

# SAFETY DATA SHEET

**KIWICARE®**

Product Name: *Sorted Moss and Mould*

Print/View Date: 3/03/2022

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## 1. PRODUCT AND COMPANY INFORMATION

<b>Product Name:</b>	<b>Sorted Moss and Mould</b>
Relevant identified uses:	Cleaning product containing >5 - ≤25% benzalkonium chloride
Molecular Formula:	Mixture
Supplier:	Kiwicare Corporation Limited
Street Address:	225 Maces Road, Bromley, Christchurch, 8062 New Zealand
Postal Address:	P.O Box 15050, Aranui, Christchurch, 8643 New Zealand
Telephone	+64 3 389 0778
Email:	<a href="mailto:info@kiwicare.co.nz">info@kiwicare.co.nz</a>
Website:	<a href="http://www.kiwicare.co.nz">www.kiwicare.co.nz</a>
Emergency Contact Numbers:	0800 764 766 (0800 POISON)
National Poisons Centre:	0800 764 766 (0800 POISON)

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## 2. HAZARDS IDENTIFICATION

GHS Hazard Classification	Transport of Dangerous Goods Pictogram	GHS Pictogram	Signal word	Hazard statement code	Precautionary statement codes			
					Prevention	Response	Storage	Disposal
Acute Tox. 4	Not applicable for the UN RTDG Model Regulations		Warning	H302	P102 P103 P264 P270	P101 P301 + 312 P330	No storage statements	P501
Skin Corr. 1B			Danger	H314	P102 P103 P260 P264 P280	P101 P301 + 330 + 331 P303 + 361 + 353 P363 P304 + 340 P310 P321 P305 + 351 + 338	P405	P501
Eye Dam. 1	Not applicable for the UN RTDG Model Regulations		Danger	H318	P102 P103 P280	P101 P305 + 351 + 338 P310	P405	P501
Aquatic Acute 1			Warning	H400	P103 P273	P391	No storage statements	P501

Signal word:

DANGER

Dangerous Goods:

Dangerous Goods (Class 8; sub-class 9)

Packaging Group:

III

Hazardous Substance (GHS) Codes:

Acute Tox. 4

Skin Corr. 1B

Eye Dam. 1

Aquatic Acute 1

Pictograms:



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Hazard Statement:	H302: Harmful if swallowed. H314: Causes severe skin burns and eye damage H318: Causes serious eye damage. H400: Very toxic to aquatic life with short-term effects.
Precautionary Statements:	P101: If medical advice is needed, have product container or label at hand. P102: Keep out of reach of children. P103: Read label before use. P260: Avoid breathing mist or spray. P264: Wash exposed skin thoroughly after use. P270: Do not eat, drink, or smoke while using this product. P273: Avoid release to the aquatic environment. P280: Wear a respirator, eye protection, gloves and protective clothing when using. P301 + P312: IF SWALLOWED: Call a POISON CENTRE or doctor/physician if you feel unwell. P330: Rinse mouth. P301 + P330 + P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P363: Wash contaminated clothing before reuse. P304: + P340: IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. P310: Immediately call a POISON CENTRE or doctor/physician. P321: Wash with soap and water. P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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P405: Store locked

P501: Rinse container and dispose to landfill or recycling where allowed. Any appropriate and achievable methods for the disposal of a substance in accordance with the Hazardous Substances (Disposal) Notice 2017. Do NOT burn.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Recommended Use: Cleaning product

Appearance: Clear, straw-coloured liquid

#### Ingredients

Ingredients	CAS #	Content %
Benzalkonium chloride	8001-54-5	≤25
Other proprietary ingredients	NA (mixture)	<10
Water		to 100 %

### 4. FIRST AID MEASURES

General information: In case of accident, or if you feel unwell, seek medical advice (show the label where possible).

Ingestion: Rinse mouth. Do NOT induce vomiting. Seek medical advice or call NZ Poisons Centre on 0800 764 766. If medical advice is needed have product label at hand.

Eye Contact: Rinse opened eye for several minutes under running water. Remove contact lenses, if present and easy to do. Continue rinsing.  
Immediately seek medical advice or call NZ Poisons Centre on 0800 764 766. Have product label at hand.

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Skin Contact:	Wash exposed skin with soap and water. If skin irritation develops immediately seek medical advice or call NZ Poisons Centre on 0800 764 766. Have product label at hand. Wash any contaminated clothing before re-use
Inhalation:	Unlikely to present an inhalation hazard. If breathing problems develop, move patient to fresh air and keep at rest in a position comfortable for breathing. Seek medical advice or call NZ Poisons Centre on 0800 764 766. If medical advice is needed have product label at hand.
Advice for Medical Doctors:	Treat symptomatically.

## 5. FIRE FIGHTING MEASURES

HAZCHEM code:	2X
Specific Hazards:	See hazardous products of combustion. Minimise the use of water to prevent environmental contamination.
Suitable Extinguishing Media:	Product is not flammable. Keep fire exposed containers cool. Appropriate fire extinguishers are Water (preferable fine spray or fog). Use extinguishing media appropriate to the surrounding conditions.
Fire Fighting Advice:	Fire fighters should wear full protective gear, including self-contained breathing apparatus (AS/NZS 1715/1716). Bund area with sand or earth to prevent contamination of drains or waterways. Dispose of fire control water or other extinguishing agent and spillage safely later.
Hazardous Products of Combustion:	Carbon monoxide (CO) and carbon dioxide (CO <sub>2</sub> ).

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## 6. ACCIDENTAL RELEASE MEASURES

Environmental precautions:	Prevent leakage or spillage if safe to do so.
Minor Spills (Up to 20 kg):	Avoid release to the aquatic environment, including stormwater drains and sewers. Contain spill and collect.
Major Spills (more than 20 kg):	Minimise spread. Contain spill and collect. Do not allow product or washings to enter the waterways, stormwater drains or sewer. If spill does enter waterway contact local authority. Collect in an appropriate sealable container for disposal in an approved landfill or incinerate at an authorised installation.

## 7. HANDLING AND STORAGE

Precautions for safe handling:	Avoid prolonged or repeated contact with skin and eye. Avoid inhaling mist or spray. When handling product in drums, safety footwear should be worn, and proper handling equipment should be used. Always use good personal hygiene procedures when handling this product. Wash hands and face before eating, drinking, or smoking. Clean equipment after use. Do not contaminate drains, sewers, or waterways.
Conditions for safe Storage including incompatibilities:	Keep out of the reach of children. Store in a locked ventilated cabinet or area in original container away from direct heat of sunlight. Store away from foodstuffs, children, and animals. Incompatible materials for storage: galvanised steel, unlined mild steel, see section 10. Minimum shelf life: 2 years.
Protection against fire and explosion:	Product is not flammable. The product is not explosive. Keep away from oxidizing agents or strong acids.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Standards:	None allocated. See 'Exposure Standards' below (Workplace Exposure Standards and Biological Exposure November 2020, edition 12-1)
Engineering Controls:	Store locked. Keep away from foodstuff, animal feed, children, and pets.
Hand protection:	If repeated or prolonged contact wear chemical resistant gloves (natural rubber, nitrile, neoprene or PVC are all suitable). Wash hands and exposed skin with soap and water after use.
Eye protection:	Wear eye protection or face shield.
Body protection:	Wear chemical resistant overalls in the workplace or long-sleeved top and long-trousers when using. Wash any contaminated clothing before re-use.
Respiratory Protection:	Wear a respiratory suitable for organic vapours.
General safety and hygiene measures:	Handle in accordance with good hygiene and safety practice. Wearing of closed work clothing is recommended. Minimise contact with the skin, eyes and clothing. Store work clothing separately.
Environmental Exposure Controls:	<i>Minimise release to the environment. For bulk storage, an environmental assessment must be made to ensure compliance with local environmental legislation.</i>

### Exposure Standards:

Substance	Cas #	TWA		STEL	
		ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
<i>None allocated</i>					

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear, straw-coloured liquid
Odour:	Pungent.
Odour Threshold:	No data
pH Value:	7.5 – 10.0
Melting/freezing point:	No data
Boiling point (range):	Approx. 100 °C
Flash Point:	Will not flash
Flammability:	Not flammable
Explosive limits:	No data
Vapour pressure:	No data
Vapour density:	No data
Relative density:	1.00 – 1.02
Solubility:	Soluble
Partition coefficient:	No data
Auto-ignition temperature:	No data
Decomposition temperature:	No data
Viscosity:	No data

## 10. STABILITY AND REACTIVITY

Stability & Chemical reactivity:	Stable under normal conditions of use. Not explosive or oxidising.
Incompatibility or conditions to be avoid:	Strong acids and oxidising agents.
Corrosive Properties:	Corrosive to eyes or skin.
Thermal Decomposition:	Hazardous products of combustion; see section 5 for details.

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## 11. TOXICOLOGICAL INFORMATION

Hazard Classes	Acute Tox. 4 Skin Corr. 1B Eye Dam. 1
Acute Toxicity:	Acute oral LD <sub>50</sub> (calculated) = 532 mg/kg (rat). Acute dermal LD <sub>50</sub> >2,000 mg/kg (rat)
Aspiration hazard	Not an aspiration hazard
Skin corrosion/irritation:	Repeated or prolonged exposure may cause skin corrosion
Serious eye damage/irritation:	May cause serious eye irritation
Respiratory or skin sensitisation:	May to cause skin sensitisation and/or contact dermatitis. May cause respiratory irritation on breathing mist or spray.
Germ cell mutagenicity:	No data available
Carcinogenicity:	IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
Reproductive toxicity:	This product is not expected to cause reproductive or developmental effects.
Specific organ toxicity – single exposure:	No data available
Specific organ toxicity – repeated exposure:	No data available
Narcotic effects:	No data available.

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated

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## 12. ECOTOXICITY INFORMATION

Ecological information of substance:	Aquatic Acute 1. Following ecotoxicity data for pure active. 96h EC <sub>50</sub> (fish) = 0.0322 - 0.064mg/l. 48h EC <sub>50</sub> (daphnia) = 0.0059 mg/l 96h EC <sub>50</sub> (green algae) = 0.085 mg/l
Bioaccumulation:	Will not bioaccumulate
Soil Toxicity:	Rapid – no specific data

## 13. DISPOSAL CONSIDERATIONS

Waste treatment – recommendation:	Any appropriate and achievable methods for the disposal of a substance in accordance with the Hazardous Substances (Disposal) Notice 2017.
Container Disposal:	Empty containers can be recycled or sent to landfill after cleaning if in compliance with local and national regulations. DO NOT reuse containers.

## 14. TRANSPORT INFORMATION

### Road, Rail; Marine and Air:

UN Number:	1903
Dangerous Goods Class:	Class 8 (sub-class 9: (ADR/RID; IMDG; IATA/ICAO)
Hazchem Code:	2X
Packaging Group:	III
Proper Shipping Name:	Disinfectant, Liquid, Corrosive, N.O.S. (Benzalkonium chloride 25%)

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Segregation: All explosives  
Substances and mixtures which, in contact with water, emit flammable gases (Cat 1, 2 or 3)  
Oxidising substances  
Corrosive acids (Metal Corr. 1; Skin Corr. 1A or 1B)

## 15. N.Z. REGULATORY INFORMATION

EPA HSNO Number: HSR002526 (Group Standard – Cleaning Products, Corrosive)

GHS Classifications: Acute Tox. 4  
Skin Corr. 1B  
Eye Dam. 1  
Aquatic Acute 1

HSNO Controls: Refer to HSR002526 Cleaning Product Corrosive Group Standard 2020

Approved codes of Practice:

Additional Controls: Signage required when ≥ 50-litres present on site.  
Emergency Response Plan and secondary containment required where ≥ 100-litres present on site.  
A Hazardous Substance Location certificate is required  
Records to be maintained where > 3-litres are applied to a site where there is potential for the substance to enter a waterway.

## 16. OTHER INFORMATION

SDS date of preparation: 03 / 03 / 2022

SDS date of revision: 23 / 03 / 2027

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## Emergency Contact:

Work Hours:

Kiwicare Corporation  
225 Maces Road  
PO Box 15050  
Christchurch  
Tel: (03) 389 0778  
Fax: (03) 389 0669

24 Hours:

National Poisons Centre  
PO Box 913  
Dunedin  
Tel: 0800 764 766 (POISON)

All Safety Data Sheets are subject to review and should not be left longer than five years before and update is obtained.

For further information visit the Kiwicare web site, [www.kiwicare.co.nz](http://www.kiwicare.co.nz), or contact the supplier of the starting material.

The information in this document should be made available to all who may handle the product. For proper and safe use of this product, please refer to the product label.

This information is based on data believed by Kiwicare Corporation Limited to be accurate at the time of writing. It is given in good faith, but no warranty expressed or implied is made as to its accuracy, completeness or otherwise. Every person dealing with the materials referred herein does so at their own risk absolutely and must make independent determinations of suitability and completeness of information from all sources to ensure their proper use.

Attention is drawn to the application and safety instructions set out on the label. This sheet is not a substitute for safety, hazard or application instructions set out on the label. As Kiwicare Corporation Limited and their distributors have no control over storage or use of this product no liability for accident or damage will be accepted.

## Abbreviations:

ADR: European agreement concerning the international carriage of dangerous goods by Road.

CLP: Classification, Labelling and Packaging

IMDG: International Maritime Dangerous Goods.

IATA: International Air Transport Association.

ICAO: International Civil Aviation Organisation

RID: Regulations concerning the international carriage of Dangerous goods by rail.

GHS: Global Harmonized System

EU: European Union

EC: European Commission

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TLV: Threshold Limit Value

TWA: Time Weighted Average

STEL: Short-Term Exposure Limit

H Phrase: Hazard phrase

P Phrase: Precautionary phrase