

TECHNICAL INFORMATION SHEET

PRODUCT NAME:

ENVIRONOC 301

Date of Issue: 01 January 2014
Revision Number: 1
Replaces all previous editions



SECTION 1: PRODUCT IDENTIFICATION

Product Name: **ENVIRONOC 301**

Manufacturer Address: ***Biodyne South Africa***
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SECTION 2: Non Pathogenic COMPOSITION (incl What it most effectively targets)

A liquid mixture produced from freeze-dried strains 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

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| Wastewater Treatment: Plant Performance | Increased efficiency of removal of BOD, TSS, grease, odours and sludge |
| Wastewater Pumping Stations (Lift Stations) | Reduced maintenance through reduction of H ₂ S and grease |
| Restaurant Grease and Odour Control | Reduced maintenance through reduction of grease and possible obstructions and reduced odour from inside and outside grease traps |
| Septic Tank Performance | Increased efficiency of septic tank and drain field |
| Farm animal housing waste pits | Reduced thickness for pumping and odour control |
| Odour control in animal housing | Reduction of H ₂ S and/or ammonia odours in dairy cattle enclosures, pig farms, chicken and turkey farms, zoological enclosures, etc. |
| Aquaculture | Reduced solids and odours and reduced potential nitrogenous inhibitors |
| Algae Control | Reduced solids and control of algae in aquaria, ponds and lagoons |

SECTION 4: SPECIFICATIONS

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|----------------------|--|
| 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 or 20 liter containers |
| pH: | 6.5 – 7.5 |
| Concentration: | >500 million microbes per milliliter or 5×10^{12} Microbes per liter |
| 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.