



FERMSEPT® -E

PRODUCT INFORMATION:

FERMSEPT® - E is the synergistic blend of naturally selected beneficial, harmless and robust bacteria, macro and micronutrients, and biological additives with enhanced microbial colonization in organic effluents.

FERMSEPT® - E is specially designed for commissioning and stabilization of ETP and anaerobic treatment plants.

PRODUCT SPECIFICATIONS:

- ▶ **Color:** Tan to off white
- ▶ **Nature:** Fluffy dry powder
- ▶ **Odor:** Odorless
- ▶ **Solubility in water:** High
- ▶ **Active ingredients:** Mixture of selective *Bacillus* strains producing various enzymes like lipase, protease, amylase, cellulose.
- ▶ **Strain specialty:** Non-GMO organism with inducible enzyme system

MODE OF ACTION:

Bacteria in FERMSEPT® - E produces various enzymes capable of breaking down complex compounds to simpler ones, hence degraded the organic waste more rapidly and efficiently. By this virtue, it helps to improve the MLSS faster, makes the process more stable and makes the entire system more efficient in ETP / WWTPs.

FERMSEPT® - E breaks down and degrades organic and inorganic materials that cause unpleasant odors into odorless compounds.

- ▶ Fats to glycerol and fatty acids
- ▶ Proteins to amino acids
- ▶ Cellulose to sugars
- ▶ Starch to Glucose

ADVANTAGES:

- ▶ Reduction of BOD, COD and TSS within PCB norms.
- ▶ Increase in MLSS.
- ▶ Increases the efficiency of the existing treatment plant.
- ▶ Regular use prevents the accumulation of sludge, grease and organic wastes.
- ▶ Offers greater capability to withstand the shock loads.
- ▶ Improves the efficiency of UASB and Anaerobic lagoon.
- ▶ Reduction of Odor.

(ETP - Effluent Treatment Plant, MLSS - Mixed Liquor Suspended Solids, WWTP - Waste water treatment plant, BOD - Biochemical Oxygen Demand, COD - Chemical Oxygen Demand, TSS - Total Suspended Solids, PCB - Pollution Control Board, UASB - Upflow Anaerobic Sludge Blanket Reactor, DAP - Diammonium Phosphate)

APPLICATIONS:

- ▶ Dairy and Milk processing industry
- ▶ Food processing industry
- ▶ Automobile industry

SAFETY:

This product is non – toxic, non – pathogenic, non – hazardous, non – contagious, non – corrosive. Bacteria used are from WHO recommended natural strains for safety which are not genetically modified, hence pose no threat to environment. It creates no heat, no fumes, no effervescence. It does not attack live tissue or any inorganic materials.

STORAGE:

Product can be stored at room temperature under dry conditions. Care should be taken that the product should not come in contact with water until mixing is completed.



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