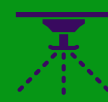
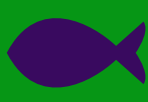


PRODUCT GUIDE

FOR ALGAE CONTROL



Product of South Africa



DIY

TABLE OF CONTENTS

3	What is DAMFIX Bio?
4	Key Features
5	Technical Data
6	How It Works
7	Application
8	Results
9	Coverage & Prices
10	Contact Us



DAMFIX
bio

WHAT IS DAMFIX Bio?

DAMFIX Bio is a naturally occurring bio-active culture of microbes, which is an algae & human-waste degrader, as well as an odour controller.

This product is a liquid suspension of spores and vegetative micro-organisms that are capable of digesting complex proteins, starches, fats, oils, greases, cellulose and vegetable gums.

Specific bacterial strains in **DAMFIX Bio** can also digest laundry detergents. It contains strains of bacteria that degrade tissue paper, fats, oils and grease at an accelerated rate.

DAMFIX Bio can be used for the treatment of algae blooms, municipal waste-water treatment works, oxidation ponds, bio-filters, septic tanks, pit latrines, grease and fat-traps.

The microbes simply eat up contaminants such as oil and organic matter (e.g., waste food), convert them and then let off carbon dioxide and water. The process uses naturally occurring bacteria, fungi or plants to degrade substances that are hazardous to human health or the environment.

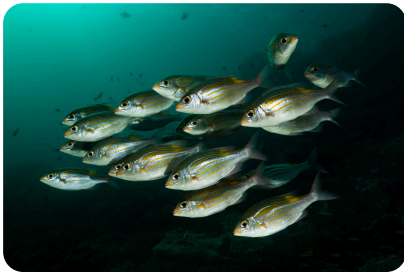
DAMFIX Bio provides an easy-to-apply method to treat water.

It has been formulated and refined to exceed industry standards in both safety and ease of use.

Made in South Africa



KEY FEATURES



- ✓ A select blend of highly active bacterial cultures and fungus.
- ✓ Each batch is tested and standardized for a high level of quality.
- ✓ Each batch contains:
 - detergent digesting bacteria;
 - paper digesting bacteria;
 - human and animal fat digesting bacteria;
 - grease and oil digesting bacteria.
- ✓ Helps reduce odour because the “good” bacteria outcompete “bad” (anaerobic / oxygen hating) bacteria that produce nasty, smelly chemicals like methane and hydrogen sulphide.
- ✓ A 100% natural product that contains no harsh chemicals. This means it will not harm fish, birds, animals, or people.
- ✓ Kick-starts the process towards a balanced eco life in the dam.
- ✓ Economical
- ✓ Easy-to-apply yourself.
- ✓ Direct application to surface of water.
- ✓ No need to empty or drain the water body.
- ✓ No pre-mixing required, just apply.
- ✓ Non-toxic and environmentally friendly.
- ✓ Suitable for small and large water bodies.
- ✓ Safe for Irrigation systems.

TECHNICAL DATA



Packaging

25 Liters

Dosage

An estimated 27ml per 1000L / 1m³

Or

25L per 900,000L / 900m³ of water

Dosage rates are guidelines that may need to be increased or decreased according to your individual conditions. Results will depend on factors such as sludge composition, water temperature, and water movement.

Activation Time

Activation is immediate once the microbes has been administered to the water body.

pH & Temperature

The bacteria in **DAMFIX Bio** perform within a pH range of 3 to 8.5 with the optimum near 7°C temperature affects the activity of the working solution and action increases with rising temperatures up to 49°C. Activity is reduced below 5°C.

Shelf Life

6 weeks in a sealed container.

Biological

Non Pathogenic Bacteria
Calcium Nitrate

Colony Forming Units:

100 million CFU per millilitre

Physical

Appearance:

A brownish liquid

Odour:

Sweet, yeast like smelly odour

Effective pH range:

3 – 8.5

Effective temperature range:

5°C – 49°C



Caution

- Store in a cool, dry place.
- Avoid excessive inhalation.
- Wash hands thoroughly with warm, soapy water after handling.

HOW IT WORKS



Once **DAMFIX Bio** has been poured into the water, the solution spreads quickly through your entire water body and wakes the microbes up. These “good” microbes actively produce enzymes, speeding up the breakdown of organic waste, which clears the water of cloudy organic debris. The “good” bacteria also consume nutrients (e.g. nitrogen, phosphorus) in the water because they need to for their own survival. Fewer nutrients mean less food available for pests like algae.

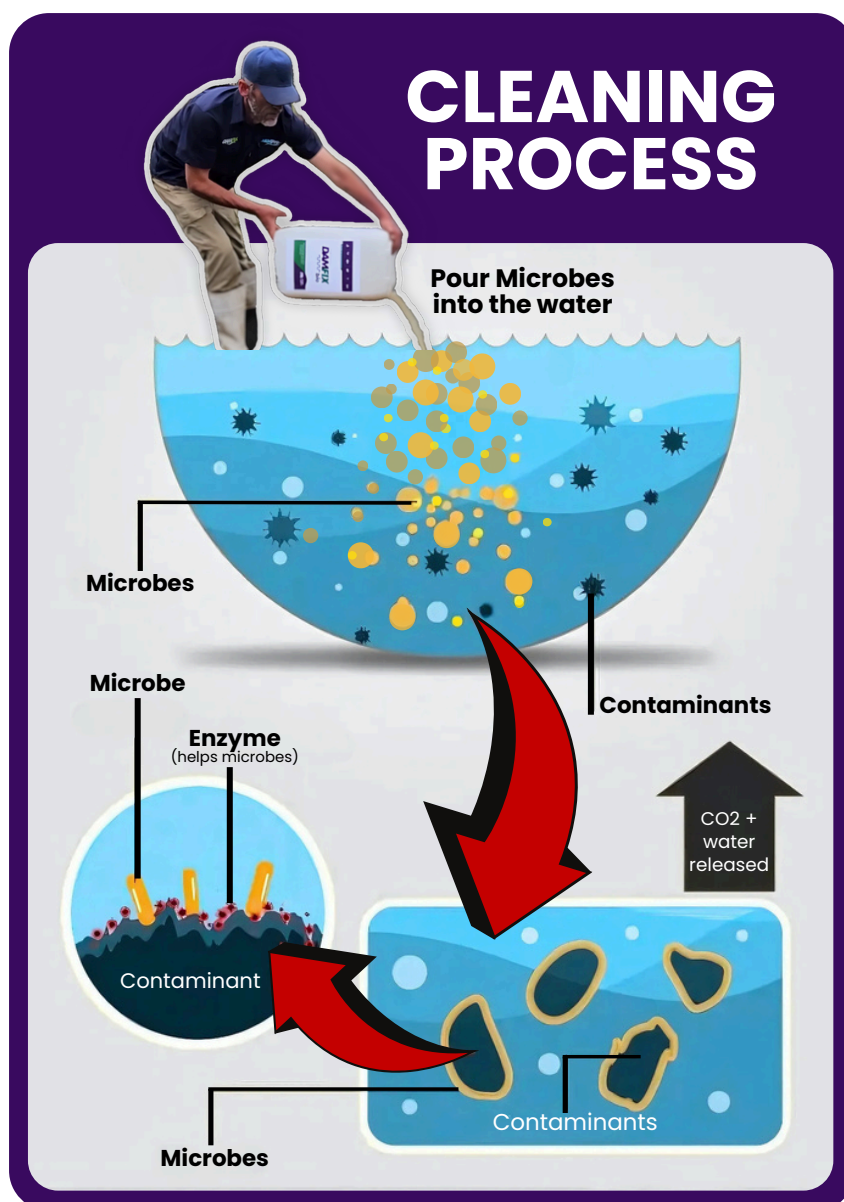
DAMFIX Bio is a 100% natural biological stimulant made of bacterial cultures, enzymes and nutrients. You can think of it as a probiotic that feeds the “good” microbes (aerobic bacteria) in your dam, much the same way you might eat Greek yoghurt or drink Kombucha to feed the “good” microbes in your gut.

These “good” (aerobic / oxygen-loving) bacteria actively produce enzymes, speeding up the breakdown of organic waste and degrading sludge. This reduces the amount of food available for the things you don’t want to grow.

These “good” microbes, feed on organic material (aka the food source of algae) and draw nutrients directly from your water.

Reducing the overall nutrient levels in your dam, the bacteria eventually starve out pests like algae (because, if the good guys are growing strong, there’s not much food left for anything else).

DAMFIX Bio can also clear water of organic material, i.e. the cloudiness in water from microorganisms and decaying organic material. This is not to be confused with muddiness from inorganic material.



APPLICATION



- **DAMFIX Bio** is ready-mixed and can be poured over the water's surface area.
- Results are usually observed after 2 to 4 weeks with sludge/organic matter being the most significantly reduced over the course of summer when bacteria are most active.
- This product performs optimally within a regular maintenance plan.
- **DAMFIX Bio** is safe to use at higher doses. Treatment of problem areas can be heavily targeted. An initial shock treatment of an increased dosage is advised to introduce the "good" microbes to the water body.
- It is recommended to treat the water, monitor the results, and adjust the dose rate based on the results. Take photos/videos of the treated area on a weekly basis which will assist with the observation and comparison process.
- The following dosage rates are guidelines that may need to be increased or decreased according to your conditions. Results will depend on factors such as sludge composition, water temperature, and water movement:

Monthly Dosage Rate:

- 27ml **DAMFIX Bio** per 1,000 liters of water, or
- 25 Liters **DAMFIX Bio** per 900,000 litres of water.



RESULTS



BEFORE



AFTER - 3 weeks later

Kyalami Golf Club
Kyalami, Johannesburg



BEFORE



AFTER - 3 weeks later

Kempton Park
Ekurhuleni



Temperature, sunlight, and nutrients are the 3 pillars of life for algae, equivalent to air, food, and water for humans. Remove any one of these and the individual can't survive. So, to effectively attack algae, you need to target one of these pillars. But which one?

With the introduction of **DAMFIX Bio**, active **nutrient management** is involved by feeding the "good" microbes into the dams & streams. This product is an eco-friendly solution aimed at improving water quality, eliminating odours, and preventing the re-occurrence of algae blooms.



BEFORE



AFTER - 3 weeks later

Waste Water Works
Buffalo City Council



BEFORE



AFTER - 3 weeks later

Waterfall Country Estate
Midrand, Johannesburg



COVERAGE & PRICES



Container Size

25L

Dosage

900m³
900,000 Liters
of water

Price (VAT incl.)

R1 750



RECOMMENDED: Regular maintenance is advised for continuous results.

Additional courier charges apply. Delivered nationwide via The Courier Guy.
Price indicators as at 1 April 2025. Prices are subject to change.

HEAD OFFICE



- by appointment only

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