

# EFFLUZYME-PRO

## EFFLUENT TREATMENT FOR INDUSTRIES

We offer Products for the reduction of BOD, COD, Sludge, Suspendeds, Colour and odor in the Water Treatment Plants. Probiotic Products are Pro-biological Stimulants, Buffers and Nutrients, which improve the efficiency of microorganisms. Probiotics are designed to work with indigenous microbes in Wastewater Treatment Plants to create healthier, more effective microorganisms that are better able to stabilize and reduce the waste. Probiotics assists the Microbes in establishing and maintaining a more efficient life function, which is useful in accomplishing many positive environmental objectives. The highly active microbes speed up the natural reduction of Pollution by allong the Pollutants to become a food source for the mizzcrobes. Solid reduction, reduced BOD, COD, less sludge hauling and decrease in the use of inorganic chemicals are some of the benefits of using Probiotic Products. Probiotic is just opposite of antibiotic. It will work to support indigenous microbes, which will help to create an Ecosystem to build up the Aerobic bacterial opulation and higher Dissolved Oxygen (DO) levels. It will also create condition for the proliferation of cyno and photosynthesis bacteria, which will be primarily responsible for creating elemental oxygen in water. Apart from this, our composition, Effluzyme has small energy systems, which are capable of splitting water molecules, thereby producing elemental oxygen. It is nothing but rebuilding Nature in the Effluent Treatment Plant.

Application :- Manual, once in a day or twice depending on the size of the Treatment Plant. It is added at the inlet of the Aeration Tank.

EFFLUZYME-PRO is a complex mixture of micro organisms will treat the effluent against any toxicity due to Ammonia, Sulphates, heavy metals, petroleum hydrocarbons etc. Either one or more Products are dozed depending on the nature and characteristics of the effluent.

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# EFFLUZYME-PRO

## MICROBIAL AND BIOMOLECULAR APPROACH

Microbes play a major role in environmental biotechnology and hence as the agents for the detoxification of hazardous wastes. Bioaugmentation, Biostimulation and simulation strategy is applied.

## EFFLUENT WATER INDUSTRIES

Brewery industry  
Textile industry  
Alcohol industry  
Pharmaceutical industry  
Leather industry  
Other small industries & Municipal waste water

## OUR OBJECTIVES

Reduction of COD & BOD  
Reduction of TDS & TSS  
Reduction of Color & Odor  
.....in the effluent in a sustainable and eco-friendly way

## ADVANTAGES

Highly effective  
Short span of time  
Environmental-friendly  
Cost-effective and can avoid the chlorination process  
90-100% water will be recycled

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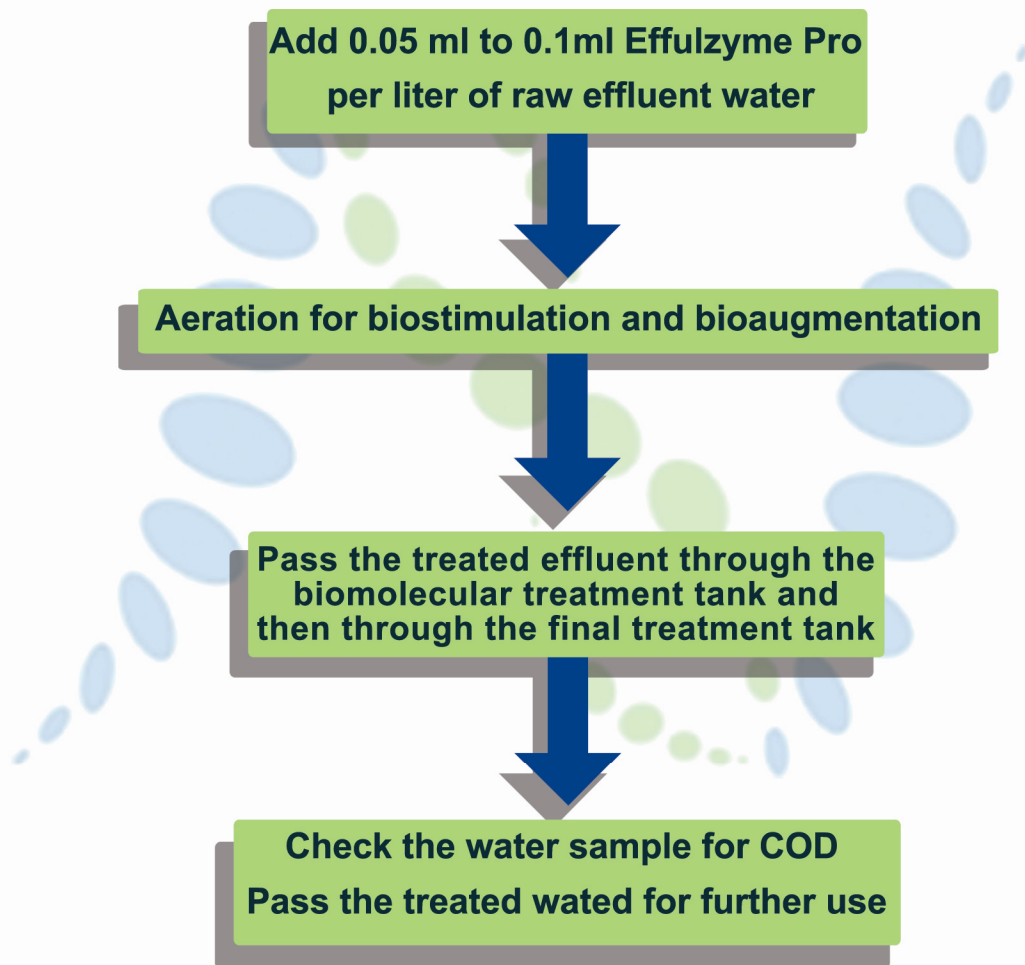
## **EFFLUZYME-PRO** (AN ECO-FRIEND)

- EFFLUZYME-PRO designed to work with indigenous microbes in Wastewater Treatment Plants to create healthier, more effective process that can reduce the hazardous pollutants
  
- EFFLUZYME-PRO a mixture of highly active microbes speeds up the natural reduction of pollution by allowing the pollutants to become nontoxic and nonhazardous materials.
  
- Solid reduction, reduced BOD, COD, less sludge hauling and decrease in the use of inorganic chemicals
  
- EFFLUZYME-PRO helps to create an Ecosystem to build up the Aerobic bacterial population and higher Dissolved Oxygen (DO) levels. It will also create favorable conditions for the proliferation of cyano- and photosynthetic bacteria
  
- EFFLUZYME-PRO has small energy systems, which are capable of splitting water molecules, thereby producing elemental oxygen. It is nothing but rebuilding Nature in the Effluent Treatment Plant.
  
- EFFLUZYME-PRO is a complex mixture of microorganisms and biomolecules treats the effluents containing any toxic materials like Ammonia, Sulphates, heavy metals, petroleum hydrocarbons, aromatic compounds, oil and grease etc.
  
- Decolorization of dyes

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## ACHIEVEMENTS

EFFLUZYME-PRO successfully reduced COD levels from 45,000 ppm to the normally acceptable levels (as per PCB norms)

Effluent Parameters			Initial COD /BOD Level	Reduction of COD /BOD	DO in aeration tank	PH in Tank	Colour of treated effluent
SL No	Type of Industry	Probiotic application					
1	Ethanol production / Distillery	Before	3,000/ 1,500	————	0.6-0.8	4.0-6.0	Pale Yellow
		After	————	150/40	2.5-4.4	6.8-7.5	Colourless
2	Sewage / canteen	Before	750/ 450	————	1.0-1.5	6.0	Turbid
		After	————	90/10	3.5-5.5	6.8-7.5	Colourless
3	Bulk drug units	Before	5,000/ 3,000	————	0.2-0.4	4.0-6.0	Reddish
		After	————	500/200	2.5-3.5	6.8-7.5	Clear

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