

# HYDRA pH Buffer

Natural Pond pH Stabiliser



HYDRA®

## Features & Advantages

Keeps Ponds at optimum alkalinity & hardness. Steadily brings water hardness and pond pH up to correct level.

- ◆ Hydra pH Buffer slowly releases a pH buffering solution into the pond water to help keep it in balance for GH General Hardness and KH Carbonate Hardness.
- ◆ Rain in today's global warming climatic conditions contains large amounts of CO<sub>2</sub> which is acidic and can thus lower the alkalinity of your pond water.
- ◆ Ideal if you live in a soft water area.
- ◆ Increases buffering capacity of the water.

- ◆ Ponds with vinyl liners or of fibre glass construction tend to show a decrease in alkalinity (they do not contain any natural pH buffers) over time and need Hydra pH Buffer to maintain an acceptable level.
- ◆ Safe for aquatic life, including delicate fish and pond plants.
- ◆ Free from algae-growth promoting phosphates.
- ◆ Hydra pH Buffer is specially formulated to balance and maintain the pond water at optimum pH levels.
- ◆ Helps protect against effects of acid rain which can cause a pH crash.

## Description



Hydra pH Buffer has a continuous and long-lasting buffering ability.

It is extremely cost effective and simple to use even for vast ponds containing huge amounts of water.

It works very well without harming pond plants and has no phosphate content that induces the growth of algae.

pH crashes and drastic pH swings are two of the most common weak spots in any pond.

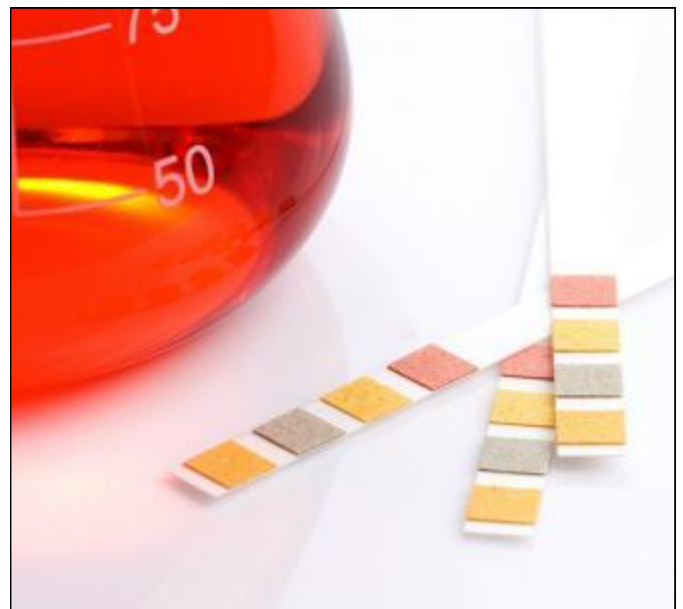
Luckily tragedies that arise from them can be stopped by using pH buffers like Hydra pH Buffer.

Hydra pH Buffer's granules safe guard your water from dropping pH levels and wild swings by absorbing excess hydrogen ions that cause acidity and release them back if the pH rises too suddenly.

Counters the low pH levels (increased acidity) occurring due to inevitable rain water addition in the ponds.

The rain waters may contain high amounts of CO<sub>2</sub> – as result of change in climatic conditions due to global warming.

Since CO<sub>2</sub> is acidic in nature the pH level of the pond dips considerably after rain.



Ponds constructed using vinyl liners or fibre glass show steady decline in alkalinity due to the absence of natural pH buffers.

Hydra pH Buffer balances out the pH and maintains the acceptable pH level in the ponds.

Hydra pH Buffer is specially formulated to balance and maintain the pond water at optimum pH levels.

## Description

Give your water and your fish automatic defence against deadly pH crashes and pH swings by using Hydra pH Buffer . It Slowly releases pH buffering granules to keep pond water at optimum alkalinity and hardness for healthy aquatic life.

### A Real Life pH Crash Tragedy

A pH crash can happen just like that. A pond that's been there for years, heavily stocked with fish in warm green water and you got yourself a perfect recipe for a sudden and tragic pH crash with a 100% fish mortality rate.



For one pond keeper, all it took was just a little bit over a day for his whole collection of beautiful fish to be wiped out of existence.

What used to be thriving fish in over 20,000 litres of pond water, at 24° C water temperature, they all turned still, lifeless and sunken at the bottom of the pond... dead. Not a single one of them spared.

Hydra pH Buffer a slow release pH buffering granules balance pond water at optimum alkalinity and hardness for healthy aquatic life and prevents pH crash.

## How To Use

1 kilo treats 1,000 litres of water.

5 kilos treats 5,000 litres of pond water.

20 kilos treats 20,000 litres of pond water.

Full usage instructions on label.

### Water Parameters

Water Hardness	°dH	CaCO3 mg/litre
Soft	0° - 4°	0-75
Moderately hard	4° - 8°	75-150
Hard	8° - 16°	150-300
Very hard	>16°	>300



## Laboratory Facilities

Hydra International Ltd.'s Research & Development Laboratories are a hub of activity where new products are developed and formulated. We have working relationships with our raw material suppliers, many of these suppliers are major world-wide chemical manufacturers with their own development laboratories.

As a company we are well known in the chemical industry for being receptive to cutting edge new chemicals which can be incorporated into our products to achieve performance advantages. An important part of the International Standards that we hold is that of constant improvement. We show that we have achieved this at every independent audit.



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