



MICROCLEAR® MICROCHILL™ FOR USE IN COLD WEATHER TEMPERATURES PRODUCT BULLETIN

ENVIRONMENTAL LEVERAGE HAS LAB ANALYSIS SERVICE AVAILABLE

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

DEGRADES

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



PACKAGING OF PRODUCT

MICROCLEAR® MICROCHILL™ COMES IN
1-lb. water soluble Bio-pouches.
Packaged in 500GM pouches in a 11.2KG pails.
Bulk packaging available upon request.



APPLICATIONS OF USE

- LIFT STATIONS
- WET WELLS
- SUMP PITS
- SLUDGE TANKS
- SEWER MAINS
- GREASE TRAPS
- LAGOON'S
- TRICKLING FILTERS
- DRAIN LINES
- PONDS

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

TYPICAL PROPERTIES OF PRODUCT

Appearance.....	light tan
Fragrance.....	mild-earthly
Form.....	powder
pH.....	6.8-8.5
Shelf-Life.....	2 year/u.o.c.
Flash Point.....	none

PERFORMANCE PROPERTIES

Effective pH range.....	5.2 - 9.5
Effective Temperature Range.....	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™>1x10⁹ (Billion per gram)



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