

BIOSYMPH LIMITED

MATERIAL SAFETY DATA SHEET

Section 1. Identification of the material and the supplier

Product: Moss and Mold Killer
 Product Use: For the removal of lichen, moss, mould and algae from exterior surfaces
 New Zealand Manufacturer: Biosymph Limited
 Address: 2287 Kakaramaea Road
 RD10 Whatawhata 3290
 Hamilton

Telephone: +64 (0)7 829 8606 or +64 (0)22 607 6400 (mob)
 eMail: admin@biosymph.co.nz

Emergency Telephone: 0800 76 47 66 (NZ Poisons & Hazardous Chemicals Centre)

Date of MSDS Preparation: 15 October 2026 version 1.0

Section 2. Hazards Identification

This substance is hazardous according to the HSNO (Minimum Degrees of Hazard) Regulations 2001. This substance is not classified as a dangerous good for Land Transport in New Zealand according to NZS5433: 2012.

EPA Approval Code: Cleaning Products (subsidiary hazard) – HSR002530

Pictograms

NONE ALLOCATED

HSNO Classification	Hazard Code	GHS Category	Hazard Statement
6.3B	H316	Category 3	Causes mild skin irritation

Prevention Code	Prevention Statement
P103	Read label or visit our website www.biosymph.co.nz before use

Response Code	Response Statement
P332+313	If skin irritation occurs: Get medical advice

Storage Code	Storage Statement
	None allocated

Disposal Code	Disposal Statement
P501	Dispose as per local regulations

Section 3. Composition / Information on Ingredients

Ingredients	Wt%	CAS NUMBER.
Benzyl-C12-16-alkyldimethyl, chlorides	<10	68424-85-1
Water	>70	7732-18-5
Non-hazardous ingredients	To balance	Not applicable

Section 4. First Aid Measures

Recommended on-site emergency facilities: Ready access to running water, an eyewash station, an emergency shower and hand-wash facilities.

Routes of Exposure:

If in Eyes	Rinse for at least 15 minutes, lifting eyelids. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical assistance if needed.
If on Skin	Wash skin with water. Seek medical assistance if needed.
If Swallowed	Never give liquid to a person showing signs of reduced awareness or becoming unconscious. Seek medical assistance if needed or contact the Poisons Information Centre.
If Inhaled	Remove patient to fresh air. If breathing becomes difficult, get medical attention.

Section 5. Fire Fighting Measures

Hazard Type	Non-flammable
Suitable Extinguishing media	Dry chemical powder, foam, fog sprays and water jets
Fire / Explosion Hazard	Toxic organic vapours, amines, oxides of carbon, nitrogen and hydrogen chloride
Precautions for firefighters and special protective clothing	Self-contained breathing apparatus. Safety boots, fire retardant overalls, gloves, hat and eye protection.
HAZCHEM Code	None allocated

Section 6. Accidental Release Measures

Minor Spills:	Wear protective equipment to prevent skin, eye and respiratory exposure. Contain using sand, earth or vermiculite.
Major Spills:	Prevent by whatever means possible any spillage from entering drains, sewers or waterways (if this occurs, contact your regional council immediately). Clear area of unprotected personnel. Use absorbent (soil, sand or other inert material). Rags are not recommended for the clean-up of spills, as they may create a fire or environmental hazard. Mop up and collect recoverable material into labelled containers for recycling or salvage. Recycle containers wherever possible. This material may be suitable for approved landfill. Dispose of only in accordance with all regulations.

Section 7. Handling and Storage

Approved Handlers: Not required.

Precautions for safe handling and storage for bulk quantities:

- Keep out of reach of children.
- Wash hands thoroughly after handling.

Section 8 Exposure Controls / Personal Protection

Engineering Controls: Exposure can be reduced by process modification, use of local exhaust ventilation, capturing substances at the source, or other methods. If you believe airborne concentrations of mists, dusts or vapours are high, you are advised to modify processes or increase ventilation.

Personal Protective Equipment:

Eyes:	Protect eyes with goggles or safety glasses. Avoid wearing contact lenses.
Skin:	Avoid repeated or prolonged skin contact. Wear overalls, rubber boots and impervious gloves. Remove protective clothing and wash exposed areas with water prior to eating or drinking.

Section 9	Physical and Chemical Properties
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Physical State:	liquid
Colour:	light blue
Odour:	characteristic odour
pH as supplied:	7 – 9
Solubility:	soluble in water
Boiling point:	approx. 100°C
Evaporation Rate:	not available
Freezing Point:	not available
Specific Gravity:	approx. 1.0 at 15.5°C
Vapour Pressure:	not available

Section 10.	Stability and Reactivity
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Chemical Stability	Stable under normal storage conditions.
Conditions to Avoid	Containers should be kept closed in order to avoid contamination. Keep from extreme heat and open flames. Do not store near combustible materials.
Incompatibility	Strong oxidizing agents.
Hazardous Decomposition Products	Carbon oxides (CO, CO ₂), nitrogen oxides (NO, NO ₂ ...), ammonia, hydrogen chloride (HCl).

Section 11	Toxicological Information
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Summary

No specific data is available for this product. Toxicological data has been evaluated / calculated for the mixture. The product is considered to have the following potential health effects: contact with skin may result in mild irritation.

Supporting Data

Acute Oral Toxicity	No data
Acute Dermal Toxicity	No data
Acute Inhalation Toxicity	No data
Eye	No data
Skin	The mixture is considered to be a mild skin irritant based on tested mixtures at similar concentrations (benzyl-C12-16-alkyldimethylammonium chloride, >1 – 10% in a non-hazardous diluent). HSNO CCID.
Chronic – Sensitisation	No data
Chronic – Mutagenicity	No data
Chronic – Carcinogenicity	No data
Chronic – Reproductive / developmental	No data
Chronic – Systemic	No data
Aggravation of existing conditions	None known

Section 12. Ecotoxicological Information

Summary: No specific data is available for this product.

Aquatic	No data
Bioaccumulation	No data
Degradability	No data
Soil	No data
Terrestrial vertebrate	No data
Terrestrial invertebrate	No data

Environmental Protection: Avoid contaminating waterways. Do not discharge the product into drains or sewers.

Section 13. Disposal Considerations

Rinse containers well with water before disposal. Preferably recycle the container, otherwise send to an authorised landfill or similar.

Section 14 Transport Information

Not regulated for transport of dangerous goods: UN, IATA, IMDG.

Section 15 Regulatory Information

EPA Approval Code: Cleaning Products (subsidiary hazard) – HSR002530

HSNO Controls – trigger quantities for this substance:

Approved Handler:	Not required
Location Certificate:	Not required
Tracking Trigger Quantities:	Not applicable
Signage Trigger Quantities:	Not required
Emergency Response Plan Trigger Quantities:	Not required

Section 16 Other Information

SDS Version Number:	1.0
SDS Effective Date:	15 October 2026
SDS Review Date:	15 October 2031
SDS Regulation:	The content and format of this SDS is in accordance with HSNO Approved Code of Practice (No. HSNO COP 8-1 09-06): Preparation of Safety Data Sheets.

Abbreviations:

CAS No	Chemical Abstracts Service Number
EPA	Environmental Protection Authority
GHS	Globally Harmonized System of Classification and Labelling of Chemicals
HSNO	Hazardous Substances and New Organisms

Disclaimer:

This document has been compiled by Biosymph Limited and serves as the manufacturer's Material Safety Data Sheet ('MSDS'). It is based on information concerning the product which has been provided from third party sources and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. The information sourced for the preparation of this document was correct and complete at the time of writing to the best of the writer's knowledge. The document represents the commitment to the company's responsibilities surrounding the supply of this product, undertaken in good faith. While Biosymph Ltd has taken all due care to include accurate and up-to-date information in this MSDS, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, Biosymph Ltd accepts no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this MSDS. The information herein is given in good faith, but no warranty, express or implied is made.

This document should be taken as a safety guide for the product and its recommended uses, but is in no way an absolute authority.

Please consult the relevant legislation and regulations governing the use and storage of this type of product.

For further information, please contact Biosymph Ltd.

END OF MATERIAL SAFETY DATA SHEET