

Section 1: Identification of the Substance and the Supplier.

Product Name: **Bio-Zyme Cleaner**

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: bill@bio-zyme.co.nz

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

Section 2: Hazards identification

HSNO classifications: 6.3 A Causes skin irritation
6.4 A Causes eye irritation
6.5 B May cause an allergic skin reaction

Section 3: Information on Ingredients

Components	CAS Number	Proportion
Non-Ionic Surfactant	68439-46-3	3 % w/w
Lactic Acid	79-33-4	0-5 % w/w
Citric Acid	77-92-9	5 % w/w
Urea	57-13-6	0-5 % w/w
Lemon Fragrance	-	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 Green
Odour:	Lemon 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.epa.govt.nz/Publications/hsnogen-gs-assigning.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