

TECHNICAL INFORMATION SHEET

PRODUCT NAME:

ENVIRONOC 401

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Replaces all previous editions



SECTION 1: PRODUCT IDENTIFICATION

Product Name: **ENVIRONOC 401**

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

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

A liquid microbial mixture 25 species of live microorganisms representing 8 different genera

Bacteria: Gram + and gram – strains that degrade carbohydrates, proteins and lipids; strains that are able to produce growth stimulators and nutrient chelators; strains that fix atmospheric nitrogen and solubilize phosphorus.

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

Enhanced: growth of many leafy vegetables and root crops	Increased leaves, larger diameter stems, more diffuse roots
Enhanced growth of many flowering plants	Increased early growth, faster to flower, more flowers and larger flowers
Home and commercial lawn application for general health and reduced fertilizer needs	Reduced nitrogen via nitrogen fixation and reduced phosphorus via solubilization of otherwise less available or unavailable sources and enhanced iron capture through the action of microbial chelators
Golf course greens, fairway and landscape amendment	Healthy root systems and reduced nitrogen and phosphorus fertilizer needs
Reduction of agricultural chemical accumulation	Potential to reduce soil herbicides and pesticides that tend to accumulate over time with regular use

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 odor of creamed corn. Stored product will have stronger odour 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.