



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
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 630-906-9791 fax 630-906-9792
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 Temperature35 - 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™>1x10⁹ (Billion per gram)

