



Date of issue: 31st January 2017

1. Identification of the substance/preparation and the company

Product name:	Dryden Mould & Lichen Killer	Label ID:	
Supplier:	Dryden Distribution Ltd.		
Address:	15a Piermark Drive Albany Auckland, New Zealand		
Telephone:	(0064) (9) 447 3995 or 0800 379 336	Telefax:	(0064) (9) 447 3994
In case of Poisoning, telephone:	National Poisons Centre: 0800 764 766 or doctor/physician.		
Uses:	House Wash, A quaternary based cleaner for outside use, active against most common forms of bacteria, fungi, moulds, algae and lichen.		

2. Hazards identification

Cleaning Products Corrosive Group Standard

HSNO No: HSR002526

HSNO CLASSIFICATIONS: 6.1D, 6.5A, 6.5B, 6.9B, 8.2C, 8.3A, 9.1B, 9.3C.



**DANGER: KEEP OUT OF REACH OF CHILDREN.
READ LABEL BEFORE USE.**

If medical advice is needed, have product container or label at hand.

Hazardous Substances & New Organisms (HSNO) Act 1996 and Classification Regulations 2001 for the product of this concentration:

Subclasses:

- Subclass 6.1 Category D – Substances that are **harmful in contact with skin.**
- Subclass 6.1 Category D – Substances that are **harmful if swallowed.**
- Subclass 6.1 Category D – Substances that are **harmful if inhaled.**
- Subclass 6.5 Category A – Substances that **may cause allergy or asthma symptoms or breathing difficulties if inhaled.**
- Subclass 6.5 Category B – Substances that **may cause allergic skin reaction.**
- Subclass 6.9 Category B – Substances that **may cause damage to body organs.**
- Subclass 8.2 Category C – Substances that **causes skin burn.**
- Subclass 8.3 Category A – Substances that **cause serious eye damage.**
- Subclass 9.1 Category B – Substances that are **toxic to aquatic life with long lasting effects.**
- Subclass 9.3 Category C – Substances that are **harmful to terrestrial vertebrates**

This Material Safety Data Sheet may not provide exhaustive guidance for all HSNO Controls assigned to this substance. The EPA Web Site should be consulted for a full list of triggered controls and cited regulations.

3. Composition/information on ingredients

Chemical name:

Ingredients:	CAS-No.	%-Content
Benzalkonium chloride	(8001-54-5)	100 g/l
Mineral buffer		<2%
Water		to 100%

4. First-aid measures

First Aid: If you feel unwell: Call National Poisons Centre or doctor/physician
If medical advice is needed, have this SDS or product container or label at hand.

IF SWALLOWED: **Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER or doctor/physician if you feel unwell.**

IF IN EYES: **Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing.**
If eye irritation persists: Get medical advice/attention.

IF ON SKIN (or hair): **Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash with plenty of soap and water.**
Wash contaminated clothing before reuse.
If skin irritation or swelling occurs: Get medical advice/ attention
Call a POISON CENTER or doctor/physician if you feel unwell

IF INHALED: **If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician if you feel unwell.**

Advice to Doctor: **Treat patient for acute exposure to material with corrosive and toxic effects.**

IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician.

5. Fire-fighting measures

In Case of fire: **This product is neither flammable nor combustible.**
Containers subject to the heat of a prolonged fire may explode or erupt scattering contents. Where possible remove drums and containers from the path of a fire, or cool with water spray.

Special protective equipment: **Fire fighters and others exposed: wear self-contained breathing apparatus SCBA and chemical resistant suits.**

Further information: **Fire-fighters may use fog (preferred) or water spray (not jet), foam, Co2 or dry powder to extinguish a fire in the vicinity.**

6. Accidental release measures

Methods for cleaning up: **Contain from local drainage and Collect Spillage. Sweep up spills. Spills can produce a slippery surface. Minor spills (up to 20 litres) should be diluted with water, neutralised where possible and removed with mops, absorbed with mineral sponge, dry rags, sand, and soil. Dispose of material in accordance with the local and national regulations.**

Additional information: **Avoid contamination with oxidising substances.**

7. Handling and storage

Handling:	<p>Wash contaminated clothing before reuse. Use only outdoors or in a well-ventilated area. In case of inadequate ventilation wear respiratory protection. Do not breathe fumes/mist/vapours/spray. Wear protective gloves/protective clothing/eye protection/face protection. Do not eat, drink or smoke when using this product. Wash dirtied skin thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace.</p>
Storage:	<p>Store drums with secure caps in sites where they can be kept cool, dry and away from heat sources. Avoid release to the environment. Collect Spillage.</p>

8. Exposure controls and personal protection

Exposure controls:	No data is available for Dryden Mould & Lichen Killer.
Eye Protection:	Safety glasses.
Protective clothing:	Chemically impregnable gloves, work shoes, protective (apron or overalls).
Respiratory Protection:	In case of inadequate ventilation wear respiratory protection. These operations should be carried out by trained personnel only.
Ventilation:	Where spraying or vaporising is being carried out, ensure there is ready access to eye wash units and safety shower.

Also ensure adequate ventilation is being provided in the workplace.

9. Physical and chemical properties

Form:	Liquid	Colour:	Clear uncoloured liquid
Odour:	None	Viscosity:	Not Applicable
Specific Gravity:	1.00 ± 0.01		
Relative Foam:	Medium		
Refractive Index:	1.353 ± 0.005		13½Bx
Flash point:	Not Applicable		
Ignition temperature:	Not Applicable		
Solubility in water:	Completely in all proportions		
pH:	10.5 ± 0.5		

10. Stability and reactivity

Hazardous reactions:	<p>Avoid contamination with oxidising substances. Hazardous polymerisation will not occur. Combustion of this product will release oxides of carbon and nitrogen.</p>
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11. Toxicological information

No data is available for Dryden Mould & Lichen Killer.	
For Benzalkonium chloride:	<p>LD50 Rat 1420 mg/kg LD50 mouse 150 mg/kg</p>

12. Ecological information

No data is available for Dryden Mould & Lichen Killer.	
For Benzalkonium chloride:	<p>LC50 flathead minnow 0.28 mg/l 96 hr exposure EC50 daphnia magna 0.0006 mg/l 48 hr exposure</p>

13. Disposal considerations

Disposal of product:	Dispose of waste or spilt material via an authorised person/licensed waste disposal contractor in accordance with local regulations. Dispose of product and container responsibly and carefully. Do not dispose of near waterways, down drains or into soil.
Disposal of packaging:	Clean containers should not be recycled.

14. Transport information



NZ Land Transport Rule 2005
 UN Number
 Dangerous Goods Class
 Proper Shipping Name
 Hazchem Group
 Packing Group



Classified as Dangerous goods for Land Transport in New Zealand
 1903
 8
 Disinfectant liquid, corrosive, NOS (benzalkonium chloride)
 2R
 III

15. Other Information

Alignment to HSNO requirements:

This MSDS summaries to our best knowledge at the date of issue, the chemical health and safety hazards of the material and general guidance on how to safely handle the material in the workplace. Since Dryden Distribution Ltd cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, assess and control the risks arising from its use of the material. If clarification or further information is needed, the user should contact Dryden Distribution Ltd at the contact details on page 1.

The data given here is based on current knowledge and experience. The purpose of this Safety Data Sheet is to describe the products in terms of their safety requirements. The data does not signify any warranty with regard to the products' properties and does not create any legal contract.

End of Safety Data Sheet