

# HYDRA



# Blue Liquid Dye

Gives Rich Blue Finish to Water Bodies

Highly Effective Control For Pond Weeds & Algae



# HYDRA®

## Features & Advantages

- Blocks UV light, preventing photosynthesis of algae and weeds.
- Highly concentrated liquid. Instantly goes into solution, no un-dissolved residues.
- Gives a natural blue finish to water - Lasts for months.
- Blocks the sun's rays (UV light) to effectively starve the growth of existing algae and weeds also prevents formation of new growth.
- Creates a stunning background for water plants, whilst being very economical, lasts up to 3 months.
- Enhances the reflective properties of all large and small ponds and water features.
- Completely free of pesticides and herbicides and other harmful chemicals.
- Hides aquatic life from predators such as cats and birds, ideal for all year use.
- Food based dye, free from pesticides and herbicides, harmless to filters and plants.
- Safe with fish, any visiting wildlife or domestic animals.
- Used by Golf Clubs, Fishing Clubs, Zoos, Fish Breeders and Local Authorities.

## The Problem



Pond weeds, like all plants, algae and many bacteria, use the energy from sunlight to convert carbon dioxide into organic compounds, most typically, sugars.

This can often lead to an algae bloom when plentiful resources allow algae to reproduce very rapidly. This bloom as well as being unsightly can kill off other pond life, i.e. plants and fish.

Because they can synthesize food directly from carbon dioxide using light energy, pond weeds are classified as photoautotrophs. Most appear green in colour due to the light-collecting pigment known as chlorophyll-a.

Without sunlight, photosynthesis could not occur and life as we know it could not flourish.

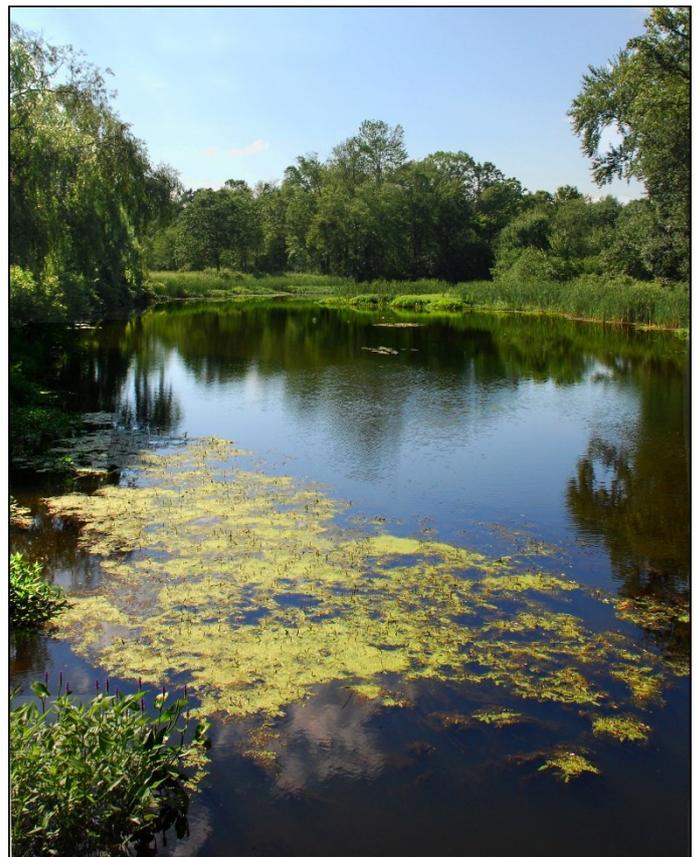
By using a non-toxic colorant such as Hydra Blue Dye Liquid in the water, you can partially filter sunlight, thereby thwarting the photosynthetic process for the growth of many aquatic weeds and algae's.

Filtering out UV will slow algae and weed growth while transforming lake and pond water to a gorgeous natural blue finish.

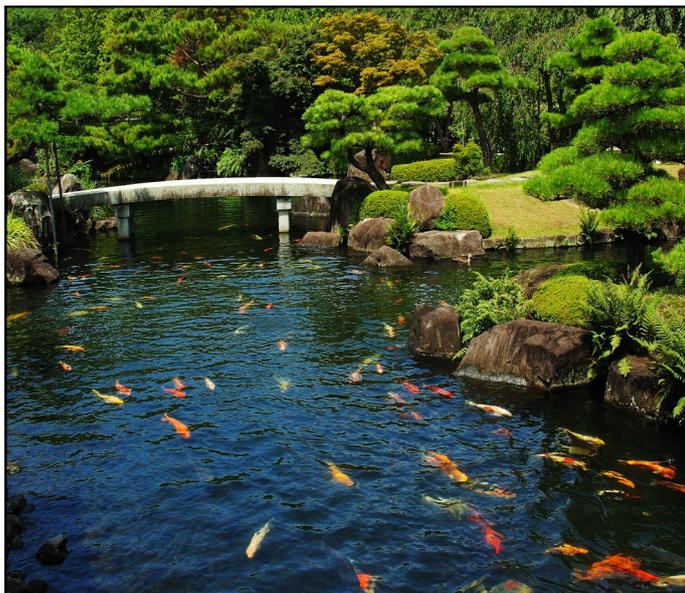
By shading underwater portions of your body of water from sunlight, plant photosynthesis is prevented in bottom dwelling plants and weeds.

Thereby Hydra Blue Dye Liquid effectively prevents an excess of aquatic plant and algae growth.

Hydra Blue Dye Liquid will also hide unsightly growth, rubbish, and debris frequently accumulates in bodies of water, it is a very effective in camouflaging the bottom of the water feature or pond.



## Description



Hydra Blue Dye Liquid forms a natural blue effect in water bodies for algae and weed prevention and inhibitor in all lakes and ponds.

Its highly effective ultra violet light blocking preventing growth of weeds and algae.

Ponds and water traps on golf courses or those near to fields which have been treated with fertilisers often turn green and develop algae blooms.

This is because excess nutrients from the fertiliser have been washed into the pond.

These nutrients are providing food for the algae and weeds and the UV light from the sun does the rest.

Hydra Blue Dye Liquid is not only aesthetically pleasing but also cuts out the UV light entering the body of water.

UV light levels are necessary for algae and plant growth by decreasing the UV you reduce algae, weeds and blanketweed blooms.

Hydra Blue Dye Liquid blocks UV light, preventing photosynthesis of algae and weeds and in its highly concentrated liquid makes it easy to apply and instantly goes into solution, no un-dissolved residues.

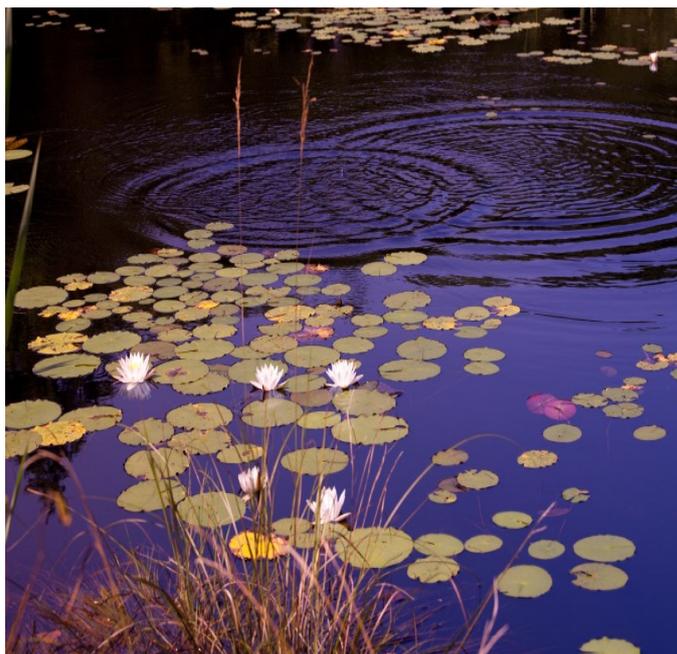
Gives a natural blue finish to water - Lasts for months. and Blocks the sun's rays (UV light) to effectively starve the growth of existing algae and weeds also preventing formation of new growth.

Enhances the reflective properties of ponds and water features.

Making them look vibrant whilst creating a stunning background for water plants.

Hydra Blue Dye Liquid is completely free of pesticides and herbicides and other harmful chemicals. and is safe with fish, any visiting wildlife or domestic animals and even hides aquatic life from predators.

This food based dye is harmless to filters and plants and is used on all sizes of ponds and water features.



## How To Use

### Dilution Rates

- 5ml treats up to 625 litres (138 gallons).
- 25ml treats up to 3,125 litres (688 gallons).
- 250ml treats up to 31,250 litres (6,875 gallons).
- 500ml treats up to 62,500 litres (13,750 gallons).
- 1ltr treats up to 125,000 litres (27,500 gallons).
- 5ltrs treats up to 625,000 litres (137,500 gallons).



## 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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