

Our care program

Additives for the aquarium



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Need for additives:

An aquarium constantly produces and uses inorganic substances (minerals and trace elements) and organic substances. Waste materials are transformed and removed by the filter system (LSS). Minerals and organic additives such as vitamins and amino acids must be added regularly to the aquarium.

The AquaCare system:

For automatic dosing and for small aquariums with low requirements, AquaCare offers liquid products that can be easily added to the aquarium manually or with dosing pumps. Concentrates and the "Super" series are available for the large demand.

Quality Made in Germany:

The AquaCare care line is characterised by the use of pure raw materials (quality: purest, PharEu or food quality), sophisticated recipes and simple application. The plastic bottles are made of reusable PET or polyethylene. We deliberately refrained from adding additional repackaging in order to reduce the amount of waste.



Our **mineral calculator** is available for a simple calculation of the needed quantities:

<http://aquacare.de/index.php/en/aquaristic/aquaristic-info/waterparameter/mineral-calculator.html>

Carbonate hardness / alkalinity / buffer capacity

The "carbonate hardness" is the most important buffer system in the aquarium. If there is sufficient "carbonate hardness" (alkalinity/acidity capacity), additions of acid or caustic solution change the pH value of the aquarium water only insignificantly - the pH value remains approximately constant. Acid is produced during nitrification, for example. If the acid production of the nitrifying bacteria is not buffered, the pH value can quickly drop into an unfavourable or even life-threatening area for plants and animals. The products KH-plus and Super-Puffer reliably increase the carbonate hardness and stabilize the pH value in freshwater and seawater aquariums.

Liquid product: KH-plus

250 ml for approx. 750 hardening litres

order number: 501-002

1000 ml for approx. 3000 hardening litres

order number: 501-010

5 litres for approx. 15000 hardening litres

order number: 501-050

Dosing: approx. 10-100 ml per 100 l and week

Powder: Super-Buffer

1000 g

order number: 572-010

20 kg

order number: 572-200

Dosing: approx. 1-10 g per 100 l and week


For very large aquariums or heavy coral growth we recommend the **Turbo Chalk Reactor**.

Calcium / magnesium / total hardness

The total hardness is a parameter for the concentration of alkaline earth metals. These metals - especially calcium and magnesium - are essential minerals and must therefore always be present in sufficient quantities in the aquarium water. In freshwater aquariums, however, the consumption of calcium and magnesium is so low that only when changing the water should the refill water be enriched with total hardness. Especially when using reverse osmosis water, these vital minerals should be supplied. The AquaCare mineral salt can be used as an alternative to these two solutions.

Depending on the number and activity of calcifying organisms, more or less calcium is consumed in the seawater aquarium. Calcium concentration of approx. 400-450 mg/l (ppm) in the aquarium water is optimal; magnesium should be approx. 1300 mg/l (ppm). Please check the concentration of calcium and magnesium regularly.

For large seawater aquariums or pure hard coral tanks, however, the best alternative is a lime reactor.

| Liquid product: Calcium-plus | Powder: Super-Calcium |
|---|---|
| 250 ml for approx. 750 hardening litres order number: 502-002 | 750 g order number: 582-008 |
| 1000 ml for approx. 3000 hardening litres order number: 502-010 | 20 kg order number: 582-200 |
| 5 litres for approx. 15000 hardening litres order number: 502-050 | Dosing: approx. 1-10 g per 100 l and week |
| Dosing: approx. 10-100 ml per 100 l and week |  |
| 5 litres 5fold concentrate order number: 502-250 | |
| Dosing: approx. 2-20 ml per 100 l and week | |

The Turbo Chalk Reactor and the Lime Water Reactor KWR also increase the calcium concentration.

| Liquid product: Magnesium-plus | Powder: Super-Magnesium |
|--|---|
| 250 ml for approx. 750 hardening litres order number: 517-002 | 750 g order number: 584-008 |
| 1000 ml for approx. 3000 hardening litres order number: 517-010 | 20 kg order number: 584-200 |
| 5 litres for approx. 15000 hardening litres order number: 517-050 | Dosing: approx. 1-10 g per 100 l and week |
| Dosing: approx. 10-100 ml per 100 l and week | |
| 5 litres 5fold concentrate for approx. 75000 hardening litres, order number: 517-250 | |
| Dosing: approx. 2-20 ml per 100 l and week | |

Turbo-magnesium in the Turbo Chalk Reactor also increases the magnesium concentration

Trace elements



Both seawater and freshwater organisms depend on trace elements. AquaCare has chosen a composition for the trace element solution that supplies the aquarium with all important substances. These additives are necessary because the existing trace elements, caused by high oxygen concentrations or strong foaming, gradually change from the bioavailable form to an ineffective form. With regular dosing, all the organisms that assimilate nutrients through the water are optimally supplied. The trace elements are put together in ideal concentrations and protected with an organic complex for optimal bioavailability. The AquaCare solution contains the essential trace elements aluminium, boron, bromine, iron, fluorine, iodine, cobalt, copper, lithium, manganese, molybdenum, nickel, selenium, silicon, vanadium, tungsten and zinc.

Liquid product: Trace Elements

250 ml order number: 503-002

1000 ml order number: 503-010

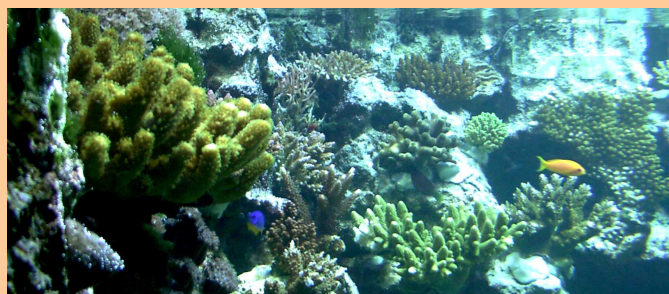
5 litres order number: 503-050

Dosing: approx. 10 ml per 100 l and week

5 litres 5fold concentrate

order number: 503-250

Dosing: approx. 2 ml per 100 l and week



Strontium

Strontium (besides calcium) is the most important mineral for hard corals and other calcareous organisms. The animals will only grow satisfactorily in the long term if this substance is regularly added to the saltwater aquarium.

Liquid product: Strontium-plus

250 ml order number: 505-002

1000 ml order number: 505-010

5 litres order number: 505-050

Dosing: approx. 10 ml per 100 l and week

5 litres 5fold concentrate

order number: 505-250

Dosing: approx. 2 ml per 100 l and week

Powder: Super-Strontium

750 g

order number: 585-008

20 kg

order number: 585-200

Dosing: approx. 0.1 g per 100 l and week



Iodide / iodine

Iodine plays a major role in the hormone balance of seawater animals. Crustaceans, for example, cannot skin themselves without sufficient iodine. If you have many macro algae (e. g. *Halimeda*, *Caulerpa* or many brown algae) or disc anemones and xeniids in your aquarium, or if you filter with an algae filter, the algae can quickly consume the entire iodine concentration of the water. In this case, iodine should be supplied regularly from the outside. Especially after the use of activated carbon, iodine must be added to the water, as activated carbon adsorbs iodine very quickly and effectively. AquaCare offers two forms: the iodide solution for extremely safe use (for beginners) and the iodine-iodide solution (for professionals), which works very quickly but can also be easily overdosed.

Liquid product: Iodide solution

250 ml order number: 506-002

1000 ml order number: 506-010

5 Liter order number: 506-050

Dosing: approx. 10 ml per 100 l and week

5 litres 5fold concentrate

order number: 506-250

Dosing: approx. 2 ml per 100 l and week

Liquid product: Super-Iodine

The AquaCare Super Iodine is highly active due to the very effective iodine-iodide-polyiodine formula without alcohol. Under no circumstances should an overdose take place!

30 ml order number: 521-001

250 ml order number: 521-003

1000 ml order number: 521-010

Dosing: 1 drop (50 µl) per 100 l and week



Iron-II

All plants and animals require bivalent iron for healthy growth. Iron-II from AquaCare is chelate-protected and is therefore not oxidized to useless trivalent iron. In seawater, iron can be used to enhance the colour of corals. Iron should not be used only at high nitrate and phosphate concentrations in order to prevent uncontrolled growth of green algae.

Liquid product: Eisen-II-plus

250 ml order number: 510-002

1000 ml order number: 510-010

5 litres order number: 510-050

Dosing: approx. 10 ml per 100 l and week

5 litres 5fold concentrate

order number: 510-250

Dosing: approx. 2 ml per 100 l and week



Vitamins

Vitamins are essential substances and cannot be produced by fish and other animals themselves. In the case of undersupply, deficiency diseases develop, e. g. pitting sickness in fish, malformations of the lateral line organ, fading of the colours.

The AquaCare multi vitamin concentrate can be added to the food as a preventive treatment. Dry and frozen food is supplied with the full range of essential vitamins.



Liquid product: Multi-Vitamin-Complex

30 ml, order number: 523-001

250 ml order number: 523-003

1000 ml order number: 523-010

Dosing: 1-2 drops (50-100 µl) pro 10 g frozen food (1 frozen food cube) or 2 g flake food

Please store in the fridge!

Vitamins, amino acids and proteins = Amino@Vit

Filtering animals such as corals, gorgonians but also mussels and filtering worms depend on the supply of nutritious particles. Even zooxanthellate corals (corals with symbiosis algae), which in principle can only survive and grow with inorganic substances and light, require organic particles for sexual reproduction and particularly vigorous growth. AquaCare Amino@Vit also promotes micro-fauna, which is an important part of the natural food chain. AquaCare Amino@Vit is composed of high-quality and selected raw materials and is produced and mixed with a special process. The plant and animal ingredients meet the natural nutritional needs of aquatic organisms.



Suspension: Amino@Vit

250 ml, order number: 524-003

1000 ml, order number: 524-010

Dosing: 10 ml per 100 litre

2 × per day to 2 × per week

Please store in the fridge!

This product is also available as **Amino@Vit+Globuli** for the AquaCare globule reactor.