



A U M E N Z Y M E S

Aum Enzymes
India's #1 Speciality Enzyme Products

Effluentzyme TXI Ecomicroorganism & Enzymes

BENEFITS

Breakdown of organic wastes to simple compound.
Unique feature to create additional enzymes for continuous reactions.
Reduce BOD, COD and odor
Reduces and liquefies solids
Safety in operation of effluent systems
Efficient and specific in action
Reduces process cycle time & eco friendly, biodegradable
Non pathogenic, economical, safe to handle, store and apply

DESCRIPTION

Effluentzyme TXI is a mixture of various enzymes and aerobic as well as anaerobic m.orgs to be used in textile effluent treatment. The m.orgs and enzymes in Effluentzyme TXI rapid degrade general textile waste with emphasis on non-ionic and an-ionic surfactants and their components, including aromatic and fatty acid. It specifically degrades the most common textile effluent having organic and nitrogen load generated in processes like desizing, weaving, knitting, wool scouring, bleaching, finishing etc.,

Organic wastes of textile effluent contain a mixture of complex compounds, which have to be broken down to simple compounds before disposal.

Heavy metals in high concentration shall inhibit the enzymes activity in Effluentzyme TXI. The presence of chlorine can also inhibit the enzyme activity; hence the organic wastes should be neutralized before the addition Effluentzyme TXI.

PRODUCT SPECIFICATION:

Physical form	Powder
Aerobic & Anaerobic bacterial counts	Six billion CFU / gram
Enzymes type	Mixture
pH operational range	5.5 to 9.5
Temperature operational range	15°C to 45°C
Odour	Fermenting
Appearance	Brown powder

APPLICATION & DOSAGE

While using, Effluentzyme TXI it is recommended first to establish the optimal conditions for the desired effluent treatment by experimenting on small volume. There are many factors that influence effluent treatment with Effluentzyme TXI:

[1] Type of effluent [2] Nature of effluent [3] Temperature and pH [4] process time [5] Dosage

The dosage of Effluentzyme TXI for textile effluent treatment depends on effluent conditions and requirement.

STORAGE

Enzyme products should be stored in a cool dry place. When stored below 35°C products will maintain its declared activity for at least 24 months.

PAKAGING

Enzyme products are available in 25kg bag packing.

SAFETY

The product is produced under hygienic condition and is subject to stringent quality control

Toxicology

The product produced by GRAS microorganism and is classified as non toxic.

Biodegradability

Product is Biodegradable.

Handling precaution

Enzymes are proteins and inhalation of dust or aerosols may induce sensitization and may cause allergic reactions in sensitized individuals. Some enzymes may irritate the skin, eyes and mucous membranes upon prolonged contact.

REGULATORY INFORMATION:

EEC Classification

In concentration form, the enzymes products are classified as "sensitizers by inhalation" under the terms of EEC directive 88/379.

TECHNICAL SERVICE:

AumEnzymes technical service laboratory shall be pleased to provide more information covering specific applications for all products or discuss any practical problem which many occur in the industry.

Technical datasheet given with each product are only given as usage guidelines, but tests should be carried out under local conditions to fix the optimum dosage for the machine type and conditions.

AUM ENZYMES

30, Bhakti Nagar, Nr. Jalaram Mandir,

At Post: BORSAD, Pin code: 388 540

City: Anand. (Gujarat) INDIA

Phone: +91 2696-221891, Mobile: +91- 9898383455

E-mail: info@aumenzymes.com, Website: www.aumenzymes.com