



# Superwash

Date of Issue: 17 February 2017

## 1. IDENTIFICATION OF MATERIAL AND SUPPLIER

<b>Product Name</b>	Superwash
<b>Code</b>	50108RSW
<b>Product Use</b>	Machine dishwashing liquid
<b>Company Name</b>	Rhima New Zealand
<b>Address</b>	Unit 7, 13 Beatrice Tinsley Crescent, Albany, Auckland 0632
<b>Telephone</b>	09 414 5575
<b>Mobile</b>	021 934 062

## 2. HAZARDS IDENTIFICATION

<b>GHS Classification</b>	<b>Skin Corrosion Category 1A</b> <b>Acute Toxicity (Oral) Category 4</b> <b>Metal Corrosion 1</b>
<b>Signal Word</b>	<b>DANGER</b>
<b>Hazard Statements</b>	<b>Causes severe skin burns and eye damage</b> <b>Harmful if swallowed</b> <b>May be corrosive to metals</b>
<b>Precautionary Statements</b>	Do not breathe mists. Wash skin thoroughly after handling. Wear protective gloves / protective clothing and eye protection / face protection. Do not eat, drink or smoke when using this product. Store locked up. Keep only in original container. Absorb spillage to prevent material damage.  IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  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.  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>	If swallowed do NOT induce vomiting. Immediately wash out mouth with water. Seek medical attention.
<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 contact occurs, remove contaminated clothing and flush skin with running water. Do not re-use contaminated clothing until washed. Seek medical attention.
<b>Inhaled</b>	Not normally a problem due to method of use and non-volatile nature of product. However, if breathing is affected, remove victim from contaminated area. If problem persists seek urgent medical attention.
<b>First Aid Facilities</b>	An eye wash and general washing facility should be available adjacent to the work area.
<b>Advice to Doctor</b>	Treat symptomatically. For advice contact a Poisons Information Centre. (Phone, New Zealand 0800 764 766)

## 5. FIRE FIGHTING MEASURES

<b>Extinguishing Media</b>	Use appropriate extinguishing media to suit surrounding area
<b>Hazards from Combustion</b>	Material does not burn.
<b>Precautions for Fire Fighters</b>	Wear chemical splash suit and SCBA. Corrosive liquid. Contact with metals may evolve flammable Hydrogen gas.
<b>Hazchem</b>	2R



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## 6. ACCIDENTAL RELEASE MEASURES

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<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.

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## 7. HANDLING AND STORAGE

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<b>Handling</b>	Wear appropriate protective clothing to prevent skin and eye contact. Use in well-ventilated area. Keep containers closed when not in use. Maintain high standards of personal hygiene. Wash hands immediately after using product.
<b>Storage</b>	Corrosive product. Store in a cool, dry, well ventilated place out of direct sunlight. Store in closed containers. Store away from incompatible materials such as acids, aluminium or zinc. Stored locked up.

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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<b>Exposure Standards</b>	None listed for product. However, exposure standards for potassium hydroxide are:  TWA 2mg/m <sup>3</sup> Peak Limitation
<b>Engineering Controls</b>	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.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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<b>Appearance</b>	Clear colourless non foaming liquid
<b>Solubility in Water</b>	Soluble
<b>pH</b>	14
<b>Flash Point</b>	Not available
<b>Melting Point</b>	Not available
<b>Boiling Point</b>	Not available
<b>Specific Gravity</b>	1.274



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## 10. STABILITY AND REACTIVITY

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<b>Stability</b>	Stable under normal conditions
<b>Hazardous Polymerisation Conditions to Avoid</b>	Will not occur
<b>Incompatible Materials</b>	No special conditions
	Reacts violently with acids. Attacks aluminium, tin and zinc

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## 11. TOXICOLOGICAL INFORMATION

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<b>Ingestion</b>	Swallowing can result in nausea, vomiting, diarrhoea, abdominal pain and bleeding. Can cause burns to the mouth, oesophagus and gastrointestinal tract.
<b>Eye</b>	Corrosive to eyes. Will cause severe irritation and chemical burns. Contamination of eyes can result in permanent injury or blindness.
<b>Skin</b>	Contact with skin will result in severe irritation. Corrosive to skin - may cause skin burns.
<b>Inhalation</b>	Not normally an inhalation risk due to nature of product and method of use. However, mist inhalation may cause severe irritation to the mucous membranes and upper 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. 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)

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## 12. ECOLOGICAL INFORMATION

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

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



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## 14. TRANSPORT INFORMATION

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<b>UN No.</b>	1719
<b>Proper Shipping Name</b>	CAUSTIC ALKALI LIQUID N.O.S (Contains Potassium Hydroxide)
<b>Hazchem Code</b>	2R
<b>Class</b>	8 Corrosive
<b>Packing Group</b>	II

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## 15. REGULATORY INFORMATION

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<b>Classification</b>	Poisons Schedule: S6 according to the Poisons Standard March 2016
	Hazardous according to the criteria of the Globally Harmonised System of Classification and Labelling of Chemicals (GHS)

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## 16. OTHER INFORMATION

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<b>Contact Point</b>	Rhima New Zealand. Phone 09 414 5575 24 hour medical emergency 0800 764 766
<b>Date of preparation</b>	17 <sup>th</sup> February 2017
<b>Issue</b>	3