PO4x4 regeneration buffer

Â PO4X4 Phosphate Remover is a unique chemical engineered polymer based mini pellets that will specifically remove phosphate approximately 4 times more efficient then most GFOs. The PO4X4 polymer is bound to very pure FeOH2. Both the polymer as well as the Iron molecules are able to bind PO4 and by combining these we increased the binding effiency. In addition,PO4X4 contains only Ironhydroxide, normal GFOs consist of a mixture of ironhydroxide as well as ironoxide and only the first form can bind phosphates. This means that PO4X4 with its higher content of Ironhydroxide can bind much more PO4 then your average GFOs can.

500 ml will remove 3 ppm of phosphate and silicate from roughly 16.000 liter of fresh water or 8.000 liter of marine water. Use fluidized filter systems for optimal results, a canister filter can also be used.Â Do not overdose !Â Rapid changes in phosphate can negatively affect your animals. Use small amounts ofÂ PO4X4 to gradually lower the phosphate levels in your aquarium. Replace or regenerate (see PO-X4 regeneration salt) your pellets when phosphate levels start to increase again.

How to regenerate:

To regenerate 250 ml ofÂ PO4X4 , slowly dissolve, in small steps, 150 gram / 5,3ozÂ of regeneration powder in 4L / 1 gallon ofÂ water. Important: The regeneration solution contains corrosive compounds and we advice to handle with care and wear protective clothing at all time, such as rubber gloves and goggles. After dissolving the powder, add yourÂ PO4X4 pellets and incubate at room temperature for 24 hours in a closed bucket. Subsequently, wash the pellets thoroughly (5-10 times) in a large volume of phosphate free water until the effluent has a pH of approximately 8. The pellets are now ready to use for seawater aquaria. For fresh water an additional wash step with 20 gram / 0,7ozÂ Salt in 1L / 0,25Â gallon ofÂ water is required to lower the pH to approximately 7. Incubate the pellets for 2 hours at room temperature and subsequently wash 5 times with large volumes of phosphate free water. PO-X4 Regeneration Salt warning:

POISON! DANGER! CORROSIVE. MAY BE FATAL IF SWALLOWED. HARMFUL IF INHALED. CAUSES BURNS TO ANY AREA OF CONTACT. REACTS WITH WATER, ACIDS AND OTHER MATERIALS.

Precautions:
Do not get in eyes, on skin, or on clothing.
Do not breathe dust.
Keep container closed.
Use only with adequate ventilation.
Wash thoroughly after handling.Â

First Aid:
If swallowed, DO NOT INDUCE VOMITING. Give large quantities of water or milk if available. Never give anything by mouth to an unconscious person. In case of contact, immediately flush eyes(lifting lower and upper eyelids occasionally) or skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen. In all cases get medical attention immediately.

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