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| Section 1: Identification of the Substance and the Supplier. |
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Product Name: **Bio-Zyme Multi-Purpose**

Recommended use: Enzyme based deodoriser and cleaner

Company details: Bio-Zyme NZ Ltd

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

Telephone number: 0800 24 69 96

Email: biozymewgtn@hotmail.com

Emergency Phone No: 0800 243 622 (0800 CHEMCALL) for out of hours advice

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| Section 2: Hazards identification |
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HSNO classifications: 6.3 B Causes skin irritation
6.4 A Causes eye irritation

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| Section 3: Information on Ingredients |
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| Components | CAS Number | Proportion |
|--------------------------------------|------------|-----------------|
| Non-Ionic Surfactant | 68439-46-3 | 5 % w/w |
| Lactic Acid | 79-33-4 | 0-5 % w/w |
| Citric Acid | 77-92-9 | 0-5 % w/w |
| Urea | 57-13-6 | 0-5 % w/w |
| Non Hazardous ingredients incl water | - | Balance to 100% |

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| Section 4: First Aid Measures |
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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: Wear protective gloves with prolonged use.

Conditions for safe storage: 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 and eye protection

Section 9: Physical and Chemical Properties

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

Section 10: Stability and Reactivity

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

Section 11: Toxicological Information

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|---------------------------|---|
| 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

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|----------------------------|----------------|
| Ecotoxicity: | Not Determined |
| Biocumulative: | No |
| Rapidly Degradable: | Yes |

Section 13: Disposal considerations

Disposal methods: Dispose of the product and packaging at an approved landfill or other approved facility. Avoid contamination of waterways. Do not use container for any other purpose.

Section 14: Transport information

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|---------------------------------|---|
| 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

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

NZFSA Approved (all animal products except dairy) C38

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 March 2010

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



28 September 2009

Bio-Zyme NZ Ltd
PO Box 323
Christchurch

Trade Name: Bio-Zyme Multi Purpose
Description: Cleaner
Code: C 38

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 the Animal Products (Specifications for Limited Processing Fishing Vessels) Notice 2005, Clause 3(1) of the Animal Products (Specifications for Products Intended for Human Consumption) Notice 2004, clause 4(1) of the Animal Products (Specifications for Products Intended for Animal Consumption) Notice 2006

Conditions:

1. This may be used for cleaning large processing rooms provided the room can be divided into distinct areas, no edible product or packaging material is present in the area during cleaning and there can be no possibility of contamination of product or packaging material as a result of cleaning.
2. As a general cleaner in all other instances, all edible product and packaging material must be removed from the room before cleaning starts.
3. After using this compound, food contact surfaces must be thoroughly rinsed with potable water before production starts.

This approval may be withdrawn at any time due to unapproved directions for use, or unsatisfactory performance, or any change in product formulation or manufacturer.

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:

NZFA Approved C 38(All animal product except dairy)

This approval must not be used as a Ministry of Agriculture and Forestry (MAF) or New Zealand Food Safety Authority (NZFSA) endorsement of any claim made for the product by the manufacturer.

This approval will remain valid until 31 October 2014 unless the approval is revoked by notice in writing at an earlier stage.

Any queries regarding this approval should, in the first instance, be directed to the Approvals and ACVM Group at the telephone number given in this letter

A handwritten signature in black ink, appearing to read 'Maree Zinzley', is positioned above the printed name.

Maree Zinzley
Programme Manager (Operations)
Approvals & ACVM Group



29 October 2014

Bio-Zyme NZ Ltd
PO Box 323
Christchurch

Trade Name: Bio-Zyme Multi Purpose
Description: Cleaner
Code: C 38

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:

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Conditions:

1. This may be used for cleaning large processing rooms provided the room can be divided into distinct areas, no edible product or packaging material is present in the area during cleaning and there can be no possibility of contamination of product or packaging material as a result of cleaning.
2. As a general cleaner in all other instances, all edible product and packaging material must be removed from the room before cleaning starts.
3. After using this compound, food contact surfaces must be thoroughly rinsed with potable water before production starts.

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 38(All animal product except dairy)

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 2019 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 Operations
Ministry for Primary Industries

Ministry for Primary Industries
Manatū Ahu Matua



Date: 29/10/2014

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

Received from: Bio-Zyme NZ Ltd

Maintenance compound approval fee for: **Bio-Zyme Multi Purpose**

Sum of: \$ 76.02

MPI General Ledger Code: 100415 1640 2201



11 May 2015

Trevor Proffit
C/- Auckland Chemicals
PO Box 323
Christchurch 8140

BioGro Number: 4839

Dear Trevor

This letter confirms that the below listed company and products / services enrolled in BioGro's input certification programme are approved for use in organic production or food processing and handling under COR standards.

01 - Bio-Zyme NZ Ltd

| Category | Product | Restriction |
|---------------------|------------------------|---|
| Facility Management | Bio-Zyme Cleaner | Surfaces require an intervening event prior to contact with certified product |
| Facility Management | Bio-Zyme Industrial | Surfaces require an intervening event prior to contact with certified product |
| Facility Management | Bio-Zyme Multi-purpose | Surfaces require an intervening event prior to contact with certified product |

This approval is valid until 31 July 2016

Yours sincerely,

A handwritten signature in black ink, appearing to read 'Kent Chamberlain'.

Kent Chamberlain
Certification Officer



BioGro New Zealand Annex A Inputs Certification Programme

BioGro Number: 4839

Annex to BioGro Certificate Number: RN 2015-1

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.

01 - Bio-Zyme NZ Ltd

| Category | Certified Input | Status | BioGro Organic | IFOAM | MPI OOAP - EU | MPI OOAP - USDA NOP | MPI OOAP - Taiwan | 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 Product. Can be used without having to prove need to BioGro.

Status R. Restricted Product. Can only be used under the specific conditions (restrictions) listed and proven need must be approved by BioGro.

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

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

MPI OOAP - USDA NOP: exporting to the US under the trade arrangement.

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

JAS - Japanese Agricultural Standard Organic Law.



Bio-Zyme Multi-Purpose

Enzyme Based Multi-Purpose Cleaner
Non Fragrant



Certified Bio Grow Organic 4832
NZFSA 38

Bio-Zyme Multi-Purpose clean floors, walls, benches and all food processing equipment. Cleaning with Bio-Zyme Multi not only cleans visible surfaces but also cleans and deodorises floor waste pipes and drains. Works very effectively through a foaming application for greater coverage in food processing areas.

Features & Benefits

- Fully neutralises contaminants as a biodegradable cleaner
- Reduces Costs
- Safe to use, non toxic, non allergenic and non flammable
- Environmentally compatible
- Biodegrades the removed organic contaminants
- Reduces number of chemicals used and stored on site

Suitable for use in

- Freezing Works
- Abattoirs
- Food Processing
- Butchery / Bakery

For dilution rates contact your supplier



Your organic solution to a clean green New Zealand