



surface preparation & maintenance
products for industry professionals

MATERIAL SAFETY DATA SHEET

SECTION 1 – IDENTIFICATION

Product Name **PH-2**

Recommended Use **Acid Detergent Sanitiser**

Supplier Eco Coating Systems
ACN 109 331 946
Address PO Box 2141, Noosaville BC
Queensland 4566 AUSTRALIA

Telephone Number 0419 150 814
Facsimilie (07) 5449 0510
Email ecocoatingsystems@bigpond.com

SECTION 2 – HAZARDS IDENTIFICATION

Hazardous according to criteria of Worksafe Australia.

Hazard Category : Xi (Irritant)

Risk Phrases

R36/38 Irritating to eyes and skin

Safety Phrases

S1/2 Keep locked up and out of reach of children
S24/25 Avoid contact with skin and eyes
S26 In case of contact with eyes, rinse immediately with plenty of water and contact a doctor or the Poisons Information Centre.

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

<u>Ingredient</u>	<u>CAS Number</u>	<u>Proportion (%m/m)</u>
Water	7732-18-5	M
Citric Acid	7664-38-2	M
Glycolic Acid	79-14-1	M
Benzalkonium Chloride	68424-95-3	L
Dye	Proprietary	L

H>60% M=10-60% L=<10%

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SECTION 4 – FIRST AID MEASURES

First Aid

Swallowed:	If swallowed <u>DO NOT</u> induce vomiting. Give a 1-3 glasses of water to drink. Seek immediate medical assistance or contact the Poisons Information Centre immediately.
Eye:	If in eyes, hold eyelids apart and flush continuously with running water. Continue flushing until advised by the Poisons Information Centre or a doctor, or for at least 15 minutes. Seek immediate medical assistance or contact the Poisons Information Centre immediately.
Skin:	If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water.
Inhaled	Remove victim from further exposure. Remove contaminated clothing and loosen remaining clothing. If NOT breathing, apply artificial resuscitation. If breathing difficult administer oxygen. Allow patient to assume most comfortable position. Seek medical attention if effects persist.

Advice to Doctor

Treat symptomatically.

SECTION 5 – FIRE FIGHTING MEASURES

Fire/Explosion Hazard

This material is not combustible under normal conditions. However, it can react with certain metals to produce flammable hydrogen gas. On burning will emit toxic fumes. Fire fighters should wear self-contained breathing apparatus if risk of exposure to vapour or products of combustion

Keep containers cool by spraying with water to prevent pressure building up inside the drums, causing them to burst.

Extinguishing Media

Use water spray, 'alcohol' foam, dry chemical or carbon dioxide.
Avoid using large quantities of water.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Spills

Increase ventilation. Wear protective equipment to prevent skin and eye contamination and inhalation of vapours or mists. Contain using sand or soil – prevent run off into drains and waterways. Use absorbent (soil, sand vermiculite or other inert material). Neutralise with lime or soda ash. Collect and seal in properly labelled drums for disposal. If contamination of sewers or waterways has occurred advise local emergency services.

SECTION 7 – HANDLING AND STORAGE

Handling : Avoid skin and eye contact

Storage : Under normal weather conditions store in a well-ventilated area.
Store in a dry cool environment
Keep containers closed at all times when not in use.
Store away from alkalis or chlorine compounds
Check regularly for leaks. Remove drum bungs slowly to release any internal pressure.

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SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limits : No value assigned for this specific material by the Occupational Health and Safety Commission

Engineering Control Measures : Natural ventilation should be adequate under normal use conditions, Keep containers closed when not in use.

Personal Protective Equipment :

Eye: Safety Glasses

Hands: Impervious plastic or rubber gloves.

Other: Not applicable

Respirator: Not applicable

Always wash hands before eating, drinking, smoking or using the toilet.
Wash contaminated clothing and other protective equipment before storage and reuse.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance/Odour:	Clear Green Liquid	pH (as is):	2 to 3
Melting Point:	0oC	Flash Point:	Not applicable
Boiling Point:	100°C (approximately)	Volatiles	Water only
Density: @ 25°C	1.20 grams/mL (approximately)	Flammable Limits:	Not applicable
Solubility:	Miscible		

SECTION 10 – STABILITY AND REACTIVITY

Stability Incompatible with alkalis and strong oxidising agents

Reactivity May react with strong oxidants. Toxic gases and vapours (Acid fumes) may be released

SECTION 11 – TOXOLOGICAL INFORMATION

Health Effects

No adverse health effects expected if the material is handled in accordance with the Material Safety Data Sheet. Symptoms that may arise if the material is mishandled are :

Acute Effects

Swallowing: May cause severe pain and burning of the mouth & oesophagus, nausea, vomiting & Diarrhoea. Oral LD50 >7000 mg/kg (Rat) – Citric Acid

Eye: A severe eye irritant. May cause severe eye damage

Skin: Contact with skin will result in severe irritation. Repeated or prolonged skin contact may cause burns and permanent damage.
Dermal LD50 = 500 mg/kg (rabbit) – Citric Acid

Inhaled: Vapour or mist may be irritant to mucous membranes and respiratory tract

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Chronic Effects

Principal routes of exposure are by accidental skin or eye contact
Prolonged or repeated skin contact may have a corrosive action on human tissues

SECTION 12 – ECOLOGICAL INFORMATION

Avoid contaminating waterways.
Spills should be contained, absorbed by sand or earth and placed in sealed plastic or epoxy-lined drums for disposal

SECTION 13 – DISPOSAL CONSIDERATIONS

Refer to Waste Management Authority .

SECTION 14 – TRANSPORT INFORMATION

Not Classified as a Dangerous Good by the Criteria of the Australian Dangerous Good Code

Proper Shipping Name :	Not applicable
UN Number :	Not applicable
Dangerous Goods Class :	Not applicable
Subsidiary Risk :	Not applicable
Hazchem Code :	Not applicable
Packing Group :	Not applicable

SECTION 15 – REGULATORY INFORMATION

Classification	Based upon information, classified as hazardous according to criteria of NOHSC
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Poisons Schedule	Schedule 5
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SECTION 16 – OTHER INFORMATION

Contact Points

<u>Organisation</u>	<u>Location</u>	<u>Telephone</u>	<u>Ask For</u>
Eco Coating Systems	Queensland, Australia	0419 150 814	Technical Manager
Poisons Information Centre		13 1126	

MSDS are updated frequently. Please ensure that you have a current copy.

This MSDS summarises our best knowledge of the health and safety hazard information of the product; how to safely handle and use the product in the workplace. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact Eco Coating Systems. Our responsibility for products sold are subject to our standard terms and conditions. Which is available on request. Where health or safety data given discloses a risk to the user or environment, it is the responsibility of the Purchaser to pass on that information to employees or those who may be using the product, ensuring that adequate safety procedures are used including good industrial hygiene.

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