



Turning Liabilities Into Leverage!

# MicroClear® 209 Marine Sanitation Devices

## 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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630-906-9791 fax 630-906-9792

[www.EnvironmentalLeverage.com](http://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.....>1x10<sup>9</sup> (Billion per gram)



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