



ARKA[®]
A Q U A T I C S



INSTRUCTION AGAINST PHOSPHATE DEPOSITS & NITRATE SOURCES

The sustainable way to fight phosphate deposits and nitrate sources



Phosphate deposits and nitrate sources in the aquarium

Phosphate levels are too high despite phosphate absorber and no idea why? **Nitrate levels** that simply will not drop or inexplicably increase despite the **addition of bacteria**? These are, unfortunately, all too common problems, which many aquarium enthusiasts know only too well. The explanation for this is usually **phosphate deposits** or **nitrate sources**, which accumulate on the **substrate** or in the **rock** and continuously release phosphate and/or nitrate into the water.

Since **phosphate absorbers** can only ever absorb the **free phosphate**, however, they do not help. In the case of nitrate sources, the released amount of nitrate from these accumulations together with the nitrate already in the aquarium often means the existing bacteria cannot keep up and the level therefore stagnates or increases.

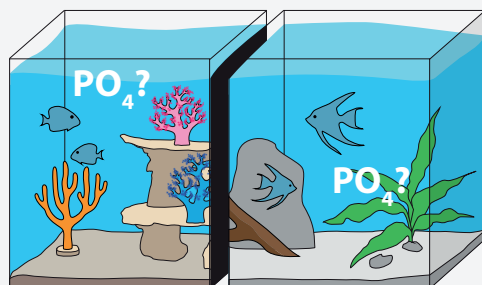
Our Microbe-Lift **Substrate Cleaner** is a **purely biological bacterial product** that acts as a **liquid substrate cleaner** and makes it things easier for you as it **eliminates nitrate sources** and can **break down phosphate deposits**.

What products do I need?

Product	SUBSTRATE CLEANER	PHOS-OUT 4 (liquid)	SPECIAL BLEND
What for?	Splits phosphate deposits and removes nitrate sources	Binds and removes phosphate in the aquarium	Converts nitrate into harmless nitrogen (denitrification)
Advantages	This lastingly removes hard to get to phosphate deposits and nitrate sources. It also solves the “Old Tank Syndrome” problem.		
What do I have to consider?	<ul style="list-style-type: none">• Remove all granule-based absorbers from your aquarium during use.• Avoid adding carbon sources such as Microbe-Lift NOPO Control while using the Substrate Cleaner.• Regular use of the Substrate Cleaner generally reduces the time and intensity of the clouding.• Pay attention to a balanced feed, as too much feed can cause or promote unwanted phosphate deposits.• After the initial dosage of Special Blend, regularly carry out maintenance dosing to ensure good nitrate breakdown and water biology, which in turn means enough space of bacteria to settle.• When using Phos-Out 4 (liquid), follow the dosage information and instructions on the product label.		

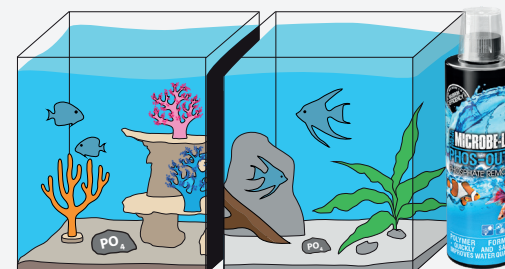
Fighting phosphate deposits step by step

A



Measure the **phosphate level** in your aquarium.

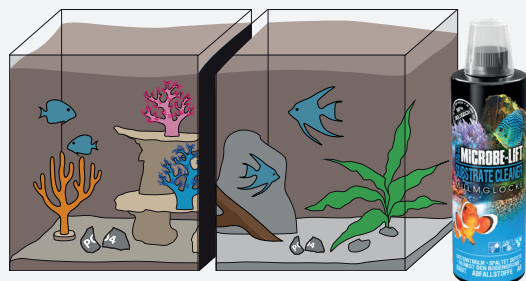
B



If the PO_4 value is too high, use **Phos-Out 4 (liquid)** to bring it to „normal“ levels. This is important because the PO_4 value can rise again if **any phosphate deposits break down** again.

If the PO_4 value is currently in a „normal“ range, you can **skip** this step.

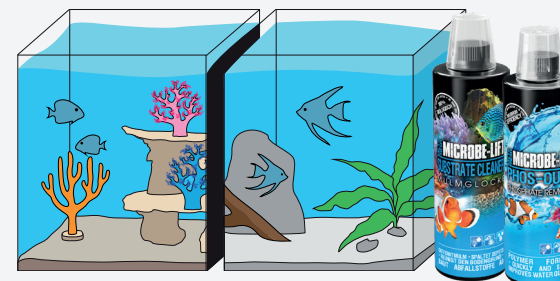
C



Measure the **phosphate level** again and make a note of it. Add 10 ml per 100 litres of water of **Substrate Cleaner** once a week.

Please note: The **Substrate Cleaner** will initially cause the aquarium water to cloud. This is completely normal and generally disappears after approx. 24-72 hours.

D

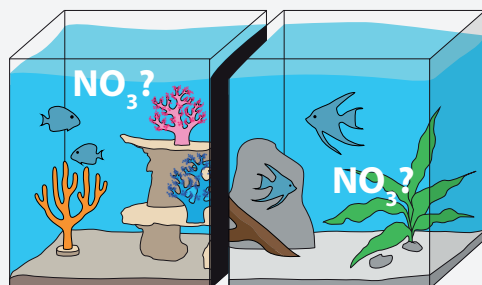


About **24 - 48 hours** after the clouding has disappeared, measure the **PO4 level** again. If it has **increased** compared to the measurement before the clouding, this is a **sign for phosphate deposits**.

In this case, continue to alternate between adding the **Substrate Cleaner** and **Phos-Out 4 (liquid)** as explained in steps A-D. **Repeat** this process until the phosphate level is the **same** as **before** the clouding.

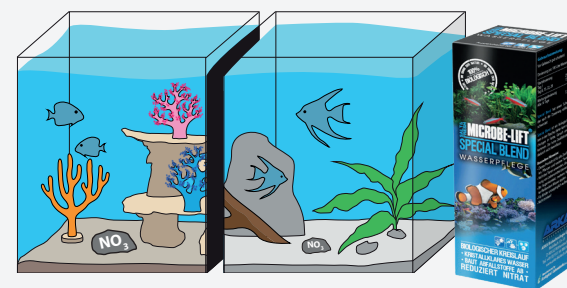
Fighting nitrate sources step by step

A



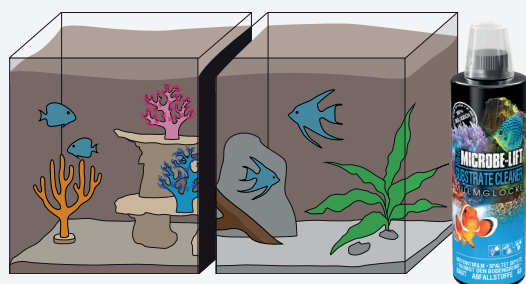
Measure the **nitrate level** in your aquarium.

B



If the **nitrate levels** are too high, start adding **Special Blend** according to the **initial dosage** on the packaging.

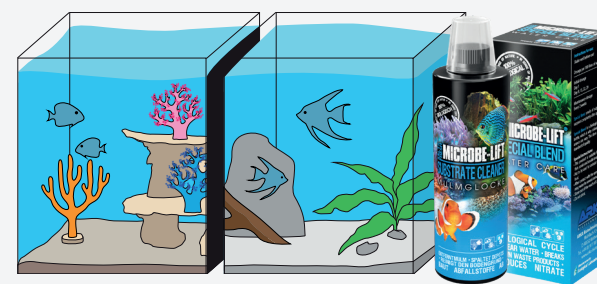
C



Measure the **nitrate level** before dosing **Substrate Cleaner** and make a note of it. Then add **10 ml to 100 litres of water**.

Please note: The **Substrate Cleaner** will initially cause the aquarium water to cloud. This is completely normal and generally disappears after approx. 24-72 hours.

D



About **24 - 48 hours** after the clouding has disappeared, measure the **NO₃ level** again. If it has increased compared to the measurement before the clouding, this is a **sign for nitrate sources**. In this case, continue to add **Substrate Cleaner** weekly as explained in Step B. **Repeat** this process until the phosphate level is the **same** as **before** the clouding.

Special Blend should be added according to instructions on the packaging and usage should continue once the nitrate sources have been removed.



Do you have other questions?

Feel free to contact us on:



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