
**BIO-P REMOVAL SYSTEM
FOR BIOLOGICAL PHOSPHATE REMOVAL IN WASTE WATER STREAMS AND
AQUATIC ENVIRONMENTS**

Active Ingredients

Bio P Removal contains adapted micro-organisms specifically formulated for use in waste-water systems to remove phosphate biologically even in low strength effluent.

Description

Bio P Removal is composed of aerobic and facultative anaerobic micro-organisms. These micro-organisms have been carefully selected from nature and adapted for optimum performance in most treatment plants. Bio P is more effective in removing phosphate than naturally-existing bacterial strains. This means more consistent and more balanced treatment performance with fewer system upsets.

Regular use of Bio P establishes and maintains a biomass which is resistant to the effects of organic inhibitors commonly found in wastewaters.

Bio P Removal system has been scientifically proven to remove up to 92% of phosphate within 72 hours and then when correctly applied can keep phosphate levels effectively within consent.

Advantages

- Removes Phosphate in weak effluent conditions
- Cost effective
- Easy to apply
- No harmful chemicals
- Rapid results
- Tolerates changes in conditions

Suggested Application Rate

- Initial dose: 10 ppm Bio P Removal System for first 3-5 days
- Maintenance dose: 2 ppm Bio P Removal System daily

Bio P Removal system is supplied as water-soluble powders and suitable with automated dosing machines. Actual doses will depend upon specific wastewater conditions and phosphate levels.

For optimal results the wastewater treatment system should meet the following conditions:

	OPTIMUM	MINIMUM	MAXIMUM
Influent pH	7.0	5.0	9.0
Dissolved oxygen, ppm	2.0+	1.0	---
C/N/P ratio	100/10/2	100/5/1	100/20/4
Temperature, C degrees	30(86 F)	10(50 F)	40(104 F)
Toxic metals, ppm (e.g., hex., chromium)	0	0	2

Storage and Disposal

- Shelf life: Dry- 2 years.
- Store in original container.
- Store sealed in a dry place at room temperature not exceeding 100 degrees F.
- DO NOT ALLOW PRODUCT TO BECOME WET OR MOIST PRIOR TO USE. DO NOT FREEZE.

Cautions

- Inhalation and direct skin contact should be avoided. Dust protection for eyes, nose and mouth should be used. In the event of direct skin or eye contact, flush the affected area with water. If irritation persists, contact your physician.
- ALWAYS CONSULT THE MATERIAL SAFETY DATA SHEET FOR SPECIFIC INSTRUCTIONS.