

## 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  
**Telephonenummer:** 0800 24 6996  
**Email:** [biozymewgtn@hotmail.com](mailto: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	38-55-5	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/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 Determined  
 Bioaccumulative: 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