensible precaution is to seek medical attention.

Inhalation

Not considered a hazard. If spraying, material is considered non-toxic and poses no safety or health threat but may cause irritation to nose and throat.

Skin Contact

If on skin: wash with plenty of soap and running water. If irritation persists, seek medical advice.

Ingestion

Discomfort in stomach and intestinal tract may occur. Immediately give milk or water. Do not induce vomiting. First aid is generally not required. Call a doctor if necessary.

Advice to Doctor

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

4.2 Symptoms Caused by Exposure

None known.

Section 5: Fire-Fighting Measures

Not flammable.

If involved in a fire there is no restriction on types of fire extinguishers used in the immediate area.

There is no explosion risk.

Hazchem Code Not applicable

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

Avoid contact with skin and eyes. Protective globes and eye protection are advised for all chemicals even when classified as non-hazardous.

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 landfill 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.

7.2 Precautions for Storage

Store in original containers. Do not allow to freeze. Store away from foodstuffs.

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 eye protection. Normal room ventilation is adequate. If spraying, use a gauze dust mask to capture any airborne mist particles.

Section 9: Physical and Chemical Properties

Appearance	Transparent liquid
Odour	Odourless
Odour Threshold	Not applicable
pH	Approximately 7
Initial Boiling Point	Commences 100°C
Freezing Point	0°C
Flash Point	Not applicable
Flammability	Not flammable
Explosive Limits	Not applicable
Vapour Pressure	Per water
Specific Gravity	1.20
Solubility in Water	100% Soluble
Explosive Properties	Will not explode
Oxidising Properties	Data not available
Viscosity	Free flowing liquid
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

Hazardous polymerization will not occur.

10.3 Conditions to Avoid
Stable under normal conditions.

10.4 Hazardous decomposition Products
Will not occur.

Section 11: Toxicological Information

Acute Toxicity – Oral Exposure

Has not been classified as harmful by ingestion. Ingestion may irritate the gastric tract causing vomiting and nausea.

Acute Toxicity – Dermal Exposure

This material is not thought to produce adverse health effects or skin irritation from contact. Nevertheless, good hygiene practice requires skin to be protected from any chemical contact.

Acute Toxicity – Inhalation Exposure

Not thought to produce adverse health effects from inhalation. Nevertheless, good hygiene practice requires avoiding breathing any chemical product. Avoid spray mist if spraying – use dust / vapour mask.

Chronic Exposure

Long term exposure to the product is not thought to produce any chronic health effects. Nevertheless, exposure by all routes should be minimized as a matter of course.

Skin Contact and Irritation

Not thought to produce adverse health effects from skin contact.

Serious Eye Damage and Irritation

Not thought to produce adverse health effects from eye contact. Refer to first aid procedures in section 4 above.

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

Not classified as toxic to aquatic life with long lasting effects. However, 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 this or any chemical into drains or watercourses. If soaked up by absorbent, may be disposed of as solid waste. Wastes should be disposed of in accordance with any applicable regulations.

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 (ADG7)
- 14.4 Packing Group**
Not regulated
- 14.5 Special Provisions**
No data available
- 14.6 Label**
No specific requirement
- 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**
None
- 15.3 National / Regional Inventories**
AICS listed

Section 16: Other Information

- 16.1 Revision and Date of SDS**
New SDS format - Issue number 1, dated 26 September 2017
- 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

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