



1. IDENTIFICATION OF THE MATERIAL AND THE MANUFACTURER

Product Name	MAC Arandell Antimicrobial Hand Soap		
	Pack size 2L Jerry Can		
Statement of Hazard Nature	Not considered a Hazardous Substance according to the criteria of the New Zealand Hazardous Substances, New Organisms legislation.		
Proper Shipping Name	N/A		
Supplier Name	Arandee Ltd		
Address	108 Rockfield Road, Penrose, Auckland 1061, New Zealand		
Telephone	+64 (9) 579 5139		
Emergency	National Poisons Centre -24 hours	Australia	13 11 26
		New Zealand	0800 POISON 0800 764 766
E-mail	sales@arandee.co.nz		
Web Site	http://www.arandee.co.nz		
Synonym(s)	MAC Arandell; MAC Arandell Hand Soap		
Use(s)	Washing and sanitising hand soap. Creates a rich lather resulting in total skin coverage. Kills 99.9% of common germs. Gentle on skin, contains skin conditioners.		
Approval(s)	Ministry of Primary Industries Approved C51 (all animal products except dairy) AsureQuality Approved Food/Beverage/Dairy		

2. HAZARDS IDENTIFICATION

GHS Classification H319 Causes serious eye irritation.

GHS label elements
Hazard pictograms



Signal word: Warning

Precautionary Statements

	P264	Wash eyes thoroughly after handling.
	P280	Wear face protection.
If in Eyes	P305	Rinse cautiously with water for several minutes.
	P351	Remove contact lenses, if present and easy to do.
	P338	Continue rinsing.
If eye irritation persists	P337	Get medical advice/attention.
	P313	



3. COMPOSITION OF INGREDIENTS / INFORMATION ON INGREDIENTS

Hazard Ingredients	CAS No.	Concentration	Toxicological Data
N/A			

4. FIRST AID MEASURES

After contact with eyes	Immediately rinse eyes with running water for at least 15 minutes. Seek medical attention if irritation persists.
Ingestion	Seek immediate medical attention. If conscious, give 3-4 glasses of milk (or if unavailable, water) DO NOT INDUCE VOMITING.

5. FIRE FIGHTING MEASURES

Extinguishing media:	All
Suitable:	
Special Fire Fighting Procedures	This product is not flammable.
Unusual Fire and Explosion Hazards:	Hazardous Product of combustion. Toxic organic vapours, amines and oxides or carbon and nitrogen and hydrogen chloride.

6. ACCIDENTAL RELEASE MEASURES

Spills	Wear appropriate protective equipment and respirator where mists or vapours of unknown concentrations may be generated.
Large Spills	Do not allow the product to enter drains or waterways. Remove leaking containers to a detached area. Bund spill area and recover, consider recycling. Absorb spilling product with inert material (e.g., sand, earth etc.). Floors become slippery. NB vigorous flushing may generate copious foam.
Disposal	Dispose of waste to an approved waste disposal facility.
Cleaning of equipment	Clean with water.

7. HANDLING AND STORAGE

Handling	Measures to prevent fire and explosion. Avoid sources of heat and ignition. Avoid eye contact.
Storage	Do not contaminate drinking water, food or feed by storage or disposal.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Ventilation	In processes where mists or vapours may be generated, proper ventilation must be provided in accordance with good ventilation practices.
Personal Protective Equipment	Eye Protection: Safety glasses/goggles Hand Protection: N/A

Skin and Body Protection: N/A



9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Green	Solubility (water)	100%
Odour	N/D	Specific Gravity	N/D
pH	6.2	% Volatiles	N/D
Vapour Pressure	N/D	Flammability	HIGHLY FLAMMABLE
Vapour Density	N/D	Flash Point	N/D
Melting Point	N/D	Form	Liquid
Boiling Point	100°C		
Evaporation Rate	N/D		

10. STABILITY AND REACTIVITY

Stability	Stable under normal operating conditions
Materials to Avoid	N/D
Hazardous	N/A
Decomposition Products	
Dangerous Reactions	None

11. TOXICOLOGICAL INFORMATION

Health Effects	Swallowed: Harmful if swallowed Eye: Irritant Skin: N/A Inhaled: Irritating if inhaled.
Acute oral Toxicity	N/D
Acute Dermal Toxicity	N/D
Skin Irritant	Flush well with water for 15 minutes, then consult with a doctor.
Sensitisation	N/D

12. ECOLOGICAL INFORMATION

Aquatic Toxicity	N/A
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Avian Toxicity N/A

13. DISPOSAL CONSIDERATIONS

Waste Disposal

1. Dispose of waste to an approved waste disposal facility.
2. Disposal of empty container: Triple rinse then send to the local council approved recycling facility
3. Disposal of packaging: Send to the local council approved recycling facility.

14. TRANSPORT INFORMATION

	Proper Shipping Name	UN No	Packing Group	DG Class	Subsidiary Risk(s)	Hazchem
Land	N/A					
Sea	N/A					
Air	N/A					

15. REGULATORY INFORMATION

EPA Approval Code	HSR002530
Group Standard	Cleaning products (Subsidiary Hazard) Group Standard 2006
HSNO Classification	Subclass 6.4 Category A Substances that are irritating to ocular tissue.
Labelling	Caution - Keep out of reach of children.

16. OTHER INFORMATION

Additional Information

ASPHYXIANTS (1): reduce the oxygen concentration by displacement, when present in the atmospheres, in high concentrations. As most simple asphyxiants are odourless, atmospheres deficient in oxygen do not provide adequate sensory warning of danger. Therefore, it is not generally appropriate to recommend an exposure standard for each asphyxiant, but instead warn of the need to maintain oxygen concentrations.

Some asphyxiants may be given an exposure standard, due to their potential for narcotic effects at high concentrations, or an explosion hazard.

Asphyxiants (2)

There is a significant hazard associated with workers entering poorly ventilated areas (e.g., tanks) where oxygen levels may be deficient. An air supplied breathing apparatus may be required if adequate ventilation is not ensured. Refer to AS/NZS 2865 - Safe Working in a Confined Space.

Respirators

In general, the best practice to avoid exposure is to use engineering controls, such as adequate ventilation, rather than the use of respirators (which should be limited).
If respiratory equipment must be worn, ensure correct respirator selection and training is



MAC ARANDELL ANTIMICROBIAL HAND SOAP

Public Health washing and sanitiser hand soap

undertaken. Some respirators may be extremely uncomfortable, when used for long periods. The use of air powered or air supplied respirators should be considered where prolonged or repeated use is necessary.

Abbreviations

Mg/m³ - Milligrams per cubic metre
ppm -Parts Per Million
M - moles per litre, a unit of measure of concentration.
pH - relates to hydrogen ion concentration - this value will relate to a scale of 0 – 14, where 0 is highly acidic and 14 is highly alkaline.
TWA/ES - Time Weighted Average or Exposure Standard.
CAS# - Chemical Abstract Service number - uniquely identifies chemical compounds.
CNS - Central Nervous System
NOS - Not Otherwise Specified
IARC - International Agency for Research on Cancer.
N/A -Not Applicable
N/D -No Data Available
N/E -Non Established

Personal Protective Equipment

The recommendations for protective equipment contained within this SDS report are provided as a guide only, when dealing with an abnormal situation. Factors such as method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered before the final selection of personal protective equipment is made.

Health Effects from Exposure

It should be noted that the effects from excess exposure to this product would depend on several factors, including duration of exposure, quantity involved, effectiveness of control measures used; protective equipment and method of application. Given that, it is impractical to prepare a SDS report, which would encompass all possible scenarios, it is anticipated that users will assess the risks in an emergency and apply appropriate control methods.

Report Status

This report is based upon information provided by ingredient manufacturers, and third-party experts. We believe that the information represents the current state of knowledge about safety and handling precautions that are appropriate for this product. Further clarification regarding any aspect of the product should be obtained directly from the Chief Chemist at Arandee Ltd.

While Arandee has taken all due care to include accurate and up-to-date information in this SDS, it does not provide any warranty as to accuracy, or completeness. As far as lawfully possible, Arandee accepts no liability for any loss, injury, or damage (including consequential loss) which may be suffered, or incurred by any person, because of their reliance upon the information contained in this Safety Data Sheet.

Disclaimer

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any ability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.