

# SAFETY DATA SHEET

**KIWICARE®**

Product Name: Moss and Mould Sorted Commercial

Issue Date:13/12/2013

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## 1. PRODUCT AND COMPANY INFORMATION

<b>Product Name:</b>	<b>Moss and Mould Sorted Commercial</b>
Synonyms:	
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:	
National Poisons Centre:	0800 764 766 (0800 POISON)

## 2. HAZARDS IDENTIFICATION

Dangerous Goods:	None allocated
Packaging Group:	III
Hazardous Substance (HSNO) Codes:	6.1D – Toxic to humans 6.3A – Skin irritant 6.4A – Eye irritant 9.3C – Harmful to terrestrial vertebrates



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## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Recommended Use: Hard surface cleaner and moss and mould killer.

Appearance: Clear to straw liquid.

### Ingredients

Ingredients	CAS #	Content % w/w or w/v
Benzalkonium Chloride	8001-54-5	15.0%

## 4. FIRST AID MEASURES

Ingestion: IF SWALLOWED: Rinse mouth. Call a NZ POISON CENTER (0800 764 766) or doctor/physician if you feel unwell. If medical advice is needed, have product container or label at hand.

Eye Contact: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. Have product container or label at hand.

Skin Contact: IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/ attention. Have product container or label at hand.

Inhalation: None allocated

Notes to Physician: None allocated

## 5. FIRE FIGHTING MEASURES

Specific Hazards:

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## 5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media:

Water spray, foam, CO<sub>2</sub>, dry chemical or any class B extinguishing agent.

Fire Fighting Advice:

Clear fire area of all non-emergency personnel. For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment. This may include self-contained breathing apparatus to protect against the hazardous effects of normal products of combustion or oxygen deficiency. Equipment should be thoroughly cleaned after use. Read the entire document.

## 6. ACCIDENTAL RELEASE MEASURES

Spill Clean-up:

Minor Spills (Up to 20 L):

Floor may be slippery if wet. Wear protective clothing. Clear area of unprotected personnel. Contain spill and absorb with sand, soil or absorbent granules. Do not allow product or washings to enter the waterways or sewer.

Major Spills (more than 20 L):

Floor may be slippery if wet. Wear protective clothing. Clear area of unprotected personnel. Contain spill and absorb with sand, soil or absorbent granules. Do not allow product or washings to enter the waterways or sewer. If spill does enter waterway contact local authority. Contaminated absorbent and wash water should be disposed of according to local and national regulations.

Collect in an appropriate sealable container for disposal in an approved landfill or incinerate at an authorised installation.

## 7. HANDLING AND STORAGE

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## 7. HANDLING AND STORAGE

Handling:	Keep container sealed when not in use. Rinse out empty containers and do not use for any other purpose.
Storage:	Store in original container in a cool, dry ventilated place, away from direct heat or sunlight. Store away from foodstuffs, children and animals. Do not allow product to get wet in storage.  All aspects of storage, handling, use and record keeping must be in accordance with NZS 8409-2004 "Management of Agrichemicals" and local and regional council.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Standards:	None allocated.
Engineering Controls:	Always use with adequate ventilation.
Personal Protection:	Avoid all personal contact. Read label before use. Keep out of reach of children. Do not eat, drink or smoke when using this product. Wear protective gloves, face and eye protection. Wash exposed skin and contaminated clothing with soap and water after use. Wash hands after use and before, using tobacco products, or toilet facilities.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odour:	Clear to straw coloured liquid.
Solubility:	Soluble
Specific Gravity:	0.99 – 1.01
Boiling Point:	None allocated
Freezing Point:	None allocated

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

Melting Point:	None allocated
Vapour Pressure:	None allocated
Coefficient of Cubic Expansion:	None allocated
Relative Vapour Density:	None allocated
Decomposition Point:	None allocated
Viscosity:	None allocated
Flash Point:	None allocated
Electrostatic Generation:	None allocated
Auto-ignition Temperature:	None allocated
% Volatile by Volume:	None allocated
Flammable Limits:	None allocated
pH Value:	7.5 – 9.5
Evaporation Rate:	None allocated
Explosion Hazard:	None allocated
Formula:	Mixture
Molecular Weight:	Mixture
Chemical Family:	None allocated
Other:	None allocated
Oxidising Agents:	None allocated
Acids:	None allocated
Alkalis:	None allocated
Salt or Freshwater:	None allocated
Exposure Standards (TLV-TW):	None allocated

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

Engineering Controls: None allocated

## 10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions of use

Incompatibility: None allocated

Corrosive Properties: Non - corrosive

Thermal Decomposition: None allocated

## 11. TOXICOLOGICAL INFORMATION

General: Toxic to humans. Harmful if swallowed. May cause eye and skin irritation

### Acute Effects

Ingestion: Benzalkonium chloride LD50 mouse 150 mg/kg

Eye Contact: Danger. Causes eye damage.  
Eye exposure may result in mild discomfort (0.1% solution) to very serious corneal damage (10% solution) depending on the agent and the concentration (This product is ~0.36% when diluted in normal use). High concentrations of benzalkonium chloride can cause ocular toxicity in human eyes

Skin Contact: Danger. Concentrate causes severe skin burns.  
LD50 Dermal rat Benzalkonium chloride - 1.420 mg/kg

Inhalation: In acute cases pulmonary oedema resulting from aspiration, dyspnea and cyanosis due to paralysis of the respiratory muscles, bronchoconstriction, cough can occur.

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## 11. TOXICOLOGICAL INFORMATION

Long Term Effects:	Repeated dermal applications of benzalkonium chloride at doses of 10 mg/kg bw or more 5 times/week for 3 months to rats caused changes in blood cellular parameters, liver and kidney damage (no more information provided), increased body temperature and increased weight of adrenals, kidney and testes (no more experimental details were provided) (Committee for veterinary medicinal products - Benzalkonium Chloride - Summary Report. December 1997)
Acute Toxicity:	Benzalkonium chloride LD50 mouse 150 mg/kg
Chronic Toxicity:	None allocated

## 12. ECOTOXICITY INFORMATION

Environmental Effects:	Very toxic to aquatic life.
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## 13. DISPOSAL CONSIDERATIONS

Product Disposal:	Do not allow product or washings to enter the waterways or sewer. If spill does enter waterway contact local authority. Collect in an appropriate sealable container for disposal in an approved landfill or incinerated at an authorised installation.
Container Disposal:	Rinse and recycle or dispose of container in garbage

## 14. TRANSPORT INFORMATION

### Road and Rail

UN Number:	3082
Dangerous Goods Class:	None allocated

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## 14. TRANSPORT INFORMATION

Hazchem Code: 2X

Packaging Group: III

Proper Shipping Name: Environmentally Hazardous substance, N.O.S.  
(contains 25% Benzalkonium chloride)

Segregation: None allocated

### Marine

UN Number: 3082

Class: 9

Packaging Group: III

Proper Shipping Name: Environmentally Hazardous substance, N.O.S.  
(contains 25% Benzalkonium chloride)

### Air Transport

UN Number: 3082

Class: 9

Packaging Group: III

Proper Shipping Name: Environmentally Hazardous substance, N.O.S.  
(contains 25% Benzalkonium chloride)

## 15. N.Z. REGULATORY INFORMATION

EPA HSNO Number: HSR002530 (Cleaning Products (Subsidiary Hazard) Group Standard 2006)

HSNO Classifications: 6.1D – Toxic to humans  
6.3A – Skin irritant  
6.4A – Eye irritant  
9.3C – Harmful to terrestrial vertebrates

HSNO Controls: See EPA website

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## 15. N.Z. REGULATORY INFORMATION

HSNO Approved codes of Practice: See EPA website

## 16. OTHER INFORMATION

Emergency Contact	24 Hours
Work Hours	National Poisons Centre
Kiwicare Corporation	PO Box 913
225 Maces Road	Dunedin
PO Box 15050	Tel: 0800 764 766 (POISON)
Christchurch	
Tel: (03) 389 0778	
Fax: (03) 389 0669	

All Safety Data Sheets are subject to review and should not be left longer than three 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.

The information in this document should be made available to all who may handle the product

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.

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