


## SAFETY DATA SHEET

### Hazardous Substance, NON-Dangerous Goods

#### Section 1: Identification

|                                       |  |
|---------------------------------------|--|
| <b>Product Identifier</b>             | General purpose concrete densifier<br>Trade name: <b>Eco Densi Shield - Sodium</b>   |
| <b>Recommended Use</b>                | Densifying the surface of concrete to provide for increased resistance to penetration of stains and water.   |
| <b>Details of supplier of the SDS</b> | <p><b>Manufacturer</b><br/>Ecoshield Performance Coatings Pty Ltd<br/>66 O'Sullivan Beach Road<br/>Lonsdale 5160<br/>South Australia</p> <p><b>Contact Person</b><br/>Joe Haif, Managing Director</p> <p><b>24/7 Emergency</b><br/>0414 793 237 (TAMSA International Consulting)</p> <p><b>Email</b><br/>info@ecoshield.com.au</p> |

#### Section 2: Hazard Identification

|   |   |  |
|---|---|--|
| <b>2.1 Classification of the substance or mixture</b> | 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 NZ 5433: Transport of Dangerous Goods on Land".<br>Acute Toxicity – Oral: Category 5<br>Contact Hazard – Eyes: Category 2A<br>Contact Hazard – Skin: Category 2   |  |
| <b>2.2 Signal Word</b>                                | WARNING   |  |
| <b>2.3 Poison Schedule</b>                            | Scheduled Poison S5   |  |
| <b>2.4 Hazard Statements</b>                          | <p>H303 May be harmful if swallowed<br/>H315 Causes skin irritation<br/>H319 Causes serious eye irritation</p> <p><b>Precautionary Statement - Prevention</b><br/>P264 Wash arms, hands and face after handling<br/>P270 Do not eat, drink or smoke when using this product<br/>P280 Wear gloves and eye protection</p> <p><b>Precautionary Statement - Response</b><br/>P301+P312 If swallowed: Call a Poison Centre or doctor if you feel unwell<br/>P303+P361+P353 If on skin (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower<br/>P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, continue rinsing<br/>P332+P313 If skin irritation occurs: Get medical attention</p> <p><b>Precautionary Statement - Storage</b><br/>P405 Store locked up</p> <p><b>Precautionary Statement - General</b><br/>P101 If medical advice is needed, have product container or label at hand<br/>P102 Keep out of reach of children<br/>P103 Read label before use</p> |  |

#### Section 3: Composition of Substance or Mixture

| Chemical Name                      | CAS Number | Percentage      |
|------------------------------------|------------|-----------------|
| Sodium Silicate Particles          | 1344-09-8  | 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 gloves 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**

|                                  |                              |
|----------------------------------|------------------------------|
| <b>Appearance</b>                | Transparent liquid           |
| <b>Odour</b>                     | Odourless                    |
| <b>Odour Threshold</b>           | Not applicable               |
| <b>pH</b>                        | Approximately 7              |
| <b>Initial Boiling Point</b>     | Commences 100°C              |
| <b>Freezing Point</b>            | 0°C                          |
| <b>Flash Point</b>               | Not applicable               |
| <b>Flammability</b>              | Not flammable                |
| <b>Explosive Limits</b>          | Not applicable               |
| <b>Vapour Pressure</b>           | Per water                    |
| <b>Specific Gravity</b>          | 1.20                         |
| <b>Solubility in Water</b>       | 100% Soluble                 |
| <b>Explosive Properties</b>      | Will not explode             |
| <b>Oxidising Properties</b>      | Data not available           |
| <b>Viscosity</b>                 | Free flowing liquid          |
| <b>Auto Ignition Temperature</b> | Not capable of auto ignition |
| <b>Decomposition Temperature</b> | 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

LD50 (rat): 5000 mg/kg (as 100%)

The acute oral toxicity of this product has not been tested. When Sodium Silicates were tested on a 100% solids basis, their single dose acute oral LD50 in rats ranged from 1152 mg/kg (above) to 5700 mg/kg. The acute oral lethality resulted from nonspecific causes. These products contain 30-60% Sodium Silicate thus each overall product has an Acute Oral Toxicity LD50 (rat): >3000 mg/kg.

### 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. Absorbed spillages are suitable for landfill disposal.

## 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

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

S5

### 15.3 National / Regional Inventories

AICS listed

## Section 16: Other Information

### 16.1 Revision and Date of SDS

Changes to reflect Hazardous Chemical instructions - Issue number 2, dated 11 June 2019

### 16.2 SDS Prepared by:

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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: TAMSA International Consulting**

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