



## Product Facts

### ZION AN 9030 Anaerobic Bacteria Culture

#### APPLICATION

ZION AN 9030, a specially formulated microbial product with micronutrient is able to degrade variety of organic compounds in the anaerobic biological systems like anaerobic lagoons, UASBR, anaerobic digesters, septic tanks. Mixed bacterial consortium present in ZION AN 9030 is able to adapt in the system and proliferate and effectively reduce BOD & COD. ZION AN 9030 has been developed to:

- Ensure efficient, rapid, cost effective establishment of biomass in anaerobic waste water treatment plants of sugar, distillery, food & beverages, starch and sago industries.
- Ensure efficient, rapid, cost effective establishment of biomass in anaerobic sewage treatment plants.
- Accelerate the process of biodegradation to enhance the treatment capacity and its operation and maintenance.
- Improve the quality of the effluent discharged due to efficient biodegradation.

#### PRODUCT DETAILS:

Contains facultative bacterial species, acidogens, flavobacterium, pseudomonas, Methanogenes etc;

The bacteria are isolated, selected, adapted and proliferated in specific media and blended in the required proportion. The bacteria is immobilized on to the carrier and dried. All necessary nutrients are added in the media. Bio surfactants are added to assist the initial biodegradation.

#### PRODUCT SPECIFICATION:

Form: Free flowing, dry powder  
Colour: Buff to brown  
Contents: Bacteria, yeast, surfactant, biocarriers, micronutrients. Microbial population is in multiples of 10<sup>9</sup> colonies/gram.

#### DOSAGE:

For a new system/for existing system. For existing system with with insufficient biomass reasonable biomass Initial dosage: 10-12ppm on anaerobic 5-6ppm on anaerobic tank tank volume for 7 days volume for 7 days. Follow-up dosage: 5ppm on influent 5ppm on influent volume volume for 10days for 10days. Maintenance dosage: 2ppm on influent 2ppm on influent volume.

Dealer / Distributor



**ZION ENVIRO SYSTEMS (P) LTD.**  
TOTAL ENVIRO CARE  
An ISO 9001 : 2008 Company

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