



Technical Data Sheet

1.0 Introduction :

Fermenta Biotech Ltd is a pioneering biotech company, since 1986 focusing on research based Biotech products. Our core strength lies in developing novel Bio-enzymes for varied industrial application enabling us to provide total & integrated biotech solutions.

2.0 Product overview :

FERMSEPT® – O is specifically designed bioenzymes product for the treatment of oil and grease in waste water treatment plants and oily sludges.

- Key features
 - ◆ High process stability and reproducibility
 - ◆ Improved quality of treated effluent
 - ◆ Compliance to statutory PCB norms
 - ◆ Increased operational efficiency

3.0 Application :

- Oil & petroleum exploration
- Chemical company
- Shipping yard & ports
- Iron & steel industry
- Transport corporations
- Automobile industries

4.0 Core objectives :

- Clean and green approach (Eco-friendly Product)
- Reduces waste by-products
- Short time duration for commissioning ETP
- Improves efficiency in bioremediation of oily sludge
- Works well even if the Effluent treatment plant is over designed or under designed
- Reduces operational cost

5.0 Product specifications :

Colour	Tan to off white
Nature	Fluffy dry powder, added in luke warm water for activation
Odour	Odourless
Dispersability in water	High
Active ingredients	Mixture of selective Bacillus strains producing various enzymes like lipase, protease, amylase, cellulase
Strain speciality	Non-GMO organism with inducible enzyme system

6.0 Advantages :

- High process stability
- Reduction of oil & grease
- Reduction of odor
- Operational cost are very low
- Increase the efficiency of ETP
- Reduction in oil hydrocarbons content to the permissible limits
- Eco friendly
- No secondary waste

7.0 Application point(s) :

- Collection tank
- Aeration tank

8.0 Usage Procedure :

- Mix FERMSEPT[®]-O in warm water (1: 4) and keep for 30 min (1 kg of product in 4 liter of Luke warm water)
- Mix the suspension gently for proper dispersion
- Dose the suspension at the appropriate application point

9.0 Storage and transport stability :

Product can be stored at room temperature under dry conditions. Product stability is for 18 months at the prescribed conditions from the date of production. The product is safe to transport by any means of surface transport and air transport.

10.0 Safety :

This product is non-toxic, non-pathogenic non-hazardous, non-contagious, non-corrosive. Bio-enzyme used are from WHO recommended natural strains which ensures (Non-GMO's) safety. Hence poses no threat to the environment. It creates no heat, no fumes, no boiling. It does not attack live tissue or any inorganic materials.



FERMENTA BIOTECH LTD.

DIL Complex, Ghodbunder Road, Thane (West) - 400 610, Maharashtra, India.
Tel. : +91 22 6798 0888 • Fax : +91 22 6798 0999
Email : bioenviros@fermentabiotech.com