



Turning Liabilities Into Leverage!

# MicroClear® M-100

## Micro Stimulant

### Product Bulletin

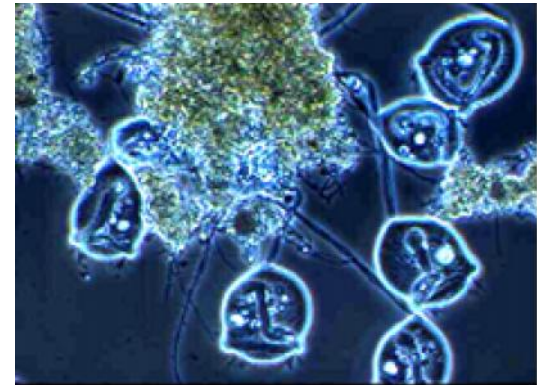
*Environmental Leverage has Lab Analysis Service Available*

**MicroClear® M-100** is a proprietary formulation of micronutrients designed to enhance the performance of biological systems. It enhances biological growth, shortens lag time, increases biological activity and provides the critical building blocks necessary to maintaining a healthy floc-forming population. The formulation consists of micronutrients, trace minerals, amino acids and vitamins. There are sixteen trace minerals, including calcium, iron, magnesium, manganese and zinc. The formulation also includes twenty amino acids, such as glycine, and thirteen vitamins, including folic acid.

**Product Uses:** Regular application of **MicroClear® M-100** can provide numerous benefits to operators of all types of biological waste treatment processes. Research has shown that inadequate micronutrients can lead to poor settling or high effluent suspended solids due to unhealthy floc. The addition of micronutrients also increases the biological degradation rate in many situations which will allow the biomass to more rapidly respond to sudden increases in loads or toxic shocks. Finally, laboratory studies indicate that application of micronutrients can lower final effluent BOD<sub>5</sub> levels by maintaining a healthy population capable of more complete organic reduction in a shorter time.



**Enzymatic Activity**  
**All Natural Inorganic**  
**Vitamins & Nutrients**  
**To Enhance**  
**Biological Growth**



### Product Advantages

- Shortens Lag Time
- Enhances BOD/COD removal
- Reduces sludge buildup
- Cost effective/Easy to use
- Changes biomass dynamics
- No special equipment needed
- Increases system efficiency
- Increase characteristics in floc structure

### Applications of Use

- RBC'S
- Primary CLARIFIERS
- DIGESTERS
- SLUDGE TANKS
- Secondary CLARIFIERS
- AERATED BASINS
- GREASE TRAPS
- AERATION TANKS
- LAGOONS
- TRICKLING FILTERS
- STATIC PONDS

### Packaging of Product

**MicroClear® M-100** comes in 1-lb. water soluble Bio-pouches. Packaged in 25-lb. Plastic Pails. Bulk packaging available upon request.

### Environmental Leverage® Inc.

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### Typical Properties of Product

Appearance.....Dark Green  
 Fragrance.....mild-earthy  
 Form.....powder  
 pH.....6.5-7.5  
 Shelf-Life.....2 years/u.o.c.  
 Flash Point.....none

### Performance Properties

Effective pH range.....5.2 - 9.5  
 Effective Temperature Range.....35 - 130°F

### 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

### Micronutrients, Trace Minerals & Elements

#### **16 Trace Minerals**

|                 |                           |
|-----------------|---------------------------|
| Calcium         | 1.9%                      |
| Iron            | .08%                      |
| Magnesium       | .123%                     |
| Zinc            | .0035%                    |
| Phosphorus      | 0.1 %                     |
| Trace Vitamins: | <b>A, B, D, E &amp; K</b> |
| Folic Acid      | 0.3mg                     |
| Ascorbic Acid   | 150,000 mg                |
| Niacin          | 2,500 mg                  |

### Enzymatic Activity

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