



# Megawash

Date of Issue: 16 December 2016

## 1. IDENTIFICATION OF MATERIAL AND SUPPLIER

<b>Product Name</b>	Megawash
<b>Code</b>	50075
<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>Eye Damage 1</b> <b>Skin Corrosion 1A</b> <b>Metal Corrosion 1</b> <b>Acute Toxicity 4</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>Contact with acids liberates toxic gas</b> <b>Harmful if swallowed</b>
<b>Precautionary Statements</b>	Avoid breathing mists. Ensure adequate ventilation when using. Keep out of reach of children. Store locked up. Wash skin thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves, protective clothing and eye /face protection. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER or doctor/physician if you feel unwell. IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If problem persists, seek urgent medical attention. 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%
	Sodium hypochlorite	7681-52-9	1 - 5%
	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 urgent 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 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

<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>	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.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>Exposure Standards</b>	None listed for product. However exposure standards for potassium hydroxide and sodium hypochlorite are:  Potassium hydroxide TWA 2mg/m <sup>3</sup> Peak limitation Sodium hypochlorite TWA 1ppm, 3mg/m <sup>3</sup> peak limitation
<b>Engineering Controls</b>	Megawash 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>	14
<b>Flash Point</b>	Not available
<b>Melting Point</b>	Not available
<b>Boiling Point</b>	Not available
<b>Specific Gravity</b>	1.29




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## 10. STABILITY AND REACTIVITY

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<b>Stability</b>	Stable under normal conditions
<b>Hazardous</b>	Will not occur
<b>Polymerisation</b>	
<b>Conditions to Avoid</b>	No special conditions
<b>Incompatible Materials</b>	Reacts violently with acids. Contact with acids liberates toxic chlorine gas. 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. Corrosion to skin- may cause skin burns.
<b>Inhalation</b>	Not 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 Megawash. 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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UN No.	1719
Proper Shipping Name	CAUSTIC ALKALI LIQUID N.O.S (Contains Potassium Hydroxide)
Hazchem Code	2 R
Class	8 Corrosive
Packing Group	II

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## 15. REGULATORY INFORMATION

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Classification	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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Contact Point	Rhima New Zealand. Phone 09 414 5575 24 hour medical emergency 0800 764 766
Date of preparation	6 <sup>th</sup> July 2016