



Bio-Zyme

YOUR NEW ZEALAND MANUFACTURED ORGANIC SOLUTION
TO A CLEAN GREEN ENVIRONMENT

Bio-Zyme Industrial

Enzyme based Deodoriser - Degreaser

An environmentally preferable degreaser, **Bio-Zyme Industrial** is a non-toxic and 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, waste water 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
- 👁 Big Dippers
- 👁 Waste Water 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
ECNZ Licensed
- 👁 Cost effective
- 👁 Enhances and conditions waste water treatment systems

Technical Data

- 👁 Environmental Choice - ECNZ Licensed
- 👁 BioGro Certified
- 👁 MPI Approval cleaner
- 👁 Waste Water Treatment Systems
Preferable
- 👁 Deodorizer

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 1Ltr, 5Ltr,
20Ltr, 200Ltr, 1000Ltr**



MPI Approved C32
MPI Approved Cleaner

Section 1: Identification of the Substance and the Supplier.

Product Name: **Bio-Zyme Industrial**
Recommended use: Enzyme based concentrate
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 5433:2007 (Transport of Dangerous Goods on Land)

SIGNAL WORD: Warning

HSNO classifications: 6.3 B May cause skin irritation
6.4 A Causes eye irritation

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



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.
P332+P313 – If skin irritation occurs: Get medical advice/attention.
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	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

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 self-contained breathing apparatus and protective clothing when in close proximity or in confined spaces.

Suitable extinguishing media: All means of extinguishing are acceptable.

Hazchem: N/A

Section 6: Accidental Release Methods

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

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

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 special handling advice required

Personal Protective equipment: Normal work and hygiene practices for handling non hazardous liquid material

Section 9: Physical and Chemical Properties

Physical state:	Liquid
Colour:	Dark Brown
Odour:	Pine fragrance
Solubility in water:	100%
Specific gravity:	1.01
Flash point (°C):	Not Determined
pH:	Neat; 4.0 approx

Section 10: Stability and Reactivity

Chemical Stability:	Stable under normal conditions
Conditions to avoid:	Heat
Material to avoid:	None known
Hazardous reactions:	None known

Section 11: Toxicological Information

Ingestion:	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/Assigining%20a%20Hazardous%20Substance%20to%20a%20Group%20Standard.pdf
Eye contact:	Irritant
Skin contact:	Irritant
Inhalation:	Not Determined
Long term effects:	Not Determined

Section 12: Ecological information

Ecotoxicity:	Not considered to be a hazard in the environment, but must be used as per manufacturers instruction
Biocumulative:	No
Rapidly Degradable:	Yes

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 5433:2007 (Transport of Dangerous Goods on Land)
Marine, Air Transport:	Similar listing as for Road and Rail Transport apply

Section 15: Regulatory Information

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

MPI Approved (all animal products except dairy) C32

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

Revision History: Version 2.1 created on August 2010.

Updated to version 2.2 on August 2013. Reason for update: Periodical Review

Updated to version 2.3 on May 2018. Reason for update: Section 2, 7 & 8 updated.

Updated to version 2.4 in August 2019. Reason for update Section 3 & 12 updated



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**
C/- Aakland Chemicals
12, Wigram Close, 8025, Sockburn
Christchurch, Canterbury

BioGro Number: **4839**
First Certified From: **28/08/2006**
Date of Issue: **18/06/2021**

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

Certification Valid From: **1/08/2021**
Anniversary Date / Certificate Valid To: **31/07/2022**
Renewal Due: **4 Months** Before Expiry

Director: **Donald Nordeng**

For the purpose of USDA NOP & COR: once certified, a production or handling operation's organic certification continues in effect until surrendered, suspended or revoked

This certificate is issued within the scope of the accreditation for product certification issued by the IOAS. Registration number: 23

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.



<http://www.jas-anz.org/register>

Issuing Office:

BioGro New Zealand Ltd Biz Dojo
115 Tory Street Te Aro
Wellington 6011
New Zealand

Tel +64 4 801 9741
Fax +64 4 801 9742

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





BioGro New Zealand Annex A

Internationally Accredited Programme

BioGro Number:

4839

Annex to BioGro

4839 Bio-Zyme NZ Ltd

Certificate Number:

CO1 21-22

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	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:

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

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

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

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

MPI Technical Rules: Certified to the MPI Technical Rules for Organic Production.

SA Certification Accepted Product: Soil Association Certification Accepted Product.

COR: Canada Organic Regime – CAN. CGSB-32.310-2015 and CAN.CGSB-32.311-2015

BioGro EU: Exporting to Europe (EU) in accordance to the IACB EU standard which is deemed as equivalent to Article 10 of Regulation (EC) No 1235/2008 .

This document has been issued on the basis of Article 29(1) of Regulation (EC) No 834/2007 and of Regulation (EC) No 889/2008. The declared operator has submitted his activities under control, and meets the requirements laid down in the named Regulations. US-Canada Equivalency: Certified to the terms of the US-Canada Organic Equivalency Arrangement. POS: Pacific Organic Standard.



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**

Sum of: **\$77.63**

ENVIRONMENTAL CHOICE NEW ZEALAND LICENCE



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

GENERAL MANAGER



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