Magnesion-P Magnesium Dosing Guide

Basic and Advanced Magnesium Dosing

This guide explains how to dose Magnesion-P for maintaining or adjusting magnesium concentration in aquariums using a 1-liter stock solution prepared from Magnesion-P powder.

Stock solution preparation:

- Dissolve 84.4 grams of Magnesion-P in 1 liter (1000 ml) of purified fresh water.
- Each 1 ml of this solution increases magnesium concentration by 6.0 ppm in 3.785 liters of water.

Daily Maintenance Dose Calculation

To maintain magnesium concentration, measure the daily drop (Delta Mg in ppm) over 7-14 days.

Use this formula to calculate the daily dose (in ml) of stock solution:

Daily dose (ml) = (Delta Mg × Aquarium volume in liters) / (6.0 × 3.785)

Where:

Delta Mg = daily decrease in magnesium concentration (ppm)

Aquarium volume in liters = total water volume in your aquarium

Example: Maintenance Dose for 250 L Aquarium

Aquarium volume: 250 liters

Daily magnesium drop: 5 ppm

Daily dose = (5 × 250) / (6.0 × 3.785) which is approximately 55 ml

So, dose approximately 55 ml daily to maintain magnesium levels.

Raising Magnesium by 30 ppm

If you want to increase magnesium concentration by 30 ppm in a 250 L aquarium, use:

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Dose (ml) = (Desired ppm increase × Aquarium volume in liters) / (6.0 × 3.785)

Dose = (30 × 250) / (6.0 × 3.785) which is approximately 330 ml

Dose 330 ml once to raise magnesium by 30 ppm.

Safety Reminder

Keep Magnesion-P out of reach of children.

Not for human consumption.