



Turning Liabilities Into Leverage!

# MicroClear® MicroChill™

## For Use in Cold Weather Temperatures

### Product Bulletin

*Environmental Leverage has Lab Analysis Service Available*



1-lb. Water Soluble Bio-Pouch

### Degrades

- Fats, Oil & Grease
- Complex Organics
- Starches
- Proteins, Animal Fats
- Triglycerides
- Soaps, Surfactants
- Sludge Volume
- Foaming
- BTEX
- Phenols
- Ammonia, Amines

- Increased Permit Compliance
- Reduces Foaming
- Increases BOD reduction
- Decrease Excess Sludge Volume
- Increase TSS reduction

**Environmental Leverage® Inc.**  
 812 Dogwood Dr. Suite A  
 North Aurora, IL 60542  
[admin@environmentalleverage.com](mailto:admin@environmentalleverage.com)  
 630-906-9791 fax 630-906-9792  
[www.EnvironmentalLeverage.com](http://www.EnvironmentalLeverage.com)

**MicroClear® MicroChill™** is a high potency, bacteria-laden, powdered formulation specifically designed for Cold Weather applications for use in degrading many types of waste. **MicroClear® MicroChill™** contains a specially isolated blend of microorganisms, micro/macronutrients, and surface tension suppressants/penetrants. **MicroClear® MicroChill™** contains a unique and **newly patented** proprietary blend of psychrophilic microorganisms that are naturally occurring bacteria with the ability to grow at 4°C, and lower. Because of the diversity of the microorganisms and enzyme systems, incorporated into this product, it is excellent for use in *Municipal and Industrial Wastewater applications*. The safe, naturally occurring bacteria are present in high numbers to handle difficult to treat wastewater problems in lower temperatures.

### Product Advantages

- Increases system efficiency in Cold Weather
- Reduction in filamentous bulking
- Increase BOD and TSS removal efficiency
- Greatly reduces labor time
- Enable Permit Compliance easier
- Reduces hydrogen sulfide
- Degrades a wide range of complex organics
- Cost effective/Easy to use
- Reduces sludge build-up
- No special equipment needed
- Breaks down fat & grease build-up
- Increase Amine breakdown
- Eliminates malodors at their source
- Contains no chemicals
- Changes biomass dynamics
- Discharge compliance is maintained
- Reduction in polymer and dewatering costs



### Application

- WASTEWATER PLANTS
- LIFT STATIONS
- COLLECTION SYSTEMS
- HOLDING TANKS
- WETWELLS
- WASTE SUMPS
- MEMBRANE REACTORS
- OXIDATION DITCHES
- RBC'S
- ACTIVATED SLUDGE
- FACULTATIVE LAGOONS
- REMEDICATION
- LAKES AND PONDS
- DIGESTERS



### Packaging of Product

**MicroClear® MicroChill™** comes in  
 1-lb. water soluble 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 .....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® MicroChill™ .....>1x10<sup>9</sup> (Billion per gram)

