



Turning Liabilities Into Leverage!™

MicroSolv™ 600L

For Nitrification / Denitrification

Product Bulletin

Environmental Leverage has Lab Analysis Service Available



MicroSolv™ 600L is a high potency, bacteria-laden, liquid formulation containing aerobic and facultative bacteria, which help facilitate the nitrification/denitrification process under certain conditions that may occur in wastewater situations. **MicroSolv™ 600L** is a selectively chosen product of Nitrobacter spp., Nitrosomonas spp. and facultative naturally occurring bacteria which are indigenous to soil, stream, and estuaries.

Application Instructions ***For Best results, use Nitrification Dosing Wizard*

EQUALIZATION TANKS, IMOFF TANKS, PRIMARY CLARIFIERS:

3 gallons per MGD daily to reduce Ammonia, Nitrites, Nitrates and for denitrification.
After 30 days or when nitrification occurs, reduce to 1 ½ gallons per MGD.

AERATION, SBR'S, OXIDATION TANKS:

1 gallon per MGD daily for nitrification. After 30 days or when nitrification occurs, reduce to ½ gallon per MGD.

TRICKLING FILTERS:

1 gallon per MGD daily for nitrification. After 30 days or when nitrification occurs, reduce to ½ gallon.

RBC's:

1 gallon per MGD daily for nitrification. After 30 days or when nitrification occurs, reduce to ½ gallon per MGD.

LAGOONS:

2 gallons per MGD daily for nitrification. After 30 days or when nitrification occurs, reduce 1 gallon per MGD.

SECONDARY CLARIFIERS:

1 gallon per MGD daily for nitrification. After 30 days or when nitrification occurs, reduce ½ gallon per MGD.

DIGESTERS, SLUDGE TANKS:

2 gallons per MGD daily for nitrification. After 30 days or when nitrification occurs, reduce 1 gallon per MGD.

Applications of Use

- OXIDATION TANKS
- RBC'S
- CLARIFIERS
- DIGESTERS
- SLUDGE TANKS
- AERATION TANKS
- AERATION SBR'S
- LAGOONS
- TRICKLING FILTERS
- IMHOFF TANKS
- SECONDARY CLARIFIERS
- MEMBRANE REACTORS
- ACTIVATED SLUDGE

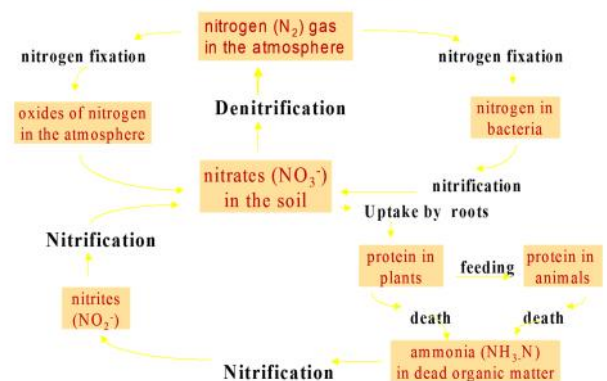
Product Advantages

- Greatly reduces labor time
- Enhances BOD/COD removal
- Reduces hydrogen sulfide
- Degrades a wide range of complex organics
- Cost effective/Easy to use
- Reduces Sludge Build-Up
- No special equipment needed
- Increases system efficiency
- Breaks down fat & grease buildup
- Eliminates malodors at their source
- Reduces ammonia levels
- Changes biomass dynamics

Packaging of Product

MicroSolv™ 600L comes in One gallon containers.
Must be shipped overnight to maintain refrigeration.

Nitrogen Cycle



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





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BACTERIAL Nitrification Activity

Minimum Ammonia removal
Activity of 650-700 mg/kg/l

Packaging of Product

MicroSolv™ 600L liquid
comes in One gallon containers.

Refrigeration necessary until use.
Refrigerate at 2 - 4 C. / 35° - 39° F.
temperature when not in use.

CHARACTERISTICS

Form.....Liquid
Color.....reddish brown liquid
Odor.....yeasty
Shelf Life.....3-6 months refrigerated
Viscosity.....cps at 70F =20cps
Spec Gravity.....1.01 +/- .1
pH.....7.0 +/- .5
Flash Point.....none

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- DIGESTERS
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- AERATION TANKS
- AERATION SBR'S
- LAGOONS
- TRICKLING FILTERS
- IMHOFF TANKS
- SECONDARY CLARIFIERS

Shipping of Product

Must be shipped overnight to maintain refrigeration
Refrigeration required when shipment arrives if product is going to be stored.

Storage & Handling

Storage.....Must be kept refrigerated. Refrigerate at 2 - 4 C. / 35°- 39° F.
temperature until use to maintain 3-6 months shelf life. Do Not Freeze.

Container.....Keep lid closed on container.

Handling.....Wash hands thoroughly with warm, soapy water

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