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

**Environmental Leverage® Inc.**
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MicroClear® 105  BOD Removal & Increase Methane Production
For Anaerobic Digesters
Product Bulletin

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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)