

# Aquaritin

## Lakes and Ponds

Aquaritin Lakes & Ponds is an advanced nanoscale liquid formulation which combines a balanced mix of 13 nutrients in a single formulation, bioavailable exclusively for the native diatoms in your ponds. The particle size is between 1 and 30 nm and each nutrient is adsorbed onto nano-silica molecules preventing them from bonding with each other, with water or the atmosphere.

The nano nutrients in Aquaritin Lakes & Ponds are exclusively consumed by diatoms due to its silicon base, which leads to immediate and exponential growth in diatom population, rapidly consuming the nutrients. As diatoms grow and photosynthesize, they sequester carbon and release oxygen into the water, increasing the dissolved oxygen content of the water and promoting better water clarity as well as:

- Reduction of sludge over time
- Balancing of pH
- Immediate elimination of foul odour
- Diatoms are special types of algae that live inside "glass houses"; their hard outer shells are made of silicon and oxygen, the same elements that compose glass. Inside this shell is a single-celled organism that photosynthesizes, releasing oxygen.

In nature, diatoms are the miracle workers that keep our waterways and lakes healthy. Diatoms exist in every natural water body and have been present on earth for 200 million years. Life as we know it could not exist without them as they contribute to over 20% of the planet's oxygen.

Due to their glass-like structure, they need less light to photosynthesize and therefore photosynthesize faster and earlier in the day, out-competing nuisance organisms deriving nitrogen and phosphorus from the water column.



### Benefits

- Improved water clarity
- Algae prevention
- Elimination of foul odour
- Marine life health and diversity
- Increased dissolved oxygen
- Reduction in fecal coliform

### Application

Curative Rate	Maintenance Rate
2 litres per 14 million litres of water per week	1 litre per 14 million litres of water per week

**PACK SIZE:**  
**1 litre**

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