



# Superwash Enviro

**SAFETY DATA SHEET**

Date of Issue: 9 April 2024

## 1. IDENTIFICATION OF MATERIAL AND SUPPLIER

<b>Product Name</b>	Superwash Enviro
<b>Code</b>	C14723
<b>Product Use</b>	Machine dishwashing liquid
<b>Company Name</b>	Rhima Australia (ABN 63 007 242 604)
<b>Address</b>	72 – 74 Woodlands Drive, Braeside, Victoria 3195, Australia
<b>Telephone</b>	(03) 8586 5444
<b>Facsimile</b>	(03) 8586 5454
<b>Email</b>	<a href="mailto:info@rhima.com.au">info@rhima.com.au</a>

## 2. HAZARDS IDENTIFICATION

<b>GHS Classification</b>	<b>Skin Corrosion Category 1A</b> <b>Corrosive to Metals- Category 1</b>
<b>Signal Word</b>	<b>DANGER</b>
<b>Hazard Statements</b>	<b>Causes severe skin burns and eye damage</b> <b>May be corrosive to metals</b>
<b>Precautionary Statements</b>	Please refer to the Safety Data Sheet. Keep out of reach of children. Keep in original packaging. Do not breathe mists, fume, gas, mist, vapours or spray. Wash hands, face and all exposed skin thoroughly after handling. Wear protective gloves / protective clothing and eye protection / face protection. Do not eat, drink or smoke when using this product. Absorb spillage to prevent material damage.  If medical advice is needed, have the product container or label at hand.  IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water. Wash contaminated clothing before reuse.  IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTRE or doctor.  IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTRE or doctor.  Store locked up. Keep only in original container. Dispose of contents/container in accordance with state regulations.

### Pictograms





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### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	Name	CAS	Proportion
	Potassium hydroxide	1310-58-3	10 - 30%
	Disodium metasilicate	6834-92-0	1 – 10%
	EDTA Tetra sodium	64-02-8	1 – 10%
	Ingredients determined not to be hazardous	Not required	Balance

### 4. FIRST AID MEASURES

<b>Ingestion</b>	Rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water to drink. Never give anything by the mouth to an unconscious patient. If vomiting occurs give further water. Seek medical advice.
<b>Eye</b>	If in eyes, hold eye lids apart and flush the eye continuously with running water. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes. Seek urgent medical attention.
<b>Skin</b>	If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. If swelling, redness, blistering or irritation occurs seek medical assistance. For gross contamination, immediately drench with water and remove clothing. Continue to flush skin and hair with plenty of water (and soap if material is insoluble). For skin burns, cover with a clean, dry dressing until medical help is available. If blistering occurs, do NOT break blisters. If swelling, redness, blistering, or irritation occurs seek medical assistance
<b>Inhaled</b>	Remove victim from exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Seek medical advice if effects persist.
<b>First Aid Facilities</b>	Wear safety shoes, gloves, safety glasses. Available information suggests that gloves made from nitrile rubber should be suitable for intermittent contact. However, due to variations in glove construction and local conditions, the user should make a final assessment. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.
<b>Advice to Doctor</b>	Treat symptomatically. Can cause corneal burns. For advice contact a Poisons Information Centre. (Phone Australia 131 126; New Zealand 0800 764 766)



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## 5. FIRE FIGHTING MEASURES

<b>Extinguishing Media</b>	If material is involved in a fire use water fog (or if unavailable fine water spray), alcohol resistant foam, standard foam, dry agent (carbon dioxide, dry chemical powder).
<b>Hazards from Combustion</b>	Non-combustible material.
<b>Precautions for Fire Fighters</b>	Wear chemical splash suit and SCBA. Corrosive liquid.
<b>Hazchem</b>	2R

## 6. ACCIDENTAL RELEASE MEASURES

<b>Emergency Procedures</b>	Keep unauthorised people away. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.
<b>Clean Up</b>	Spills will be slippery so treat promptly. For minor spills mop up and rinse with water. For larger spills absorb material on mineral absorbent material or absorbent pads. Collect and put into plastic bags or containers and dispose of through licenced waste disposal contractor. Rinse area with water.

## 7. HANDLING AND STORAGE

<b>Handling</b>	Avoid eye contact and skin contact. Avoid inhalation of vapour, mist or aerosols.
<b>Storage</b>	<p>Store in a cool, dry, well-ventilated place and out of direct sunlight. Store away from foodstuffs. Store away from incompatible materials described in Section 10. Store away from sources of heat and/or ignition. Store locked up. Store in corrosive resistant container with a resistant inner liner. Keep container standing upright. Keep containers closed when not in use - check regularly for leaks.</p> <p>This material is classified as a Class 8 Corrosive as per the criteria of the "Australian Code for the Transport of Dangerous Goods by Road &amp; Rail" and/or the "New Zealand NZS5433: Transport of Dangerous Goods on Land" and must be stored in accordance with the relevant regulations. This material is a Scheduled Poison Schedule 6 (Poison) and must be stored, maintained and used in accordance with the relevant regulations.</p>



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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>Exposure Standards</b>	None listed for product. However, exposure standards for both potassium hydroxide and sodium hydroxide are: TWA 2mg/m <sup>3</sup> peak limitation.
<b>Engineering Controls</b>	Enviro Superwash is dispensed using an electronic feeder to prevent contact with product. Do not add manually. Never use for manual dishwashing. Use in a well-ventilated area to maintain levels below exposure standards.
<b>Personal Protective Equipment</b>	Wear impervious gloves and chemical goggles.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Clear colourless non foaming liquid
<b>Solubility in Water</b>	Soluble
<b>pH</b>	12.3 - 13.3
<b>Flash Point</b>	Not available
<b>Melting Point</b>	Not available
<b>Boiling Point</b>	Not available
<b>Specific Gravity</b>	1.263-1.275

## 10. STABILITY AND REACTIVITY

<b>Stability</b>	Stable under normal conditions
<b>Hazardous Polymerisation Conditions to Avoid</b>	Oxides of carbon and nitrogen, smoke and other toxic fumes. Elevated temperatures and sources of ignition.
<b>Incompatible Materials</b>	Oxidising agents.



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### 11. TOXICOLOGICAL INFORMATION

<b>Ingestion</b>	Swallowing can result in nausea, vomiting, diarrhoea, abdominal pain and chemical burns to the gastrointestinal tract.
<b>Eye</b>	Corrosive to eyes: contact can cause corneal burns. Contamination of eyes can result in permanent injury. A severe eye irritant.
<b>Skin</b>	Contact with skin will result in severe irritation. Corrosive to skin - may cause skin burns.
<b>Inhalation</b>	Material may be an irritant to mucous membranes and respiratory tract.
<b>Chronic Effects</b>	Prolonged or repeated exposure to this product will result in skin irritation, burns and possibly result in dermatitis.
<b>Toxicological Data</b>	Non available for Superwash Enviro. However, for potassium hydroxide: Oral LD50: 365mg/kg (rat) Skin 50g/mg/24hr: Severe (human) (Reference: Dangerous Properties of Industrial Materials 7 <sup>th</sup> Edition)

### 12. ECOLOGICAL INFORMATION

<b>Ecotoxicity</b>	No information available. Avoid contaminating waterways
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### 13. DISPOSAL CONSIDERATIONS

Refer to Waste Management Authority. Dispose of material through licensed waste contractor. Assure conformity with all applicable regulations.

### 14. TRANSPORT INFORMATION

#### ROAD AND RAIL TRANSPORT

Classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail" and the "New Zealand NZS5433: Transport of Dangerous Goods on Land".

<b>UN No.</b>	1719
<b>Proper Shipping Name</b>	CAUSTIC ALKALI LIQUID, N.O.S. (CONTAINS POTASSIUM HYDROXIDE)
<b>Hazchem Code</b>	2 R
<b>Class</b>	8
<b>Packing Group</b>	II
<b>Emergency</b>	37
<b>Response Guide No</b>	
<b>Limited Quantities</b>	1L



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**Segregation Dangerous Goods:** Not to be loaded with explosives (Class 1), dangerous when wet substances (Class 4.3), oxidising agents (Class 5.1), organic peroxides (Class 5.2), radioactive substances (Class 7) or food and food packaging in any quantity. Note 1: Concentrated strong alkalis are incompatible with concentrated strong acids. Note 2: Concentrated strong acids are incompatible with concentrated strong alkalis. Note 3: Acids are incompatible with Dangerous Goods of Class 6 which are cyanides. Exemptions may apply.

### MARINE TRANSPORT

Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea. This material is classified as a Marine Pollutant (P) according to the International Maritime Dangerous Goods Code.

<b>UN No.</b>	1719
<b>Proper Shipping Name</b>	CAUSTIC ALKALI LIQUID, N.O.S. (CONTAINS POTASSIUM HYDROXIDE)
<b>Class</b>	8
<b>Packing Group</b>	II



### AIR TRANSPORT

Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

<b>UN No.</b>	1719
<b>Proper Shipping Name</b>	CAUSTIC ALKALI LIQUID, N.O.S. (CONTAINS POTASSIUM HYDROXIDE)
<b>Class</b>	8 Corrosive
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## 15. REGULATORY INFORMATION

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**Classification** The Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) established under the Therapeutic Goods Act (Commonwealth) February 2024: S6 Poison.

AICIS Status: All components of this product are listed on or exempt from the Australian Inventory of Industrial Chemicals (AIC).

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## 16. OTHER INFORMATION

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**Contact Point** Rhima Australia. Phone (03) 8586 5444  
24 Hour Medical Emergency Ph.13 11 26

**Date of preparation** 9<sup>th</sup> April 2024