



Turning Liabilities Into Leverage!

# MicroClear® BioNite™

## Odor Suppressant & Biological Organic Degradation. BOD / TSS Reduction

### Product Bulletin

*Environmental Leverage has Lab Analysis Service Available*



Bulk Packaging Only

### Controls

Odors

Hydrogen sulfide,  
Mercaptans, and Volatile  
Organic Acids.  
Corrosion  
BOD / TSS Reduction

### Degrades

Fats, Oils & Grease  
Starches  
Protein, Animal Fat  
Organics  
Triglycerides  
Surfactants, Soaps

### Environmental Leverage® Inc.

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**MicroClear® BioNite™** is a proprietary formulation of ingredients containing a nitrate-based Electron Acceptor for Control of Odors. This product can be used for controlling odorous and potentially dangerous chemicals such as hydrogen sulfide, mercaptans, and volatile organic acids. **MicroClear® BioNite™** helps eliminate the odor, corrosion and safety problems associated with hydrogen sulfide in sewage as well as prevent the formation of hydrogen sulfide.

**MicroClear® BioNite™** a high potency, bacteria-laden, powdered formulation, for use in degrading many types of waste. **MicroClear® BioNite™** contains a specially formulated, proprietary blend of microorganisms, micro/macronutrients, alternate oxygen source and surface tension suppressants/penetrants. Because of the diversity of the microorganism systems incorporated into this product it is specifically developed for use *in situations where there is a particular high impact from odors as well as fats, oils and grease.*

Our safe, naturally occurring bacteria are present in high numbers to handle difficult organic problems, suppress odors and are very economical to use. This product can be used in the treatment of liquid & solid organic waste.

**MicroClear® BioNite™** contains facultative anaerobes, as well as an alternate oxygen source by providing an abundance of oxygen (electron acceptor) for metabolism to occur. This formulation bio-stimulant is non-hazardous and completely biodegradable. Safe, cost effective, easy-to-handle method of odor control with no hazardous byproducts. **This product works great in conjunction with Solid Slow Release MicroBlock™**

### Enzymatic Activity

Cellulase (CAU).....Units/Gram: 150 Min.  
Protease (Casein Digesting).....Units/Gram: 35,000 Min.  
Amylase (Modified Wohlgemuth).....Units/Gram: 55,000-80,000  
Lipase (USP).....Units/Gram: 400



### Product Advantages

- Eliminates malodors at their source
- Contains Alternate Oxygen Source
- Reduces Corrosion
- Greatly reduces labor time
- Enhances BOD/COD removal
- Reduces hydrogen sulfide
- Reduces sludge buildup
- Cost effective/Easy to use
- Changes biomass dynamics
- No special equipment needed
- Increases system efficiency
- Breaks down fat & grease buildup
- Contains facultative aerobes
- Degrades a wide range of complex organic compounds

### Applications of Use

- LIFT STATIONS
- WET WELLS
- SUMP PITS
- SLUDGE TANKS
- SEWER MAINS
- GREASE TRAPS
- LAGOON'S
- TRICKLING FILTERS
- DRAIN LINES
- PONDS

### Packaging of Product

**MicroClear® BioNite™** comes in Bulk only.  
Packaged in 25-lb. Plastic Pails.





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### Typical Properties of Product

Appearance.....light tan  
Fragrance.....mild-earthly  
Form.....powder  
pH.....6.8-8.5  
Shelf-Life.....1 year/u.o.c.  
Flash Point.....none



### Performance Properties

Effective pH range.....5.2 - 9.5  
Effective Temperature Range.....35 - 130°F  
Bacterial Enzyme Production.....Protease,  
Lipase, Amylase, Urease, Cellulase

### Storage & Handling

Storage.....Store in a cool, dry place. Do Not Freeze  
Container.....Keep lid closed on Plastic Pail. Do not store water  
soluble pouches out of plastic container.

Handling.....Wash hands thoroughly with warm, soapy water

### Bacterial Count

MicroClear® BioNite™ .....>1x10<sup>9</sup> (Billion per gram)

