

MICROBE-LIFT®/Special Blend & MICROBE-LIFT®/Nite-Out II is the only natural aquarium treatment program to cycle and balance your aquarium fast using a safe, microbial, non-chemical biological process which naturally: controls and eliminates waste organic matter, enhances water quality and reduces and controls toxic ammonia, nitrite and nitrate.

Step #1: Add MICROBE-LIFT®/Special Blend to your aquarium to break down and degrade all waste organic matter, assuring improved environment for aquatic life and plants. MICROBE-LIFT®/Special Blend seeds aquarium water, filters and establishes necessary bio-films in filters and on aquarium surfaces removing unwanted waste matter and clarifying aquarium water fast! MICROBE-LIFT®/Special Blend will also reduce and eliminate any aquarium odor.

As the organic waste matter in your aquarium - i.e., dead plant life, excessive fish food and fish waste - is broken down by aquarium biology, the waste matter is converted to ammonia in a process called Ammonification. As the ammonia levels build in your aquarium, it can become toxic to fish and marine life and must be biologically removed quickly. Nitrification - the natural, biological ammonia removal process - is done by a group of microbes called nitrifying bacteria. Nitrifying bacteria are very slow to grow (requiring as much as 18 hours for a single cell division compared to every 45-60 minutes for waste degraders) and often require weeks to naturally develop the necessary population to convert all the ammonia produced in your aquarium.

Step #2: Use MICROBE-LIFT®/Nite-Out II to quickly establish the necessary nitrifying cultures and the ammonia removal process in your aquarium. Just add MICROBE-LIFT®/Nite-Out II and these cultures will grow and convert the toxic ammonia to nitrite, then to nitrate. MICROBE-LIFT Nite-Out II also contains Nitrosomonas, which convert ammonia to nitrite, and Nitrobacter, which convert nitrite to nitrate.

In addition, you should know the term Carbonate Alkalinity because the biological nitrification process that removes toxic ammonia from your aquarium in order for it to cycle properly requires a source of inorganic carbon. It takes 7.1 pounds of carbonate alkalinity for every pound of ammonia removed from your aquarium water. If carbonate alkalinity is not available in aquarium water, it's just like your car running out of gas! The nitrification process will stop, or may not even get started. To ensure toxic ammonia is removed by the necessary nitrifying bacteria, you must test your aquarium water for adequate carbonate alkalinity until there is a minimum of 50ppm. Then add MICROBE-LIFT®/Nite-Out II to ensure rapid and complete ammonia removal by the nitrifying microbes.

MICROBE-LIFT®/Special Blend and Denitrification

MICROBE-LIFT®/Special Blend provides a real value to your aquarium's environment. In addition to being one of the BEST products you can use to speed the removal of unwanted, slowto-degrade organic matter from your aquarium environment, the novel cultures in MICROBE-LIFT®/Special Blend assist in the removal of nitrate from aquarium water via a process called

While some aquarium nitrate is removed by plants and partial water changes, the most effective way to control nitrate removal is by biological denitrification. In this process, nitrate removal takes place in the anaerobic areas, such as those found in aquarium filter bio-films. MICROBE-LIFT®/Special Blend cultures are also denitrifying microbes that provide an important nitrate removal pathway assisting in the removal of nitrate via denitrification. MICROBE-LIFT®/Special Blend includes high-rate denitrifiers that convert nitrate to nitrogen gas under an anaerobic condition that exists in filters and aquarium surface bio-films, reducing the nitrate level in your aquarium. It is noteworthy that algae can use nitrate as a nutrient.

MICROBE-LIFT®/Special Blend & MICROBE-LIFT®/Nite-Out II are the answer to a Natural, Clean, Clear NON-TOXIC Aquarium Environment! You can rely on these two novel, biological products to enhance water quality by removing slow-to-degrade waste matter, and removing and controlling ammonia, nitrite and nitrate via their natural, non-chemical biological process.

Special Blend marine h salt the s up to 14.080 gal. (53,299 L.)

SPECIAL BLEND

Bacteria

Item #SBHG1SU

A Complete Eco-System in a Bottle!

For SALT & FRESH WATER

- Dramatically reduces need for water changes
- Reduces the frequency of cleaning
- · Chemical free!
- A new tank starter for biological cycling and boosting
- An organic waste degrader
- · Lowers ammonia levels and biologically reduces nitrates
- Removes odors & clears cloudy water
- · Breaks down residue on gravel, plants, rocks, etc.

Treats 14,080 gal. (53,299 L.)



1 Gal/3.785 L.

NITE-OUT

Bacteria

Item #NITFHG1SU

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 is designed specifically for aquarium environments.

- Specially Formulated for rapid Ammonia and Nitrite Reduction
- Decreases Ammonia & Nitrite Toxicity

Treats 7,680 gal. (29,072 L.)

Ammonia Remover In Store Use - Remover detailed to 1.68 pg. (28, 1921 L.) - Remover terrained to 1.68 pg. (28, 1921 L

LIQUID AMMONIA REMOVER

Item #ARG1SU

MICROBE-LIFT/Ammonia Remover removes ammonia, chlorine and chlorines rapidly and completely when used as directed.

It is buffered to help prevent a drop in both alkalinity (acid-neutralizing capacity) and pH when used to remove very high levels of total ammonia.

Works immediately and will not delay or interrupt biological filtration.

Treats 7,680 gal. (29,072 L.)

1 Gal/3.785 L.

DRY AMMONIA REMOVER



Item #DAR05SU

MICROBE-LIFT/Dry Ammonia Remover contains ClorAm-X® patented molecule that will remove 1 ppm of ammonia with every dose. It is so safe it may be dosed up to 10x the standard dose with no toxicity.

Treats 18,800 gal. (71,165 L.)

5 LBS. (2.26 Kg.)

Gravel & Substrate-Cleaner

Item #GSCG1SU

MICROBE-LIFT/Gravel & Substrate Cleaner speeds the biological breakdown of slow to degrade organic waste matter from aquarium bottoms that may become toxic to fish and plant life.

- Provides rapid and natural sludge and muck removal
- 80% faster than bacterial products alone
- Reduces and binds nutrients including phosphates
- Organic and microbial based
 Treats 7,680 gal. (29,072 L.)



1 Gal/3.785 L.

PHOSPHATE REMOVER

Item #PRG1SU

MICROBE-LIFT/Phosphate Remover safely and quickly removes phosphate from fresh, salt and reef aquariums by binding the phosphate. It significantly reduces phosphate and improves turbidity. When dosed correctly it will not affect pH or alkalinity.

- · Quickly removes phosphate
- Improves turbidity
- Harmless to all fish and invertebrates

Treats 12,800 gal. (48,453 L.)



1 Gal/3.785 L.



AQUATIC STRESS RELIEF

Item #SRAG1SU

- Reduces Stress
- · Aids in Fish Transport
- Promotes Healing
- Removes Chlorine (up to 3.75 mg/L Total Chlorine)
- Destroys chloramines
- · Detoxifies heavy metals
- Adds a multi-part skin-slime replacer
- Adds essential electrolytes
- Boosts alkalinity

Treats 7,680 gal. (29,072 L.)



AQUATIC STRESS RELIEF DISPENSER

Item #SRDISSU

The wall hanging dispenser is great for use in your fish bagging area.

PH BUFFERS

These pH Buffers help resist pH-Drop (acidification) and hold the pH at a given target pH. Choose from salt and freshwater formulas. A scoop is enclosed for your convenience.









6.5 PH Item #PH6.5SU

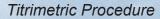
4 LBS./1.81 KG.

7.0 PH Item #PH7.0SU 4 LBS./1.81 KG. 7.5 PH Item #PH7.5SU 4 LBS./1.81 KG. 8.2 PH Item #PH8.2SU 4 LBS./1.81 KG. 8.5 PH Item #PH8.5SU 4 LBS./1.81 KG.

LAMOTTE TEST KITS

These test kits are a "must" for your in-store testing!







(Not Shown)

Ammonia Test Kit (Salicylate based) - Item #SUT3304 (50 tests)
Calcium Hardness (Salt) - Item #SUT3609 (50 tests)
Total Hardness (Fresh) - Item #SUT4482DRLI (50 tests)
Nitrite - Item #SUT3352 (50 tests)
Phosphate - Item #SUT312101 (50 tests)
pH (Wide Range) - Item #SUT3353 (50 tests)
pH (Saltwater) - Item #SUT215901 (100 tests)

TDS METER Item #TDSMSU

Managing water quality is an essential factor in aquarium maintenance, and controlling the effects of evaporation is one of the necessary requirements. Aquarium mineral content levels increase as a result of evaporation and can't be determined visually or by test strips. The use of a TDS meter (Total Dissolved Solids) is a useful tool in the control of TDS and turbidity.

Calibration Solution

Item #TDSMSSU



CARBONATE ALKALINITY BOOSTER Item #CABSU

The biological removal of ammonia (nitrification) is one of the most important functions in an aquarium. This essential microbial process requires the presence of carbonate

alkalinity in aquarium water at all times, as the biological ammonia removal process utilizes 7.1 pounds of carbonate alkalinity for every pound of ammonia removed by nitrification.

Should aquarium carbonate levels fall below the necessary level nitrification will stop and will fail to start again. With the loss of carbonate alkalinity pH levels will vary and pH be difficult to control as carbonate alkalinity stabilizes aquarium pH.



4 LBS./ 1.81 KG.