

TECHNICAL INFORMATION SHEET

PRODUCT NAME:

ENVIROBEADS 301

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Replaces all previous editions



SECTION 1: PRODUCT IDENTIFICATION

Product Name:	ENVIRONOC 301 EnviroBeads
Harmonized Tariff Code:	3002 90 10 00
Manufacturer Address:	<i>Biodyne South Africa</i> P.O. Box 124 Somerset West South Africa 7129
Telephone/Email:	072 624 4512 marco@biodyne.co.za

SECTION 2: COMPOSITION

.	23 species of live microorganisms representing 10 different genera	
	Bacteria:	Gram + and gram – strains that degrade carbohydrates, proteins and lipids with some strains that are able to reduce the levels of hydrogen sulfide and metabolize various forms of inorganic nitrogen.
	Actinomycetes:	Specialized group of bacteria that have the ability to degrade complex polymers such as cellulose, chitin, their intermediates and related compounds.
	Fungi:	Unicellular fungi with complementary degradation skills.

SECTION 3: APPLICATIONS

Reduced BOD, COD, sludge, grease and hydrogen sulfide in wastewater treatment and collection systems	Increased removal of BOD, TSS, grease, odors through the activities of highly efficient oxidative microbes resulting in reduced sludge production; also reduced odor and maintenance in pumping stations
Reduced grease in restaurants, food preparation and processing facilities that lead to excessive pumping, line plugging and odor	Reduced maintenance through reduction of grease in lines and traps, often accompanied by reduced BOD values and an overall reduction of odor in the entire collection system
Improved performance of septic tanks and drain fields	Reduced grease and solids production with gradual improvement of drain field percolation and vertical transpiration of fluid via surface greenery
Waste and odor control in animal cultivation	Reduced waste odor and thickness for pumping from waste pits and reduction of H ₂ S and/or ammonia odors in dairy cattle enclosures, pig farms, chicken and turkey farms, zoological enclosures, etc.
Algae Control in aquaria and ponds	Reduced solids and control of algae in aquaria, ponds and lagoons
Aquaculture	Reduced solids and odors and reduced potential nitrogenous inhibitors

Product application rates are based on volume and levels. Contact your distributor to determine the rate.

SECTION 4: SPECIFICATIONS

Appearance:	Tan- to brown-colored Gel balls that are sold loose or in Netting bags.
Odour:	Fresh product has a mild odour of creamed corn. Stored product will be stronger with time.
Packaging:	Various Buckets from 1 to 20KG containers
pH:	6.5 – 7.5
Concentration:	>500 million microbes per gram of product
Other Ingredients:	<0.25% mixture of soy protein, yeast extract, molasses, SAP infused with water
Solubility in Water:	Slowly disperses its contents in water

Note - The carrier is a SAP based inert Gel product made from liquid microbial mixture.
The MSDS of this Inert SAP microbe carrying gel is separately supplied with product MSDS.

SECTION 5: STORAGE

Store in a cool location in original container: **(Do Not Freeze)**

Room Temperature:	At ambient temperature the product should maintain its predicted activity for up to 6 months
Refrigeration:	With refrigeration, the product should maintain its predicted activity for up to 9 months

Note: **Use By Date** – Beyond the periods mentioned above, the product will not go “bad” but rather due to possible reduction in microbial numbers, the recommended dose for application may no longer achieve the desired result. By increasing the dose, the product may still provide acceptable results.

SECTION 7: OTHER INFORMATION

Manufacturer's Responsibility: The information provided in this technical information sheet represents the best information about the product at this point in time. As new information appears regarding any piece of critical information in this document, it will be added.