



Turning Liabilities Into Leverage!

MicroSolv™ 118

For Pulp & Paper Use

Product Bulletin

Environmental Leverage has Lab Analysis Service Available

MicroSolv™ 118 is a high potency, bacteria-laden, powdered formulation, for use in degrading many types of waste. **MicroSolv™ 118** contains a specially formulated blend of microorganisms, micro/macro nutrients, fungi, and surface tension suppressants/penetrants, developed for use in bioaugmentation. Because of the diversity of the microorganisms this product is excellent for *pulp & paper wastewater applications* where there are heavy influxes of cellulosic fibrous organic solids. The enzyme activity enhances cellulosic reduction by converting the fibrous solids into carbon dioxide and water.



1-lb. Water Soluble Bio-Pouch

Enzymatic Activity

Protease (Casein Digesting).....	Units/Gram: 35,000 Min.
Amylase (Modified Wohlgemuth).....	Units/Gram: 55,000-80,000
Lipase (USP).....	Units/Gram: 400
Cellulase (CAU).....	Units/Gram: 1800 Mn.



Degrades

- Cellulose Material
- Lignins
- High BOD
- Starch
- Black/Green Liquor
- Pine Soap & Tall Oil
- Surfactants

Product Advantages

- Reduction in filamentous bulking
- Increase BOD and TSS removal Efficiency
- Greatly reduces labor time
- Enhances BOD/COD removal
- Reduces hydrogen sulfide
- Reduces sludge build-up
- Cost effective/Easy to use
- Changes biomass dynamics
- No special equipment needed
- Increases system efficiency
- Eliminates malodors at their source
- Degrades a wide variety of complex organics
- Contains facultative anaerobes
- Reduction in polymer & dewatering costs

Applications of Use

- DIGESTERS
- SLUDGE TANKS
- LAGOONS
- RBC'S
- TRICKLING FILTERS
- IMHOFF TANKS
- AERATED BASINS
- AERATION TANKS
- STATIC PONDS
- ACTIVATED SLUDGE

Environmental Leverage® Inc.

812 Dogwood Dr. Suite A
North Aurora, IL 60542

admin@environmentalleverage.com
630-906-9791 fax 630-906-9792
www.EnvironmentalLeverage.com

Packaging of Product

MicroSolv™ 118 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



1-lb. Water Soluble Bio-Pouch

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

MicroSolv™ 118>1x10⁹ (Billion per gram)

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