

<http://www.microbelift.com/products/pond-and-water-garden/water-clarifiers-liquid/pl/>

MICROBE-LIFT / PL



## **Keeps Ponds Clean & Clear!**

Specially Formulated for Decorative Fish Ponds, Lagoons & Smaller Water Features

- Creates a cleaner environment for your pond, promoting faster fish growth
- Reduces ammonia nitrogen levels
- Dissolves away organic sludge
- Seeds and maintains biological filters
- Significantly reduces noxious odors caused by dead algae, fish fecal matter, and urine
- Reduces hydrogen sulfide, which creates strong, offensive odors
- Reduces biological oxygen demand (B.O.D.)
- Reduces buildup of bird droppings, fish feed and dead leaves
- Breaks down dead algae
- Improves dissolved oxygen levels
- Contains photosynthetic bacteria which reduces cloudy water by promoting flocculation and settling of organic and inorganic particles
- Effective over a wide range of pH conditions

Continued biological activity even in water temperatures under 55°F. (12°C.)

## **Available Sizes**

- 16 oz. (10PLP) Treats 80 gal. pond for 11 months or 200 gal. pond for 8 months.
- 32 oz. (10PLQ) Treats 500 gal. pond for 11 months or 1,000 gal. pond for 8 months.
- Gallon (10PLG4) Treats 5,000 gal. pond for 21 months.
- Gallon (10PLG6) Treats 5,000 gal. pond for 21 months.
- 5 Gallon (10PLX5G)
- 32 oz. (PL32F) Treats 500 gal. pond for 11 months. (Bilingual French & English packaging)

MICROBE-LIFT / Sludge-Away



## **Speeds Up the Removal of Sludge & Muck Naturally**

Especially Helpful for Ponds That Have a Rock or Gravel Bottom & Where Vacuuming is Impractical

**MICROBE-LIFT/Sludge-Away** is formulated specifically for the removal of organic bottom solids that are slow to degrade

**MICROBE-LIFT/Sludge-Away** works faster at warm water temperatures, however, it may be used effectively at any temperature year-round

Years in development, **MICROBE-LIFT/Sludge-Away** speeds the biological removal of slow-to-degrade organic waste matter from aquatic pond bottoms that may become toxic to fish and plant life. As organic solids accumulate on the pond bottom, they begin to break down releasing toxic gasses to the surrounding environment. These gaseous by-products endanger fish, marine life and plants. **MICROBE-LIFT/Sludge-Away** removes bottom organic sludge and muck-reducing or eliminating the potential harmful gaseous compounds-and helps clarify your pond water at the same time.

**MICROBE-LIFT/Sludge-Away** may slightly discolor pond water for a short while. Rocks along the edge may darken but will return to their natural color.

- Provides "rapid and natural sludge and muck removal"
- 80% faster than competitive products
- Binds phosphate
- Organic and microbial based
- Safe for fish, plants, pets and the environment
- Helps improve pond clarity
- 100% active ingredients
- Disperses quickly

**MICROBE-LIFT/Sludge-Away** Oxygen Demand

**MICROBE-LIFT/Sludge-Away** will accelerate the solubilization and biological digestion of organic solids in your pond. As a result of this increased oxygen demand, the Oxygen Uptake Rate (OUR) in your pond will increase in the process, along with your aquatic life's need for oxygen.

### Available Sizes

- 32 oz. (MLXSAQ) Treats a 500 gal. pond for 6.5 weeks
- Gallon (MLXSAG4) Treats a 2,500 gal. pond for 5 weeks.
- Gallon (MLXSAG6) Treats a 2,500 gal. pond for 5 weeks.
- 5 Gallons (MLXSAG5g) Treats 2 5,000 gal. pond for 12 weeks.
- 32 oz. (SA32F) Treats a 500 gal. pond for 6.5 weeks. (Bilingual French & English packaging)

When using **MICROBE-LIFT/Sludge-Away** make sure that your pond is adequately oxygenated (>4.0 mg/L dissolved oxygen)

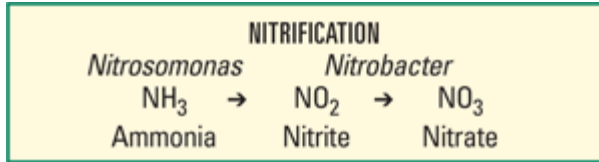
### MICROBE-LIFT / Nite-Out II



### Specially Formulated For Rapid Ammonia & Nitrite Reduction

**MICROBE-LIFT/Nite-Out II** is designed specifically for pond waters that contain marine life. Its highly-specialized microbial consortium of nitrifying cultures are specially formulated to eliminate ammonia via a natural biological process termed nitrification. The cultures contained in **MICROBE-LIFT/Nite-Out II** will establish, promote or stabilize and maintain nitrification in pond waters, eliminating the toxic effect of ammonia.

**MICROBE-LIFT/Nite-Out II** liquid nitrifying bacteria contains select strains of Nitrosomonas, Nitrospira and Nitrobacter. Nitrosomonas convert ammonia to nitrite and Nitrobacter and Nitrospira convert nitrite to nitrate.



**MICROBE-LIFT/Nite-Out II** comprises select microorganisms that are autotrophic-able to use carbon dioxide as the sole source of carbon-and are relatively slow growing, requiring specific conditions for optimum growth with typical cell division rates from 8 to 16 hours. Their performance and rate of growth are impacted by the environmental parameters required for nitrification.

They are also highly oxygen-sensitive, requiring high dissolved oxygen levels (greater than 2 mg/L) to achieve maximum growth rates. Nitrite is produced by beneficial bacteria in the pond and the oxidation of harmful waste ammonia excreted by fish. Even though nitrite is not as toxic as ammonia, it is still very damaging to the health of fish.

- Initiates nitrification
- Promotes stable nitrification
- Provides stable cold weather nitrification
- Safe for use around plants and animals

### **Available Sizes**

- 16 oz. (NITE16) Treats a 500 gal. pond for 14 months.
- 32 oz. (NITE32) Treats a 2,500 gal. pond for 5 months.
- 1 gallon (NITEGAL) Treats a 5,000 gal. pond for 11 months.