

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: biozymewgtn@hotmail.com
Emergency Phone No: 0800 243 622 (0800 CHEMCALL) for out of hours advice

Section 2: Hazards identification

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

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
Citric Acid	77-92-9	0-5 % w/w
Urea	57-13-6	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: 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

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/Assigning%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 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

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
NZFSA 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



21 October 2015

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 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 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)

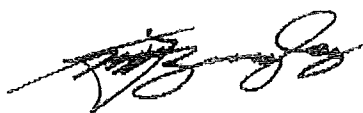
Note: Former NZFSA statements must be removed from your labels.

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 2020 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
Branch Planning Systems and Support

Ministry for Primary Industries
Manatū Ahu Matua



Date: 21 October 2015

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

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

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

Sum of: **\$89.13**

MPI General Ledger Code: 1640 2201
