

# EcoBac®

## PONDS, LAKES & DAMS WATER QUALITY & BIOREMEDIATION



Ponds, lakes and dams are often stressed by unnatural water cycling and nutrient spikes, as well as other pollutants, and often have a reduced capacity to decompose organic matter, cycle nutrients, and maintain the water quality required to harbour a healthy aquatic ecosystem.

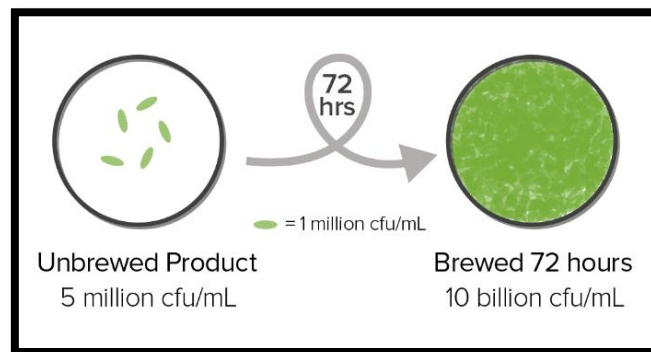
Bioremediation is defined as a process that uses function-focused bacteria and/or their enzymes to consume and break down environmental pollutants, in order to reduce the impact of by-products created from anthropogenic activities, such as industrialization and agricultural processes. By boosting and augmenting the populations of naturally occurring bacteria, the cycling of nutrients and the rate of organic decomposition can once again be regained and enhanced.

## EcoBac

- **ENHANCES WATER QUALITY & CLARITY**
- **DIGESTS SEDIMENT (Organic sludge & muck)**
- **CYCLES NUTRIENTS (Nitrates & phosphorous etc.)**
- **REMOVES ENVIRONMENTAL POLLUTANTS**
- **CONTROLS ALGAE & AQUATIC WEEDS**
- **ELIMINATES FOUL ODOURS**

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This solution is supplied either ready-to-use in bottles, or for large lakes and problematic ponds, we can supply the bacteria in powder form which will then need to be brewed, using a brewing process to further enhance the concentration and growth rate of the function-focused bacteria. This brewing process is very simple, only takes 24-72 hours (depending on the desired results) and can be done on-site. Once the bacteria are cultured, they can be dosed into the waterbody by hose or injection system, depending on the application.



ECOBAC products are distributed in New Zealand by:

## ALPHA ENVIRONMENTAL LTD

16 Gladstone Road

Richmond

Nelson

7050

Tel: (03) 544 4365

Email: [sales.alphaenviro@outlook.com](mailto:sales.alphaenviro@outlook.com)

Web: [www.alphaenvironmental.co.nz](http://www.alphaenvironmental.co.nz)

All our bacteria strains are classified as Biosafety Level 1, meaning they are non-pathogenic. Alpha Environmental Ltd unequivocally states that none of the ingredients are toxic in any way to algae, or to any life form. All our bacteria species are present to some extent in any aquatic system. Our solutions simply add more of these bacteria to a given site which provides those bacteria with an enhanced ability to compete with algae for N, P, and C nutrients.

As the actual conditions of use and storage are out of our control, no liability is accepted for any loss or damage caused, directly or indirectly, through the use of our products. Intending users should satisfy themselves as to the suitability of this product for any particular purpose by carrying out appropriate tests.