



Turning Liabilities Into Leverage!

MicroClear® 209

Marine Sanitation Devices

BOD Removal & TSS Reduction
Odor Control

Product Bulletin

Environmental Leverage has Lab Analysis Service Available

MicroClear® 209 is a high potency, bacteria-laden, powdered formulation, is specially formulated & packaged for direct addition to holding tanks, marine heads, drains and grease traps. Use in boats, marinas, restaurants and commercial buildings.

MicroClear® 209 contains a specially formulated, proprietary blend of microorganisms, micro/macronutrients, and surface tension suppressants/penetrants. The safe, naturally occurring bacteria are present in high numbers to handle difficult organic problems, reduce odors and are very economical to use.



1-lb. Water Soluble Bio-Pouch

Application Instructions for Marine Sanitation Devices

Flow Rate	Initial Dosage	Maintenance**
Up to 25,000gpd	1lb. per week	½ lb. per week
Up to 50,000gpd	1lb. 2x week	1 lb. per week
Up to 100,000gpd	1lb. every other day	1 lb. 2x week
Up to 250,000gpd	1lb. per day	1 lb. 3x week

Product Advantages

- Use in all Sewage Holding Tanks
- Marine Sewage Pump out Facility
- Use in Boat, RV, Portable, & Chemical Toilets
- Use for both Grey & Black Water Treatment
- Port & Terminal Reception
- Facilities Issues
- Greatly reduces labor time
- Enhances BOD/COD removal
- Reduces hydrogen sulfide
- Reduces sludge buildup
- Cost effective & Easy to use
- Changes biomass dynamics
- Increases system efficiency
- Breaks down fat & grease buildup
- Eliminates malodors at their source
- Contains facultative anaerobes
- Grease Trap and Drain Maintenance
- Contains no chemicals
- Degrades a wide range of complex organic compounds
- No special equipment needed

Applications of Use

- MARINE SANITATION DEVICES
- BALLAST TANKS
- LIFT STATIONS
- TRANSFER STATIONS
- WET WELLS
- SUMP PITS
- MARINE SEWAGE HOLDING TANKS
- CRUISE SHIPS, LARGE & SMALL BOATS
- OXIDATION TANKS
- DIGESTERS
- SLUDGE TANKS
- SEWER MAINS
- LATERALS
- GREASE TRAPS
- DRAIN LINES

- Degrades**
- Black & Grey Water
 - Ballast Water
 - Fats, Oils & Grease
 - Starches
 - Protein
 - Malodors
 - Animal Fat
 - Triglycerides
 - Foaming
 - Surfactants
 - Soaps



Environmental Leverage® Inc.

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Batavia, IL 60510

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630-906-9791 fax 630-906-9792

www.EnvironmentalLeverage.com

Packaging of Product

MicroClear® 209 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-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 Ran.....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® 209.....>1x10⁹ (Billion per gram)



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