



ENVIRONOC® 301 -Beneficial Microorganisms- *Technical Information, Uses, and Dosing Instruction*

Environoc 301 Uses:

Reduced BOD, COD, sludge, grease and Odor in Industrial Waste Water and Collections systems. Waste and odor control in livestock operations. Reduced Odor and Grease in restaurants, food preparation and processing facilities. Improved performance of Septic Tanks and Drain Field Recovery, Reduced Muck Layer and Algae Control in Aquaria and Ponds. General Odor control from Common Organics and Waste.

Technical Information

- *Please Store at Room Temperature or below, DO NOT FREEZE. Product will have a strong odor due to Microbial Activity.*
- *For Best Results, shake before using since settling can occur.*
- *If combining with other products avoid having them mixed together for extended periods of time. Some chemicals can be detrimental to the microbes. If mixing with other products, it is best to mix shortly before the application (Just in Time).*
- *Product is 100% natural beneficial microbes and safe around plants and animals. Keep out of reach of Children and Do Not Ingest, If accidental ingestion occurs or product gets into eyes, contact your healthcare provider immediately.*



Environoc 301 Dosing:

Septic Tanks

- Maintenance- One Quart every 2 months OR 1 Gallon every 6 months: Pour a portion of the inoculant down the various drains and toilets in the house, make sure to rinse the bottle three times and also pour down the drains.
- Fouled absorption / drain field Recovery- Use 2.5 - 5 gallons in Distribution box *After* having lines jetted.

Livestock Operations

- **MANURE PIT, and LAGOON TREATMENT-** Use Up To 10 gallons of product per surface acre for initial treatment. Follow up every 2-4 weeks with up to 5 gallons per surface acre. Application rates may be adjusted based on individual scenarios. (*Surface Acre=length x width/43,560*) Alternative Dosing= 1 Gallon per 25,000 Gallon Capacity.
- **MANURE PILES- TO CONTROL ODOR AND FACILITATE WASTE DEGRADATION-** Dilute with water and spray directly on manure pile. Dilute at a rate of at least 8oz. per gallon of water (dilution of **1:16** Environoc to Water). Dilution rates can be adjusted based on the concentration of odor. Allow to dry naturally. Repeat application every few days or as needed.
- **PREMISE TREATMENT- TO CONTROL ODOR IN BARN, STALLS PENS AND FLOORS -** Dilute with water and spray entire area. Dilute at a rate of at least 8 oz.per gallon water (dilution of **1:16** Environoc to Water). Dilution rates can be adjusted based on the concentration of odor. Allow to dry naturally. Repeat application every few days or as needed.

Food Service Grease Control

- **In Store Grease Trap:** Smaller establishments have floor mounted or in-floor grease traps near the sink. These can benefit greatly from 301 treatments. 1 Quart per week recommended. Add 301 at the end of the last shift once per week and Rinse the bottle Three times, pouring the rinse down the drain all three times.
- **500 Gallon Exterior Grease Trap:** Requires 2 Quarts per week. Pour 1 Quart down various drain lines twice per week. Add 301 at the end of the last shift twice per week and then pour 1-2 quarts of water down the drain behind the 301 to establish the inoculant in lines and trap.
- **1000 Gallon Exterior Grease Trap (Can use Feed System)** Requires 1 Gallon Per week. For best results pour in 2 – 3 equal doses per week. Add 301 at the end of the last shift and then pour 1-2 quarts of water down the drain behind the 301 to establish the inoculant in lines and trap.



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Ponds, Lakes, Aquaria, Aquaculture

Dosing based on Acre Feet water body size calculations. One Acre Foot is a one-acre pond average one foot deep. An acre foot is equal to 326,000 gallons. Example calculation- A 2 acre pond, average depth of 4 feet would be total 6 acre feet. Use Environoc 301 every month year round to establish good colony of beneficial microbes

- **Initial Dose- One Gallon Per Acre Foot Monthly**
- **Maintenance Dose- ½ Gallon Per Acre Foot**

****For Ponds less than 10,000 gallons (.03 acre feet) Use the Following Dosing**

- **Initial Dose-** Apply 8 ounces per 1000 gallons of pond water
- **Maintenance Dose-** Apply 4 ounces per 1000 gallons every 2-4 weeks as needed

General Household / Commercial Odor Control

Example Treatments:

Bathrooms / Urinals, Trash Cans, Sinks and Garbage Disposals, Dishwashers, Washing Machine Drain Lines, Pet Waste Odors, Food Compost, Cesspools, Holding Tanks, Port a Potty, Pit Toilets, ect.

- Dilute with water and spray entire area. Dilute at a rate of at least 8 oz. per gallon water (dilution of **1:16** Environoc 301 to Water). Dilution rates can be adjusted based on the concentration of odor. Allow to dry naturally. Repeat application every few days to a week, and then treat as needed. ***For maximum effectiveness, use the diluted product within a week after dilution.*

Municipal / Industrial Wastewater Applications

- Please consult your distributor or Biodyne Midwest



Packaging: Quart, Gallon, 2.5 Gallon, 55 Gallon Drum, 250 Gallon Tote



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