

## SAFETY DATA SHEET

### Hazardous Substance, NON-Dangerous Goods

#### Section 1: Identification

<b>Product Identifier</b>	Low toxicity, low corrosion, diluted acid concrete softening agent Trade name: <b>Liquid Grind</b>
<b>Recommended Use</b>	Softener and surface etch for concrete surfaces prior to treatment with other Ecoshield products. Suitable for use in all diamond grinding or cutting applications.
<b>Details of supplier of the SDS</b>	<p><b>Manufacturer</b> Ecoshield Performance Coatings Pty Ltd 66 O'Sullivan Beach Road Lonsdale 5160 South Australia</p> <p><b>Contact Person</b> Joe Haif, Managing Director</p> <p><b>24/7 Emergency</b> 0414 793 237 (TAMSA International Consulting)</p> <p><b>Email</b> info@ecoshield.com.au</p>

#### Section 2: Hazard Identification

**2.1 Classification of the substance or mixture** Classified as Non-Hazardous according to the criteria of GHS.

**2.2 Poison Schedule** Not classified

**2.3 Hazard Statements**

H315 Causes skin irritation  
H318 Causes serious eye damage  
H401 Toxic to aquatic life



**Precautionary Statement - Prevention**

P264 Wash arms, hands and face after handling  
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  
P362 Take off contaminated clothing and wash before use  
P501 Dispose of contents in accordance with local and state regulations

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

Chemical Name	CAS Number	Percentage
Water	7732-18-5	Over 90%
Phosphoric Acid	7764-38-2	Less than 10%

#### 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.

**Inhalation**

Not considered a hazard.

**Skin Contact**

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

**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, mildly corrosive. Chronic dermatitis may develop from repeated exposures.

## Section 5: Fire-Fighting Measures

Dilute Phosphoric Acid is a non-combustible liquid.

**Hazchem - None**

## 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

Collect liquid and dilute 10 times with water. Release to drain if local regulations allow.

## Section 7: Handling and Storage

### 7.1 Precautions for Safe Handling

As with all chemicals wash hands after use. Avoid contact with eyes, skin and mouth. Do not mix with bases (alkalis) as some low-level heat may be generated.

## Section 8: Exposure Controls / Personal Protection

### 8.1 Occupational Exposure Limit Values.

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.

## Section 9: Physical and Chemical Properties

<b>Appearance</b>	Colourless liquid
<b>Odour</b>	Slight
<b>Odour Threshold</b>	Data not available
<b>pH</b>	Approximately 3
<b>Initial Boiling Point</b>	Approximately 100°C
<b>Flash Point</b>	Data not available
<b>Flammability</b>	Not flammable
<b>Explosive Limits</b>	Data not available
<b>Vapour Pressure</b>	As per water
<b>Specific Gravity</b>	1.03
<b>Solubility in Water</b>	Highly soluble
<b>Viscosity</b>	20 Centipoise @ 25°C
<b>Explosive Properties</b>	Will not explode
<b>Oxidising Properties</b>	Data not available
<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

Very unlikely as a highly diluted acid.

### 10.3 Conditions to Avoid

Strong bases and alkalis, amines, aldehydes.

### 10.4 Hazardous decomposition Products

Will not occur.

## Section 11: Toxicological Information

### Acute Toxicity – Oral Exposure

Not applicable

### Acute Toxicity – Dermal Exposure

Not applicable

### Acute Toxicity – Inhalation Exposure

Not applicable

### Acute Toxicity – Other Information

LD50, Oral, Rat: (Phosphoric Acid) 15330 mg/kg, behavioral, kidney, bladder, hair effects noted, LD50 dermal, Rat: 2740 mg/kg (Phosphoric Acid), behavioral effects noted.

**Skin Contact and Irritation**

Causes skin irritation, Wash arms, hands and face after handling. Wear protective gloves and eye protection. IF ON SKIN wash with plenty of soap and water. If skin irritation occurs take off contaminated clothing and seek medical attention.

**Serious Eye Damage and Irritation**

Can cause serious eye damage even though in a diluted state. Wear eye protection. IF IN EYES rinse with water for several minutes. Remove contact lenses. Continue rinsing. Seek medical help.

**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**

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**

Dilute with copious amount (50 times the volume) of water for sewer disposal.

**Section 14: Transportation Information****Not regulated for transport of Dangerous Goods****14.1 UN Number**

None

**14.2 Proper Shipping Name or Technical Name**

Phosphoric acid 5% w/v solution

**14.3 Transport Hazard DG Class**

None

**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

Issue number 1, dated 19 September 2017

### 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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