



Turning Liabilities Into Leverage!

MicroClear® 105 *BOD Removal & Increase Methane Production* For Anaerobic Digesters

Product Bulletin

Environmental Leverage has Lab Analysis Service Available

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.



1-lb. Water Soluble Bio-Pouch

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.

- Degrades**
- Fats, Oils & Grease
 - Starches
 - Proteins
 - Malodors
 - Animal Fats
 - Triglycerides
 - Foaming
 - Surfactants/Soaps
 - Chemicals



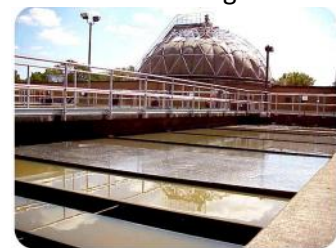
Product Advantages

- 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



Environmental Leverage® Inc.

1454 Louis Bork Drive
Batavia, IL 60510

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www.EnvironmentalLeverage.com

Packaging of Product

MicroClear® 105 comes in
1-lb. water soluble Bio-pouches.
Packaged in 25-lb. Plastic Pails.
Bulk packaging upon request.





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Typical Properties of Product

Appearance.....light tan
 Fragrance.....mild-earthly
 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 Range35 - 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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