

## eSHa PRO-PHYLL™ - AQUATIC PLANT FOOD

NUTRIENT PACKED PLANT FOOD - FOR FLOURISHING PLANTS

### What is PRO-PHYLL?

Many nutrients required for healthy plant growth are not present in the aquarium. An aquarium is an 'artificial' environment and therefore differs from the conditions that plants and fish are used to in the wild. PRO-PHYLL is a unique combination of nutrients and fertilisers for freshwater aquatic plants specially formulated to improve plant growth, colour and condition. PRO-PHYLL provides your plants with the nutrients they need and are used to in the wild. PRO-PHYLL has been specially formulated for easy adsorption by plants through their leaves and roots.



### How do I know when to use PRO-PHYLL?

PRO-PHYLL should be used regularly to prevent nutrient depletion and ensure quick growth of healthy green plants. Quick growing green plants such as (*Nomaphila stricta*, *Cabomba*, *Vallisneria* etc.) can produce small, pale leaves. Use PRO-PHYLL to promote lush leaves and strong vegetation yet maintain rapid plant growth.

PRO-PHYLL can also be used if your plants suffer from poor growth, lack of green leaf colour (chlorophyll), and pale or slimy leaves. PRO-PHYLL effectively raises new or young plants whilst maintaining healthy mature vegetation.

### What use are plants in my aquarium?

A flourishing, planted aquarium looks beautiful and encourages your fish to display their natural colours.

Your fish will be happier in a healthy planted aquarium as many fish are used to plants in the wild. Plants provide them with essential 'hiding-places'. Plants help maintain a healthy biological balance by producing Oxygen and using up Carbon Dioxide (the bi-product of fish respiration) during photosynthesis.

Plants also absorb ammonia / nitrates and help suppress algae which would otherwise be detrimental for your fish.

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

Approximately 70% of aquarium plants draw their required nutrients directly out of the water through their leaves. The main function of the roots is to serve as an anchor in the soil. Plants need sufficient light (approx. 2 watt/dm<sup>2</sup>), minerals and salts to grow properly. The growth of plants is dependent on what nutrients are available and the lack of one or more nutrients leads to pale colours, insufficient leaf development and general poor health. Most plants need the same growth materials in similar proportions and PRO-PHYLL provides a comprehensive package of nutrients for a wide range of aquatic plants.

### What precautions must I take when using PRO-PHYLL?

PRO-PHYLL is safe for use with all freshwater aquatic plants, fish and filter media. It is nitrate free so it will not encourage algae growth. It is beneficial to dose PRO-PHYLL after completing your regular water change.

### Water Changes?

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

- 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.
- 3 If using any water conditioners. These can have a negative effect on nutrient supplements.

### Interactions (with chemically active substances)?

Chemically active substances, such as (fresh) active carbon, excessive use of dechlorinators, UV, oxidizers, etc. can degrade or remove this product. Which causes the effectiveness to decrease. In that case remove active carbon etc. and perform a large water change.

### Sediment?

You may notice flake-like sediment forming in your bottle of PRO-PHYLL.

This can form under certain conditions and results because there are no artificial preservatives in PRO-PHYLL.

The sediment is a natural compound, is totally harmless and will not affect the performance of PRO-PHYLL.

The sediment dissolves harmlessly in your aquarium.

### Storage:

It is recommended to store this product at room temperature. Do not store below freezing.

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## Dosage

**1** Calculate the volume of your aquarium. Calculate only the area occupied by water (deduct 10% for heavily decorated aquariums).

Litres	Length x Width x Depth in cm	: 1000
Gallons	Length x Width x Depth in inches	: 276
1 Litre = 0.22 Gallons	1 Gallon = 4.54 Litres	

**2** Locate your aquarium volume on the dosage scale (metric or imperial). Read down to find the corresponding number of drops required for your aquarium volume.



**Example:** : A 100 litre (22 gallon) aquarium needs 20 drops every week.

**3** Add drops of PRO-PHYLL to your aquarium by holding the bottle upside down and squeezing the pipette. Dose near flow outlet (20 drops = 1 ml).

**Standard dosage**  
(for 100 Litres / 22 Gallons)  
Weekly - 20 drops.

### WEEKLY

<b>GALLONS</b>	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
☼	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	
<b>LITRES</b>	20	30	40	50	60	70	80	90	100	110	120	130	140													
☼	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	

## Warnings:

- Always read the leaflet before use.
  - This product may stain if spilt.
  - Keep out of reach of children.
  - Store bottle and leaflet in original packaging.
  - For freshwater ornamental fish 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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