



How to Use StartSmart Complete

General

Freshwater and Saltwater Formulas Available

StartSmart Complete comes in freshwater and saltwater formulas. Be sure to use the correct formula.

No Need To Refrigerate

StartSmart Complete does NOT need refrigeration. It has a two year shelf life before any loss of function.

StartSmart Complete Is NOT Clear Like Water In a Bottle

Unlike some competing products that appear relatively clear, StartSmart Complete has significant biological solids (bacterial colonies) that look like brown flecks. When the product is shaken, it will look a turbid, brownish color.

When you add StartSmart Complete to you tank, the water will naturally become slightly turbid for a few hours. This is completely natural, and temporary. There are huge numbers of beneficial bacteria in StartSmart Complete. After a few hours, the StartSmart bacteria will begin to group together and adhere to natural surfaces such as plants, gravel, etc. The StartSmart bacteria will NOT BE NOTICEABLE AFTER A FEW HOURS! If you are concerned about a tank looking turbid, be sure to dose at the end of a working day. The next day, the turbidity due to StartSmart Complete will be completely gone.

Three Main Uses

StartSmart Complete has three main uses:

- Instantly Cycle
- For Routine Maintenance
- As a Biological Clarifier

Three Different Dose Rates

StartSmart Complete dosage is based on the product use. Here is the summary:

To Instantly Cycle: 1 oz per 10 gallons. One time dose is all that is needed. After tank is cycled, switch to maintenance dose

For Routine Maintenance: 1 oz per 40 gallons. Once a week for best results, and at least once a month

To Act as a Biological Clarifier: 1 oz per 20 gallons. Once a week, until problem is solved. Then switch to maintenance dose



Tender Living Care

Instantly Cycle an Aquarium

Dose: Add 1 oz per 10 gallons of aquarium water, one single dose will cycle the tank. Then revert to Maintenance Dose.

Examples:

New Aquarium. Set up tank as usual, including dechlorinator, lights, gravel, decorations, etc, add required StartSmart dose. Add fish immediately. You will see that NH₃ and NO₂ are removed within the first 48 hours, and that NH₃ and NO₂ never reach toxic levels

Problem Aquarium. This could be any tank that has a cycling problem. Generally, one proper dose of StartSmart will solve this problem quickly, even if it has persisted for months

Goldfish Tank / Feeder Tank. These are tanks with high fish loadings, and commonly have high mortality due to ammonia problems. Dosing these tanks will quickly eliminate the ammonia and will dramatically reduce fish mortality.

Routine Maintenance

Dose: 1 oz per 40 gallons once a week for best results. At least dose once a month.

Maintenance dosing will allow you to reduce water changes 25% to 50%. Most professionals change water as a result of N or P build up, or due to water clarity problems. With StartSmart Complete maintenance use, you can either lengthen the time between water changes, or reduce the amount of water changed each time. The choice is up to you. Here is how StartSmart Complete allows you to reduce water changes:

- Maintenance dosing of StartSmart will eliminate NH₃ and NO₂ spikes. StartSmart Complete also reduces NO₃ when used as recommended.
- NO₃ reduction is a long term process. While NH₃ and NO₂ are removed extremely rapidly, NO₃ reduction may take weeks to months, but significant reductions always occur, and reduced NO₃ levels are beneficial
- StartSmart Complete also digests organic sludge and prevents significant sludge build up. This means less tank cleaning.

Overall, the need for water changes is reduced from 25% to 50% with StartSmart Complete maintenance dosing. This will save hours in labor and enhance your aquarium experience, and your fish will have a much cleaner, purer environment in which to thrive.

Biological Clarifier

Dose: 1 oz per 20 gallons weekly until clarity and surface problems are solved, then revert to Maintenance dose.

StartSmart Complete will eliminate common clarity problems in both freshwater and saltwater. Be sure to use the proper formulation (freshwater or saltwater). Most problems can be solved with this product, even in delicate saltwater tanks and reef systems that have had a chronic clarity problems.



What to Expect: Tank and rock surfaces will be cleaned, and water clarity improved, in 4 to 8 doses. This means that it may take a month or longer to really see greatly improved clarity. Remember, StartSmart Complete is not a chemical, and does not work instantly. StartSmart Complete naturally consumes N and P nutrients. Long term or more severe problems take longer to solve.

Tips: To solve long-term problem, multiple cycles of product application with manual cleaning will be required. Continue manual cleaning of while product is being used. StartSmart Complete will not miraculously digest dead or dying material overnight. You must continue to manually clean your tank just as you have been doing.

As time goes by, manual cleaning will become easier and less time consuming with regular product use. You will notice that cleaning becomes easier. Before use, removing unwanted hair, debris, and mats would take considerable time and effort. With StartSmart Complete use, removal will become easier over time, until the problem is solved.

Remember that StartSmart Complete is a gentle, natural biological clarifier. It is not an algaecide. StartSmart Complete provides a completely non-toxic means biological clarification without use of toxic chemicals. Remember that StartSmart Complete takes time to work. Be patient, continue normal maintenance and cleaning procedures until the product has eliminated excess N and P from all the nooks and crannies of your aquarium. Once the problem is finally solved, revert to maintenance dose.

Important: Turn off protein skimmers and UV lights for 24 hours immediately after product application.

Technical Notes

StartSmart Complete, is a non-chemical, purely biological solution for freshwater and saltwater clarity problems. StartSmart Complete is completely non-toxic to freshwater and marine environments and all freshwater and marine species. Be certain to use the correct formula (freshwater or saltwater) for the tank being treated.

StartSmart Complete is loaded with extremely high concentrations of safe and beneficial nitrosomonas, nitrobacter, and bacillus bacteria, along with denitrifying bacteria. These bacteria work together to consume N and P (nitrogen and phosphorous) but it will take time to remove the build up of these unwanted, excess nutrients from the nooks and crannies of your system.

Algae at proper levels are required in your aquatic system as part of the food chain, and for additional water purification. Toxic algaecides will kill all algae, which will harm your system. Using StartSmart Complete provides a balanced approach to natural water clarity.



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Using StartSmart Complete with other Physical Means of Algae Control

StartSmart Complete is compatible with all forms of standard tank maintenance with the exception of chemical algaecides. Chemical algaecides used at the same time as StartSmart Complete may reduce the effectiveness of the StartSmart bacteria.

Any time you add StartSmart Complete, stop the use of protein skimmers, UV sterilizers, or other such systems for at least 8 hours (preferably 24 hours) after applying the product. Since StartSmart Complete is a 100% live product, it will be killed and rendered inactive by UV sterilizers.

Once the product is added, it will go with the natural flow pattern of the system, and will become part of the substrate bed, rock / biomass interstices, and other sites where bacteria naturally grow.

Product Safety

You could add up to 10 times the recommended dose of StartSmart Complete without causing any toxicity in your tank. However, the “problem dose” as listed on the label is the maximum recommended dose, as is the stated frequency. *It is not dangerous to add more than the recommended dose, but it is likely to be a waste of money.*

The product is extremely effective when used as directed. As long as your expectations are proper, you will be extremely satisfied with the product and how it enhances the enjoyment of your system.