MicroClear® 105 is a high potency, bacteria-laden, powdered formulation, for use in degrading many types of waste. MicroClear® 105 contains a specially formulated, proprietary blend of microorganisms, micro/macronutrients, and surface tension suppressants/penetrants are specifically developed for use in anaerobic wastewater applications. This potent combination of billions of active Facultative and Anaerobic bacteria cultures are specially engineered to degrade animal fats, oils, and greases. The strong enzyme activity enhances and increases lipid reduction by converting lipids into carbon dioxide and water.

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

**Product Advantages**
- 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
- Eliminates malodors at their source
- Contains facultative anaerobes
- Contains no chemicals
- Degrades a wide range of complex organic compounds

**Applications of Use**
- Anaerobic Digester
- List Station
- Wet wells
- Collection System
- Facultative Lagoons

**Packaging of Product**

Environmental Leverage has Lab Analysis Service Available
**MicroClear® 105**

*For Anaerobic Digesters*

**Product Bulletin**

**Typical Properties of Product**

- **Appearance**: light tan
- **Fragrance**: mild-earthy
- **Form**: powder
- **pH**: 6.8-8.5
- **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
- **Bacterial Enzyme Production**: Protease, Lipase, Amylase, Urease, Cellulase
- **Facultative growth**: with or without oxygen

**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® 105**: >1x10⁹ (Billion per gram)

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