

TECHNICAL INFORMATION SHEET

PRODUCT NAME:

ENVIRONOC 501

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Replaces all previous editions



SECTION 1: PRODUCT IDENTIFICATION

Product Name: **ENVIRONOC 501**

Harmonized Tariff Code: **3002 90 10 00**

Manufacturer Address: ***Biodyne South Africa***
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SECTION 2: COMPOSITION

A liquid microbial mixture 29 species of live microorganisms representing 11 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 and mycelial fungi with specialized degradation skills.

SECTION 3: APPLICATIONS

Reduction of wastewater solids & sludge in many polymer-rich, insoluble manufacturing operations Increased efficiency of removal of BOD, TSS, odors and sludge, especially in industries where accumulated sludge is land-spread for final disposition

Home and commercial composting Degradation of complex polymers like cellulose, starch and lignin to reduce the volume of home or commercial recycled plant waste

Landfill green waste reduction operations Reduced volume and potential recycling of collected green waste due to the activities of organisms capable of degrading complex molecules

Agricultural field stubble reduction of many crops Reduction of stubble management in no till or low till operations through the degradation activities of microbes that can recycle nutrients in stubble

Grass de-thatching Reduction of accumulated mowing debris through the action of microbes to provide a healthier environment for the growth of the vegetation

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

SECTION 4: SPECIFICATIONS

Appearance:	Tan- to brown-colored liquid that flows like water
Odour:	Fresh product has a mild odour of creamed corn. Stored product will be stronger with time.
Packaging:	2, 3, 5 and 20 liter containers
pH:	6.5 – 7.5
Concentration:	>100 million microbes per milliliter
Other Ingredients:	<0.25% mixture of soy protein, yeast extract and molasses in water
Solubility in Water:	Easily dispersible in water

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 3 months
Refrigeration:	With refrigeration, the product should maintain its predicted activity for up to 6 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.