

## eSHA PROTALON-707™ - ANTI ALGAE TREATMENT

ELIMINATES ALL ALGAE. PLANT FRIENDLY.

### What is PROTALON-707?

PROTALON-707 is a safe and effective means of solving algae growth in your aquarium, and should be used whenever algae problems are encountered. Unlike many other treatments, PROTALON-707 is well tolerated by plants, fish and filters. (It actually helps plants grow).

### What does algae look like?

Excessive algae growth is easy to spot with the naked eye and can take many forms. Most algae are either slimy, hair or thread-like, powdery, or suspended in the water and are usually either green or reddish / brown in colour.

Algae growth usually begins with a thin brown film of algae covering the whole aquarium. If this is left untreated a bloom of free floating algae cells may develop leading to dark green slimy sheets covering plants, decor and substrate.

### Why is excessive algae growth a problem?

A small amount of the 'right' algae is natural in an aquarium and can even be beneficial for your fish. Temporary blooms can occur, especially in new aquariums, and they often go of their own accord. Algae blooms can die off when their nutrient supply is exhausted. The resulting dead algae should be removed before it causes poor water quality as a result of rotting. However, it is the persistent and excessive algae growth that poses problems.

Excessive algae looks unsightly by attaching to glass and decor and impeding your view of the fish and plants. It can also affect the water quality causing your fish to suffer gill irritation. Excessive algae growth can pose a threat to aquarium plants as it can settle on the leaves and reduce their ability to photosynthesize.



### What algae does PROTALON-707 treat?

- Filamentous Algae.
- Slime Algae (covers everything with a green, jelly like material).
- Beard / Hair Algae (tufts from black to green).
- Brown Slime Algae / Black Algae.
- Blue-Green Algae (not real algae but responds to PROTALON-707).
- Suspended Algae (causes green water in aquarium).
- Green Algae (harmless in small quantities - can be healthy - uses up excess nutrients).

PROTALON-707 also treats most transitional forms of Algae. There are over 25,000 species!

### Is PROTALON-707 safe to use with all fish and plants?

When dosed correctly under normal conditions, the components of PROTALON-707 work slowly and are well tolerated by fish and plants. At first your water may become slightly cloudy but this is harmless to fish and plants and it will disappear within a couple of hours.

When treating beard Algae, a small transparent circle may develop in the leaves of your plants. This is nothing to worry about and within three to four days you will suddenly notice that your plants are unusually clean and vibrant. There will be no side-effects, in fact, you will see your vegetation proliferate.

### How does PROTALON-707 work?

PROTALON-707 is a unique two bottle treatment. The two bottles work together to provide you with an effective algicide and a plant boost in one treatment. At the same time, PROTALON-707 rids cloudy water caused by algae blooms and helps prevent the return of algae.

The components of PROTALON-707 work slowly and in harmony, therefore the danger of mistreating the aquarium water, with all the adverse consequences this entails, has been eliminated. PROTALON-707 bottles A and B work together to achieve a healthy and algae-free aquarium.

### How quickly does PROTALON-707 act?

Depending on the algae species and the composition of the water, the process of "algae -removal" takes within two to six weeks. However, you will begin to notice the effect within a few days.

### Is PROTALON-707 a miracle cure?

In spite of the considerable scope of this product (effective against more than 8 algae species + transitional forms) it is not a miracle cure. It is not possible to change a heavily affected aquarium into a showpiece as if by magic.

However, the sooner you start fighting the algae the better your chance of success.


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## Dosage

**1** Calculate the volume of your aquarium. Calculate only the area occupied by water.

**2** Pinpoint your aquarium volume on the dosage scale (Litres or Gallons). From this point, draw a straight line through the scale (see our example for a 100 Litre aquarium).

**3** From your line read off the corresponding number of drops required from days one through to seven. Write the number of drops for your aquarium in the box provided.

**4** Add drops of PROTALON-707 to your aquarium by holding the bottle upside down and squeezing the pipette. (20 drops = 1ml). 

### Dosage example (For 100 / 22 Gallons)

Day 1: Bottle A - 50 drops.

Day 2: Bottle A - 12 drops.

Day 3: Bottle A - 12 drops.

Bottle B - 10 drops.

Day 4: No dose.

Day 5: No dose.

Day 6: Bottle A - 25 drops.

Bottle B - 20 drops.

Day 7: Bottle A - 12 drops.

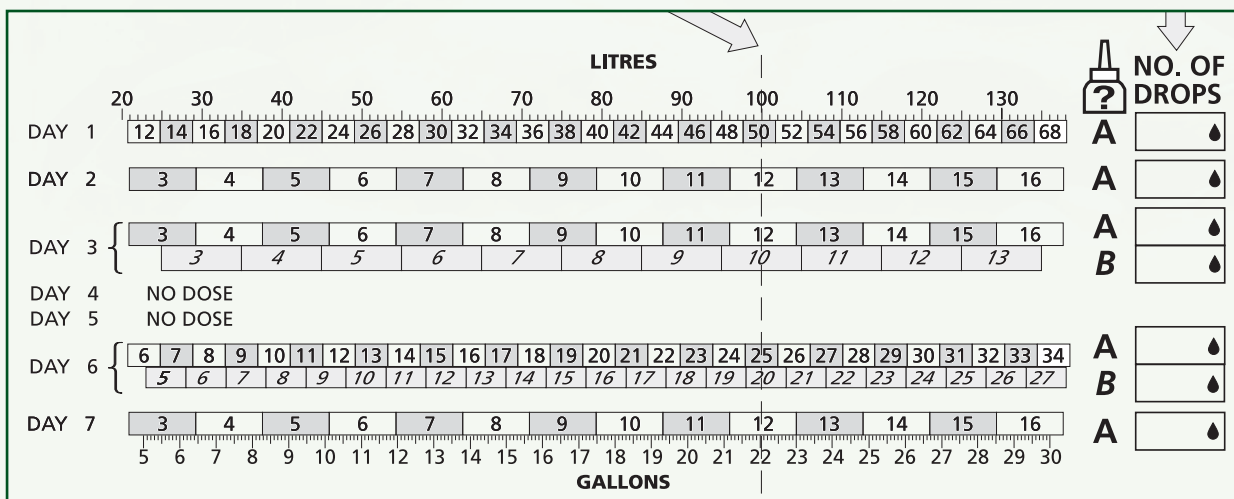
Remaining solution in Bottle B can be used to aid your plants / suppress algae. Every week (10 drops per 100 Ltr).

Note: In very special cases (more algae than plants) the cure has to be repeated after 14 days.

Note: Bottle B is only used on days 3, 6 and after day 7 to aid plant growth and stop algae returning.

Note: No drops should be added on day 4 and day 5.

PROTALON-707 bottles A + B can complete the seven day treatment for a 300 Ltr. (65 Gal.) fresh-water aquarium.



## Why do I have algae in my aquarium?

There are many causes of algae growth in aquariums. The main causes of algae growth are biological and one of the biggest problem many aquarists have to deal with is trying to control these biological causes.

More specifically, algae flourish on a diet of nitrates and phosphates and light of the right spectrum. However, numerous other factors affect algae growth and it is almost impossible to be certain of the exact cause of an algae problem. Therefore, the best action is to try and maintain a good biological balance in your aquarium. This will reduce the likelihood of algae growth and to keep algae and their annoying side effects at bay.

Achieving a good biological balance is more likely to result when you have the following:

1. A dense growth of healthy aquarium plants.
2. Sufficient light (check wattage and time).
3. A stock of fish suitable for the environment.
4. Regular refreshment of water (approx. 20 to 25%-see specialist aquarium guide).
5. Discussion of your problems with your dealer (who should be happy to give you advice).

## How do I keep my fish and plants in good health?

To maintain the best possible balance in you aquarium it is recommended to use eSHA OPTIMA (to create a natural, tropical environment) and eSHA PRO-PHYLL (plant food and nutrients).

It is also important to regularly check your water quality using eSHA AQUA QUICK TEST. This will help your aquarium to look at it's finest every day and it will be enjoyed by your friends and relatives. A flourishing aquarium is an ornament in your home or office.

## eSHa PROTALON-707™ - ANTI ALGAE TREATMENT

### What precautions must I take when using PROTALON-707?

#### Algae Removal?

In extreme cases (more algae than plants), remove as much algae as possible from your aquarium by hand. Rotting material is not good for your water quality or for your fish.

#### Water Changes?

It is generally not necessary to do a water change before or after using PROTALON-707. However, there are a few exceptions where a partial water change should be carried out before treating the aquarium:

**1** In the case of poor water quality. Regular testing with eSHa Aqua-Quick-Test can identify water quality problems in time to take corrective action when needed.

**2** If you are close to your regular water change (20 - 25% per month - see a specialist aquarium guide).

**3** If using any water conditioners.

**4** If you have just used or are using another treatment (2 x 40% water changes should be carried out over a period of three days).

Replacing some of the water during or just after treatment effectively removes some of the treatment. Compensate by adding a proportional amount of treatment after a water change.

#### Filtering?

You may continue to filter over non-adsorbing materials such as filter-wool, sand, gravel etc. Always remove chemical 'active' filter media such as activate carbon, UV, oxidisers, resins etc. as these can have a negative influence on the action of PROTALON-707. Keep filters on day and night.

#### CO2 and Plantfood?

Turn off your CO2-installation and do not add any plantfood/fertilisers as these also stimulate algae growth.

#### Aquatic snails?

PROTALON-707 may kill aquatic snails. Remove them before treatment.

#### Overdosing?

It is not recommended to add more than the advised dosages when using PROTALON-707.

#### Other Treatments?

Never combine treatments unless the manufacturer specifically states that it is safe to do so. If you wish to use another treatment straight after using PROTALON-707, you can remove all PROTALON-707 components by filtering over fresh active carbon.

#### Warnings

- Always read the leaflet before use.
- This product will stain if spilt.
- Keep out of reach of children.
- Store bottle and leaflet in original packaging.
- For freshwater ornamental aquaria only.
- This product may discolour the water.
- Keep away from eyes, cuts and sensitive areas.
- This information is subject to change. Please check if you have the latest version.
- This information is general product information not to be mistaken for the instruction leaflet. No rights can be derived from this document.

**TOGETHER WE WILL FIND THE SOLUTION**

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