



YOUR NEW ZEALAND MANUFACTURED ORGANIC SOLUTION
TO A CLEAN GREEN ENVIRONMENT

Bio-Zyme Industrial

Enzyme based Deodoriser - Degreaser

An environmentally-preferable cleaner, deodoriser and degreaser, **Bio-Zyme Industrial** is a non-toxic and readily biodegradable agent, which augments biological action.

Bio-Zyme Industrial works to eliminate odours by breaking down the molecular structure of the host environment, digests contaminants and speeds up the natural biodegrading process.

Bio-Zyme Industrial includes natural enzymes that break down oils and greases in holding ponds, wastewater treatment systems, grease traps, toilets, drains etc., making it easier for nature's bacteria to consume any organic waste matter and at the same time eliminating any odours.

Where to use

- Grease Traps
- Grease Converters
- Wastewater Treatment Systems
- Septic Tanks
- Waste Drains / Effluent Ponds
- Spills

Features & Benefits

- Fully neutralises contaminants as a biodegradable cleaner
- Proven to break down oil, grease, bods, cods, suspended solids and fatty acids from all surfaces and drains (degreaser)
- Eliminates odours
- Environmentally-preferable
Eco Choice Aotearoa Licensed
- Cost effective
- Enhances and conditions wastewater treatment systems
- Trials/Case Studies available on request

Technical Data

- Eco Choice Aotearoa Licensed
- BioGro Certified
- MPI Approval C32
- Approved by NZ's leading Wastewater Treatment manufacturers
- Deodoriser / Degreaser
- Approved by the Wellington Region City Councils and Endorsed by other Councils throughout NZ
- Trade Waste Compliance
*contact Bio-Zyme for the Pre-Treatment Compliance Record

Safety

- Do not swallow
- Keep out of reach of children
- Avoid contact with eyes
- If eye contact occurs wash out with potable water



Available in 1L, 5L,
20L, 200L, 1000L

Bio-Zyme NZ Ltd

88 Treffers Road, Wigram - Christchurch
0800 246 9963 | info@bio-zyme.co.nz | www.bio-zyme.co.nz



MPI Approved C32
MPI Approved Cleaner
MPI Dairy Approved and Recognised
Dispensers not included in any accreditations

Section 1: Identification of the Substance and the Supplier.

Product Name: **Bio-Zyme Industrial**

Recommended use: For use in grease traps and converters, septic tanks, waste water ponds and plumbing. Also works as a deodouriser.

Company details: Bio-Zyme NZ Ltd

Address: 12 Wigram Close, Sockburn
PO Box 323, Christchurch 8140

Telephone number: 0800 24 69 96

Email: office@biozyme.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 B	May cause skin irritation
6.4 A	Eye irritation Category 2



Hazard Statement(s):

H316 – Causes mild skin irritation.
H320 – Causes eye irritation.

Precautionary Statements

Prevention:

P103 – Read label before use.
P264 – Wash hands thoroughly after handling.

Response:

P305+P351+P338 – IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

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

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

P332+P313 – If skin irritation occurs: 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	1-5 % w/w
Lactic Acid	79-33-4	0-5 % w/w
Pine Oil	98-55-5	0-5 % 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 oxides 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 or likely to come into prolonged contact with the product.

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

Section 8: Exposure controls/Personal protection

Workplace Exposure 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 brown
Odour:	Pine fragrance
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:	1.02 @ 20°C
pH:	4.0 approx
Flash point:	Not applicable
Flammability:	Not applicable- 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, nitrogen and sulphur 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:	X
Serious eye: Damage/irritation:	X
Respiratory or Skin sensitisation:	X
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.

Ingestion toxicity:

ENDPOINT: LD50

VALUE: >5000 mg/kg

REFERENCE: Calculated based on component chemicals using mixture rules set out in the following:

<http://www.ermanz.govt.nz/resources/publications/pdfs/Assigning%20a%20Hazardous%20Substance%20to%20a%20Group%20Standard.pdf>

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.
Puncture containers to prevent reuse and take 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: HSR002530. Cleaning products (subsidiary hazard) Group Standard 2020

MPI Approved (all animal products except dairy) C32

BioGro Organic certification: Certified Input for Organics #4839

Eco Choice Aotearoa: EC-58-19 Detergent & cleaning products

Section 16: Other information

Abbreviations:

EPA NZ – Environmental Protection Authority, New Zealand

GHS – Globally harmonized system.

MPI – Ministry of Primary Industry

STOT – Specific target organ toxicity.

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 is needed, the user should contact Bio-Zyme NZ Ltd

Reason for revision 7 update: Update to include GHS7classification.

Reason for revision 8 update: General revision.



30 September 2020

Bio-Zyme NZ Ltd
PO Box 323
Christchurch

Trade Name: Bio-Zyme Industrial
Description: Cleaner
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 Branch Planning, Systems & Support Directorate 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 31 October 2025 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
Performance Oversight & Approvals

Ministry for Primary Industries
Manatū Ahu Matua



Date: 30 September 2020

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

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

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

04 June 2024

Andrew Cameron
Bio-Zyme NZ Limited
PO Box 323
Christchurch 8140

Dear Andrew,

APPROVAL OF DAIRY MAINTENANCE COMPOUND FOR USE IN FARM DAIRIES AND FOR USE IN DAIRY PROCESSING

The new product **Bio-Zyme Industrial** has been considered in conjunction with the type of validation information provided and has been determined to satisfy the requirements of regulations 12, 13, 14, 53 and 247 of the Animal Products Regulations 2021 and regulation 43 of the Raw Milk for Sale Consumers Regulations 2015, when used in accordance with the label.

The product **Bio-Zyme Industrial** has been assessed and is approved for use in farm dairies and for use in dairy premises when used in accordance with label instructions.

This approval of the compound for use in farm dairies and dairy processing is subject to the following conditions:

1. To be used in accordance with label instructions.
2. Not for use on milk or food contact surfaces.
3. Must be used in a manner that ensures no contact with food contact surfaces.
4. Surfaces must be rinsed with suitable water after use.
5. Should incidental contact with food contact surfaces occur, surfaces must be cleaned and thoroughly rinsed to ensure no residue remains.

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

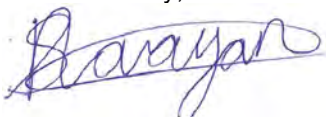
Should this product be determined to be unsatisfactory when used as recommended by the manufacturer or an agent of the manufacturer at the stated dosage, MPI may withdraw this approval.

Should this product be determined to be unsatisfactory when used as recommended by the manufacturer or an agent of the manufacturer at the stated dosage, MPI may withdraw this approval.

Review

This approval of a dairy maintenance compound for use in farm dairies and dairy processing 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 product is 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 **04 June 2029**, 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,



Shaleen Narayan
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: **28/06/2024**

#	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: **01/08/2024**
Anniversary Date / Certificate Valid To: **31/07/2025**
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
Level 1/60 Cuba Street
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
24-25 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	Y	Y	Y	Y	Y	Y	Y	Y	Y	Surfaces require an intervening event prior to contact with certified product
Facility Management	Bio-Zyme Industrial	R	Y	Y	Y	Y	Y	Y	Y	Y	Y	Surfaces require an intervening event prior to contact with certified product
Facility Management	Bio-Zyme Multi-purpose	R	Y	Y	Y	Y	Y	Y	Y	Y	Y	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: Assessed to the USDA organic regulations, 7CFR Part 205

JAS – Japanese Agricultural Standard Organic Law

LICENCE NUMBER: **5819155**

VALID UNTIL: **JULY 2025**



Eco[®]
Choice
Aotearoa

THIS IS TO CERTIFY:

Bio-Zyme New Zealand Limited

HAS PRODUCTS WHICH HAVE BEEN AWARDED THE ECO CHOICE AOTEAROA ECOLABEL

AND IS HEREBY LICENSED TO USE THE ECO CHOICE AOTEAROA LABEL IN ACCORDANCE WITH THE REQUIREMENTS OF THE PRODUCT OR SERVICE SPECIFICATION/S, LICENCE CONDITIONS AND REGULATIONS GOVERNING THE USE OF THE CERTIFICATION TRADEMARK.

CHAIRPERSON
Andy Hill

CHIEF EXECUTIVE
Laura Gemmell

**EC-58-19 DETERGENTS &
CLEANING PRODUCTS**

ECO CHOICE AOTEAROA PROGRAMME
IS OPERATED BY THE NEW ZEALAND
ECOLABELLING TRUST BY AGREEMENT
WITH THE NEW ZEALAND
GOVERNMENT.

