

## 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](mailto: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 Causes 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

<b>Physical state:</b>	Liquid
<b>Colour:</b>	Dark Brown
<b>Odour:</b>	Pine fragrance
<b>Solubility in water:</b>	100%
<b>Specific gravity:</b>	1.01
<b>Flash point (°C):</b>	Not Determined
<b>pH:</b>	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

**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 2018. Reason for update Section 3 updated