



BIOZYME PURE AERO/ANAERO

Multiple enzyme components for treating organic matter

The Enzymes based Formulation for Wastewater treatment

The main objective of Wastewater Treatment is to treat the effluent before it is discharged so that the environment is not polluted. Wastewater treatment in general refers to treatment of suspended and floatable material, treatment of biodegradable organics and reduction in COD and BOD and resulting in biogas production.

BIOZYME – PURE AERO and BIOZYME – PURE ANAERO are formulation of selected enzymes and micro-organisms suitable for Aerobic and Anaerobic digestion of waste organic material. Enzymes present in both the products break up long, complex waste molecules (Hydrolytic reaction) into smaller pieces, which can then be digested directly by the bacteria. Both products are dry concentrated powder containing hydrolytic enzymes and selected microbes, to be applied in Aerobic and Anaerobic stages of the Wastewater Treatment plant, respectively.

Advantages:

BIOZYME – PURE AERO and BIOZYME – PURE ANAERO can be used in:

- Oxidation Lagoons • Sludge Pits • Grease Traps • Aeration Tanks • Imhoff Tanks • Digestors (Aerobic & Anaerobic) • Septic Tanks • Clarifies • Trickling Filters • Collection Systems

Benefits:

Remove odour

Sludge volume will be reduced more, as more solids are digested

Sludge will be easier to pump, process and dewater, and will have less odour

The capacity of the system will be effectively increased, because more waste can be processed, more efficiently, in lesser time

The whole system will be able to absorb the shock of toxic influent

Easier to balance the treatment system

Bacterial Oxidation of the liquid phase will be faster and more complete

Digesters will operate evenly and uniformly, easier planning and routine waste

Effluent water standards will be met more consistently, helping to maintain a clean environment and safe drinking water for the population.

Application:**BIOZYME – PURE AERO**

Powder Form Product – Blend of selected Enzymes and environmentally friendly degrading Culture for Aerobic Stage.

Recommended Dosage: 50 – 100 PPM on Wash Basis. Dosage Quantity and the frequency of dosage to be optimised based on the results.

After 15 days of continuous application and when the process has become stable, the dosage can be brought down up to 15 PPM on Wash Basis. Final maintenance Dosage Quantity still should be optimised as per your requirements and performance.

BIOZYME – PURE ANAERO

Powder Form Product – Blend of selected Enzymes and environmentally friendly degrading Culture for Anaerobic Stage.

Recommended Dosage: 100 – 200 PPM on Wash Basis. Dosage Quantity and the frequency of dosage to be optimised based on the results.

After 15 days of continuous application and when the process has become stable, the dosage can be brought down to 50 PPM on Wash Basis. Final maintenance Dosage Quantity still should be optimised as per your requirements and performance.

Storage and shelf life:

Store it in cool and shaded place and avoid keeping it in direct sunlight. Enzyme dust may cause irritation when inhaled. Unnecessary contact with product should be avoided. The shelf life of BIOZYME – PURE AERO and BIOZYME – PURE ANAERO under recommended conditions is for the period of 1 year.

Packaging:

Both BIOZYME – PURE AERO and BIOZYME – PURE ANAERO are available in standard packs of 25 Kg. The packing can also be customised as per the requirements.