

**MICROBE-LIFT NITE-OUT II Nitrifying Bacteria**  
Contains: Nitrosomonas Nitrospira

Specially Formulated for Rapid Ammonia and Nitrite Reduction  
Decreases Ammonia & Nitrite Toxicity

Treats up to 236 gal (893 L.)  
Treats up to 480 gal. (1,814 L.)  
Treats up to 960 gal. (3,628 L.)  
Treats up to 3,840 gal. (14,515 L.)

**MICROBE-LIFT/ Nite-Out II** is designed specifically for aquarium 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 contain in **MICROBE-LIFT/ Nite-Out II** will establish, promote or stabilize and maintain nitrification in aquarium waters, eliminating the toxic effect of ammonia. **MICROBE-LIFT/ Nite-Out II** liquid nitrifying bacteria contains select strains of Nitrosomonas, Nitrospira and Nitrobacter. Nitrosomonas oxidize ammonia to nitrite and Nitrobacter and Nitrospira oxidize nitrite to nitrate.

**Nitrification**

Nitrosomonas				Nitrobacter
NH3	→	NO2	→	NO3
Ammonia		Nitrite		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 divisions rates from 8 to 16 hours. Their performance and rate growth is impacted by the environmental parameters required for nitrification.

**Directions**

For optimum nitrification and ammonia removal, first treat your aquarium with **MICROBE-LIFT/ Nite-Out II**, with select cultures to reduce organic levels that may inhibit the natural nitrifications process. Because nitrification requires adequate levels of alkalinity, check the aquarium water’s pH level.  
**Note:** Saltwater slows down bacterial action. For faster results add 25%-50% more product.

**Dosage**

- Check ammonia level in tank.
- New tanks – add 1 tsp. (5 mL.) per 10 gal. (38L.), every other day, until ammonia level is acceptable.
- Established tanks – add 1 tsp. (5 mL.) per 10 gal. (38L.) of tank water after every partial water change as well as every time new fish are added to the tank.

**Cautions**

- Keep out of reach of children.
- Wash hands after use.
- If eye irritation occurs, flush with water for 15 minutes.
- Do not take internally.

NOTE: Shelf life is 18 months. DON’T FREEZE. Store at room temperature. Avoid sunlight. Refrigerate 38°F (4°C) – 45°F (7°C) after opening to prolong shelf life. Shake well before using.