

Section 1: Identification of the Substance and the Supplier.

Product Name: **Bio-Zyme Cleaner**
Recommended use: Enzyme based deodoriser, cleaner and sanitiser
Company details: Bio-Zyme NZ Ltd
Address: 12 Wigram Close, Sockburn
PO Box 323, Christchurch 8140
Telephone number: 0800 24 69 96
Email: office@bio-zyme.co.nz
Emergency Phone No: 0800 243 622 (0800 CHEMCALL) for out of hours advice

Section 2: Hazards identification

Road and Rail Transport: Not Classified as a Dangerous Good under NZS 5433
(Transport of Dangerous Goods on Land)

Not classified as a hazardous according to the criteria of the New Zealand Hazardous Substances and New Organisms act.

SIGNAL WORD: Warning

HSNO classifications:	GHS classifications:
6.3 A	Skin irritation Category 2
6.4 A	Eye irritation Category 2

EPA NZ Approval: HSR 002530 Cleaning Products (Subsidiary) Group Standard



Hazard Statement(s):

H317 – May cause an allergic skin reaction.

H320 – Causes eye irritation.

Precautionary Statements

Prevention:

P103 – Read label before use.

P264 – Wash hands thoroughly after handling.

P280 – Wear protective gloves/ eye protection.

Response:

P302+P352 – IF ON SKIN: Wash with plenty of 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.

P321 – Specific treatment: None specified.

P337+P313 – If eye irritation persists: Get medical advice/attention.

Disposal:

P501 Dispose of contents and container in accordance with relevant legislation.

For additional information see section 13 of this SDS.

Section 3: Information on Ingredients

Components	CAS Number	Proportion
Non-Ionic Surfactant	68439-46-3	0-5 % w/w
Lactic Acid	79-33-4	0-5 % w/w
Citric Acid	77-92-9	0-5 % w/w
Lemon Fragrance	-	0-1 % w/w
Non Hazardous ingredients incl water	-	Balance to 100%

Section 4: First Aid Measures

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

First Aid: Call a Doctor or National Poisons Centre 0800 POISON (0800 764 766) following first aid treatment.

Skin Contact: Rinse skin with plenty of water. Remove contaminated clothing and wash before re-use. If skin irritation or rash occurs get medical advice

Eye Contact: Rinse with water for several minutes, remove contact lenses if present and easy to do, continue rinsing.
Call a POISON CENTRE or doctor for advice.

Ingestion: Rinse mouth, do **NOT** induce vomiting.
IMMEDIATELY call a POISONS CENTRE or doctor.

Inhalation: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing.

Medical attention and special treatment: Treat symptomatically

Section 5: Fire Fighting Measures

Hazards from combustion products: Normally stable. Under extreme heat organic vapours of carbon, nitrogen and sulphur may evolve.

Precautions for fire fighters and special protective equipment: Wear protective firefighting clothing (includes firefighting helmet, coat, trousers boots and gloves).

Wear a positive-pressure self-contained breathing apparatus (SCBA) especially when in confined spaces.

Suitable extinguishing media: All means of extinguishing are acceptable.

Hazchem: N/A

Section 6: Accidental Release Methods

Personal Protective Equipment advice is contained in Section 8 of this SDS.

Method and materials for containment and clean up: Contain spill with sand or other absorbent material and transfer to plastic drums for approved disposal. Wash away small spills with water. Avoid contamination of waterways

Section 7: Handling and Storage

Personal Protective Equipment advice is contained in Section 8 of this SDS.

Precautions for safe handling: Normal work and hygiene practices for handling non-hazardous liquid material. Avoid contact with eyes.

Wear protective gloves with prolonged use.

Conditions for safe storage: Store in suitable label containers. Keep out of reach of children.

Section 8: Exposure controls/Personal protection

Workplace Exposure guidelines: No official guidelines. Minimise exposure by good ventilation. Consider use of respirator if working in confined or unventilated spaces

Ventilation specification: Minimise exposure by good ventilation. Consider use of respirator if working in confined or unventilated spaces.

Personal Protective equipment: Wear protective gloves, eye protection and safety footwear.

Section 9: Physical and Chemical Properties

PHYSICAL PROPERTIES

PROPERTY	VALUE
State:	Liquid
Colour:	Dark green
Odour:	Lemon
Odour threshold:	Not applicable
Freezing point:	No data available
Melting range:	No data available
Boiling range:	No data available
Solubility in water:	100%
Evaporation rate:	No data available

Specific gravity:	1.045 @ 20°C
pH:	3.5 approx
Flash point:	Not applicable
Flammability:	non flammable
Upper/lower flammability limits:	Not applicable
Auto ignition temperature:	Not applicable
Vapour pressure:	No data available
Vapour density:	No data available
Decomposition temperature:	No data available
Viscosity:	No data available
Partition coefficient: n-octanol/water	No data available

Section 10: Stability and Reactivity

Chemical Stability:	Product is stable under normal conditions of use, storage and temperature.
Conditions to avoid:	Avoid excessive heat, direct sunlight, and temperature extremes.
Material to avoid:	None known.
Hazardous decomposition products:	None known.
Hazardous reactions:	Under extreme heat oxides of carbon and nitrogen may evolve.

Section 11: Toxicological Information

No adverse health effects expected if the chemical is handled in accordance with the Safety Data Sheet and Chemical label. Symptoms or effects that may arise if the chemical is mishandled and over exposure occurs are:

Ingestion:	If swallowed, may cause irritation to throat, oesophagus and stomach, with symptoms of nausea, abdominal discomfort, vomiting and diarrhoea.
Eye contact:	Irritant. On eye contact may cause tearing, blurred vision and redness.
Skin contact:	With prolonged skin contact may cause irritation, itching and redness.
Inhalation:	Not consist a hazard under normal conditions of use.

Long term effects: Not consist a hazard under normal conditions of use.

Acute toxicity:	No known significant effects or critical hazards.
Skin irritation/Corrosion:	May cause skin irritation.
Serious eye: Damage/irritation:	May causes eye irritation.
Respiratory or Skin sensitisation:	May cause an allergic skin reaction with prolonged exposure.
Mutagenicity:	X
Caringenicity:	X
Reproductivity:	X
STOT – Single exposure:	X
STOT – Repeated exposure:	X
Aspiration Hazard:	X
Narcotic effect:	X
X=	Data either not available or does not fill the criteria for classification.

Section 12: Ecological information

Ecotoxicity: Not considered to be a hazard in the environment, but must be used as per manufacturers instruction

Biocumulative & degradability Readily biodegradable.

Mobility in soils: No data available

Bioaccumulation: No known or significant effects or critical hazards.

Other adverse effects: No known or significant effects or critical hazards.

Section 13: Disposal considerations

Product:

Recycle if possible.
Dispose spent solution to sewer.
Avoid contamination of waterways.

Packaging:

Recycle if possible. All containers are recyclable
Packaging if not recycled should be rendered incapable of containing any material. and taken to an authorised landfill.

Section 14: Transport information

Road and Rail Transport: Not Classified as a Dangerous Good under NZS 5433
(Transport of Dangerous Goods on Land)

Marine, Air Transport: Similar listing as for Road and Rail Transport apply

Section 15: Regulatory Information

Not classified as a hazardous according to the criteria of the New Zealand Hazardous Substances and New Organisms act 2020.

EPA NZ Approval: HSR 002530 Cleaning Products (Subsidiary) Group Standard 2020

MPI Approved all animal products except dairy C32

MPI Approved for use in farm dairies. "but not in processing equipment"

MPI Recognised for use in dairy processing. "but not in processing equipment"

BioGro Organic certification: Certified Input for Organics #4839

Section 16: Other information

Disclaimer: This SDS summarises our best knowledge at the date of issue, the chemical health and safety limits of the material and general guidance on how to safely handle the material in the workplace. Since Bio-Zyme NZ 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 required, the user should contact Bio-Zyme NZ Ltd

24 May 2022

Bio-Zyme NZ Ltd
PO Box 323
Christchurch

Trade Name: Bio-Zyme Cleaner
Description: Cleaner Sanitiser
Code: C 32

Approvals:

This compound is approved for use in premises processing all animal product except dairy, operating under the Animal products Act regime.

This approval is under the following regulations and notices, subject to the conditions stated in this approval:

1. Regulation 11(4)(b) of the Animal Products Regulations 2000 and Regulation 18(4)(b) of the Animal Products (Regulated Control Scheme – Limited Processing Fishing Vessels) Regulations 2001
2. Clause 4(1) of Animal Products (Specifications for Limited Processing Fishing Vessels) Notice 2005, Part 1 Clause 1.2 of the Animal Products Notice: Specifications for Products Intended for Human Consumption issued 2016, and Part 1, Clause 1.2 of the Animal Products Notice: Specifications for Products intended for Animal Consumption, issued 2017.

Conditions:

1. This may not be used in edible areas.
2. The perfume must not be used to mask the odours of unsanitary conditions.
3. This compound must be used in a manner that prevents the perfume invading any edible area.

This approval may be withdrawn at any time due to unapproved directions for use, or unsatisfactory performance, or any change in product formulation. The Ministry for Primary Industries (New Zealand Food Safety) must be notified if the holder of this approval wishes to transfer their products to another entity.

The product must be used in accordance with the manufacturer's instructions and specifications. The label may include a statement to the effect that the product is approved for use in premises registered under the Animal Products Act regime. Any statements made, however, must include the approval code and must be limited to the following unless otherwise specified:

MPI Approved C 32 (All animal product except dairy)

Note: Former NZFSA statements must be removed from your labels.

This approval must not be used as a Ministry for Primary Industries (MPI) endorsement of any claim made for the product by the manufacturer.

This approval will remain valid until 24 May 2027 unless the approval is revoked by notice in writing at an earlier stage.

Any queries regarding this approval should be directed to MPI Approvals by either telephone on 04 894 2550 or by e-mail at approvals@mpi.govt.nz.

Yours sincerely,



Maree Zinzley
Manager Approvals
Regulatory Systems & Support

Ministry for Primary Industries
Manatū Ahu Matua



Date: 24 May 2022

Official Receipt G.S.T. 64-558-838

Received from: **Bio-Zyme NZ Ltd**

Maintenance compound approval fee for: **Bio-Zyme Cleaner**

Sum of **\$77.63**

New Zealand Food Safety

Haumaru Kai Aotearoa

04/02/2022

Trevor Proffit
Bio-Zyme NZ Limited
PO BOX 323
Christchurch 8140

Dear Trevor,

APPROVAL OF DAIRY MAINTENANCE COMPOUND

The product **Bio-Zyme Cleaner** has been considered in conjunction with the independent assessment reports provided and determined to satisfy the requirements of regulation 30(3) of the Animal Products (Dairy) Regulations 2005 and regulation 43 of the Raw Milk for Sale Consumers Regulations 2015, when used in accordance with the label.

This approval of the compound is subject to the following conditions:

1. For use in external areas only.
2. Not for use on milk transport tanks or silos and tanks for the storage of milk, food or ingredients.

Where this **approval** is stated on the product label, the statement "MPI approved for use in farm dairies" is to be used unless an alternative is agreed in writing by MPI.

Should this product be determined to be unsatisfactory when used as per the label or as per any recommendation provided by the manufacturer or an agent of the manufacturer, MPI may amend or withdraw this approval.

Review

This approval is valid for a maximum period of 5 years but is subject to periodic review and may be withdrawn at any time should the Director-General determine that there is sufficient evidence that the products are not fit for the purpose for which this approval applies. You will be issued a letter prior to the review date, which is set at **4 February 2027**, but you are responsible for ensuring that this review is completed if you wish to retain MPI approval of the above dairy maintenance compound.

Yours faithfully



Maree Zinzley
Manager Approvals
Acting under delegated authority
Ministry for Primary Industries



New Zealand Food Safety

Haumaru Kai Aotearoa

30 September 2021

Trevor Proffit
Bio-Zyme NZ Limited
P. O. Box 323
Christchurch 8140
New Zealand

Dear Trevor,

RECOGNITION OF DAIRY MAINTENANCE COMPOUND

The product **Bio-Zyme Cleaner** has been considered in conjunction with the independent assessment reports provided and determined to satisfy the requirements of regulation 30(3) of the Animal Products (Dairy) Regulations 2005 and regulation 43 of the Raw Milk for Sale Consumers Regulations 2015, when used in accordance with the label.

This recognition of the compound is subject to the following conditions:

1. For use in external areas only
2. Not for use near air intake/ventilation to processing areas
3. Not for use on milk transport tanks or silos and tanks for the storage of milk, food or ingredients.

Where this **recognition** is stated on the product label, the statement "MPI recognised for use in dairy processing" is to be used unless an alternative is agreed in writing by MPI.

Should this product be determined to be unsatisfactory when used as per the label or as per any recommendation provided by the manufacturer or an agent of the manufacturer, MPI may amend or withdraw this recognition.

Review

This recognition is valid for a maximum period of 5 years but is subject to periodic review and may be withdrawn at any time should the Director-General determine that there is sufficient evidence that the products are not fit for the purpose for which this recognition applies. You will be issued a letter prior to the review date, which is set at **30 September 2026**, but you are responsible for ensuring that this review is completed if you wish to retain MPI recognition of the above dairy maintenance compound.

Yours faithfully



Maree Zinzley
Manager Approvals
Acting under delegated authority
Ministry for Primary Industries





BioGro New Zealand

Certificate of Compliance

This certificate confirms that the company and operations listed below are certified by BioGro.

Company: **Bio-Zyme NZ Ltd**
12 Wigram Close
Christchurch 8025
New Zealand

BioGro Number: **4839**
First Certified From: **28/08/2006**
Date of Issue: **08/05/2023**

#	Operation Name	Operation Facility/Address	Scope of Certification(s)	Inputs
1	Bio-Zyme NZ Ltd - 1 - Bio-Zyme NZ Ltd	12 Wigram Close, Christchurch 8025, New Zealand	Input Program	Annex A

Certification Valid From: **01/08/2023**
Anniversary Date / Certificate Valid To: **31/07/2024**
Renewal Due: **4 Months** Before Expiry

Director: **Donald Nordeng**

The above named licensee is licensed to apply or direct the application of the BioGro Certification trademark provided the product has been produced in accordance with the BioGro Organic Standards by the licensee or under the licensee's supervision at the location named in this certificate. While all due care and skill was exercised in carrying out this assessment, BioGro New Zealand Ltd accepts responsibility only for proven gross negligence. This is not a legal document and cannot be used as such. This certificate remains the property of BioGro New Zealand Ltd to whom it must be returned if required.

Issuing Office:

BioGro New Zealand Ltd
Digital Nomad
6 Herd Street
Clyde Quay Wharf
Wellington 6011
New Zealand

Tel +64 4 801 9741

Email: info@biogro.co.nz
www.biogro.co.nz





BioGro New Zealand Annex A

Inputs Certification Programme

BioGro Number: **4839**

Annex to BioGro
Certificate Number:

4839 Bio-Zyme NZ Ltd
CO1 Input Certificate
23-24 V1

This Annex lists the products and services enrolled in BioGro's Input Certification Programme as compliant for use in organic production or food processing and handling under the standards and/or market access programmes as indicated below. This Annex is only valid when used in conjunction with the BioGro New Zealand Certificate of Compliance.

1 Bio-Zyme NZ Ltd - 1 - Bio-Zyme NZ Ltd

Category	Brand Name	Status	BioGro Organic	IFOAM	MPI OOAP EU	MPI OOAP GB	MPI OOAP Switzerland	MPI OOAP Taiwan	MPI OOAP China	USDA NOP	JAS	Restriction
Facility Management	Bio-Zyme Cleaner	R	✓	✓	✓	✓	✓	✓	✓	✓	✓	Surfaces require an intervening event prior to contact with certified product
Facility Management	Bio-Zyme Industrial	R	✓	✓	✓	✓	✓	✓	✓	✓	✓	Surfaces require an intervening event prior to contact with certified product
Facility Management	Bio-Zyme Multi-purpose	R	✓	✓	✓	✓	✓	✓	✓	✓	✓	Surfaces require an intervening event prior to contact with certified product

Notes:

Status P: permitted input; can be used without any restrictions and without having to prove need to BioGro.

Status R: restricted input; can only be used under the specific conditions (restrictions) listed and proven need must be approved by BioGro.

IFOAM: accredited by IOAS (International Organic Accredited Service).

MPI OOAP - EU - Ministry for Primary Industries Official Organic Assurance Programme for exports to Europe (EU) in accordance to Article 7 of Regulation (EC) No 1235/2008.

MPI OOAP - GB: exporting to GB under the equivalency.

MPI OOAP - Switzerland: exporting to Switzerland under the equivalency.

MPI OOAP - Taiwan: exporting to Taiwan under the equivalency.

MPI OOAP - China: exporting to China under the equivalency.

MPI OOAP - USDA NOP: Certified to the USDA organic regulations, 7CFR Part 205

JAS – Japanese Agricultural Standard Organic Law

ENVIRONMENTAL CHOICE NEW ZEALAND LICENCE



30 YEARS

Cert.TM



Scan here for a complete
list of licensed products.

THIS IS TO CERTIFY THAT

Has products that have been assessed by The New Zealand Ecolabelling Trust which have been found to comply with the requirements of the Environmental Choice Specification

The licence holder is hereby licensed to use the Environmental Choice New Zealand label in accordance with the requirements of the specification, the licence conditions and the regulations governing the use of the certification trade mark.

LICENCE NUMBER

CHAIRPERSON

VALID UNTIL

CHIEF EXECUTIVE OFFICER

The Environmental Choice New Zealand programme is operated by The New Zealand Ecolabelling Trust by agreement with the New Zealand Government.