



PRODUCT DATA SHEET

BIO ENZYME

Revision date: 01.04.2025

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1. General Description

- An Active Microbial Enzyme Cleaner, with a solution engineered to deliver superior cleaning power with microbial technology. With a balanced pH, it promotes skin health while delivering thorough cleansing.
- Formulated with the power of enzymes to break down organic stains and eliminate odours at their source.
- Unlike traditional cleaners, it actively targets and digests organic matter, leaving surfaces pristine and fresh.

2. Advantages and Features

- Swiftly breaks down a diverse range of organic waste, ensuring thorough cleaning with unparalleled efficiency.
- Self-regulating and completely biodegradable, setting a new standard for environmentally responsible cleaning solutions.
- Rapidly dissolves fats, oils, and grease, eliminating stubborn residues with ease.
- Targets amines, compounds that attract insects like flies and cockroaches, effectively deterring infestations.
- Proactively prevents drain blockages, ensuring uninterrupted flow and optimal plumbing performance Biodegradable.
- Effectively diminishes odours at their source, leaving behind a fresh and pleasant environment.



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3. Application

1 DOSE= 50ML

Drain line and down pipes

- Initial treatment: 3 doses during the first week. Use at least one dose once per week in standard pipes. Usage rate should be increased for large drain lines and extended pipe lengths. For multi- stories buildings, treat each floor every day from ground upwards during the first week. Thereafter, add BIO ENZYME weekly from the upper floor.

Small grease Traps

- One dose weekly per 50 meals per day. Initial treatment (seeding) 3 times greater during the first week. Add BIO ENZYME directly to the kitchen sink or pipe next to the grease trap at night, then flush down with lukewarm water.

Septic Tanks

- Initial treatment – 5 doses per 1 cubic meter of tank, thereafter 1 dose every two weeks. Pour directly into the toilet bowl and flush.

Carpets

- Micro-organisms destroy the root cause of odours. BIO ENZYME will control odours from pets and organic spills. Dilute 1L solution with 10L of water and spray onto the carpets and completely wet area. Scrub the surface and allow the micro-organisms to work in between the fibres overnight. Allow to dry and then vacuum clean.

Cats & Pet Litters

- Dilute 1L solution with 10L water and spray onto the pet litter or contaminated area or as required. BIO ENZYME will control odours.

Urinals

- Spray 1L solution of BIO ENZYME in 10L water on each urinal daily or as required according to usage.

General Surfaces

- 1L solution diluted with 10L warm water. Spray onto the surface to be treated weekly.



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Deep cleaning of floors

- Use diluted with warm water. Spray onto the surface to be treated when planning a deep clean.

Deep Freezers & Refrigerators

- Bad odour contaminated appliances can be treated with a 1L solution in 10L water. Spray BIO ENZYME onto the empty interior and seals and leave for 3 or 4 hours, or overnight. Then wash with a neutral detergent.

4. Product Technical information

- Active ingredients:
 - Primarily consist of enzymes.
 - Enzymes are specialized proteins that catalyse chemical reactions, making them highly effective for breaking down organic matter, stains, and odours.
- Available in:
 - 5-Litre container
 - 25-Litre container
- Undiluted (Product should be diluted prior to use)

5. Physical Properties

- | | |
|-------------------|--|
| • Form | Liquid |
| • pH: | 1.5-9.6 wide range of operative conditions. |
| • Oxygen Content: | 0.5 ppm + Facultative Anaerobe /Aerobic |
| • Salinity: | up to 65,000ppm Effective in Saline Conditions |
| • Temperature | 0-65 °C Wide temperature range |
| • Chlorine | up to 3ppm Operative in moderate chlorine |



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6. Toxicology and First Aid:

- Eyes: Flush eyes with clean water for at least 15 minutes and seek medical advice if symptoms persist.
- Skin: Should be no effects but rinse area with water if symptoms arise.
- Ingestion: Rinse mouth with water. Do not induce vomiting. Seek medical advice if symptoms persist.
- Inhalation: Should be no effects but remove person to fresh air if there is any throat irritation

1 Additional Information

Always use according to manufacturer's instructions.

The information contained herein is based on our current knowledge and experience at this time and summarises to the best of our knowledge the health and safety and hazardous information relating to the product.

The data is intended only as a guide for the handling and safety of the product. We do not assume any liability for the consequences of the use of this product, since it is applied under conditions beyond our control and with which we may be unfamiliar. Final determination of the suitability of use of the product for any particular purpose is the sole responsibility of the user.

Although certain hazards are mentioned, we cannot guarantee that these are the only hazards that exist. We believe the product will perform the task for which it is intended, but do not in any way guarantee it will do so as conditions of actual use are beyond our control, under no circumstances shall we or our agents be liable for any consequential loss arising from its use.