Use the following chart for adding household bleach (5% sodium hypochlorite) to your potable water, as it will inhibit bacteria and algae growth in your tanks. It is recommended that you use a syringe that has increments in metric measurements, milliliters (mls). Note that mls are the same as ccis (cubic centimeters). Syringes can be purchased at most pharmacies. Beware that many countries are now stocking ultra bleach usually 7-7.5% hypochlorite. Try to read the label and try to stick with plain 5% sodium hypochlorite, which is standard household bleach. As it may be difficult to maintain a constant **level of chlorine (3-5ppm),** a simple swimming pool test kit may be useful. Iodine is not recommended because of health risks associated with the frequent and long-term use of iodine.

FOR NON-POTABLE WATER (DEVELOPING COUNTRIES):

To kill or remove harmful bacteria, viruses and organisms that may cause disease, water must be disinfected. The Following method combines filtration to remove cyst organisms (e.g. cryptosporidium) and chlorination to kill the *Giardia* , bacteria and viruses.

Before putting it in your tank, pre-filter shore water by running it through an in-line filter that removes sediment (available at Home Depot or similar hardware store).

Install an in-line filter that filters *Giardia* , cryptosporidium and most (but not all) viruses (Amtec CBC-10, Katadyne or other ceramic filters with the same rating). Be aware that this may place undue stress on a water pump, so consider placing the pump so that it is pushing the water rather than pulling it through. Alternatively, use a gravity-feed ceramic filter (Katadyne, Berkfeld, Marathon [a division of MSR], or Aquarain). If you do not have a filter that filters the above organisms, you must treat your water with chlorine bleach .

Install an in-line charcoal cartridge system that will remove the chlorine taste.

Use the following chart in for adding household bleach (5% sodium hypochlorite) to your tank water. This will remove remaining viruses and inhibit bacteria and algae growth.

BLEACH DOSING FOR WATER TANKS
Sodium Hypochlorite 5%, water measured in *liters*

CONVERSIONS
1 ounce = 30cc 3.84 liter = 1 gallon
1 tablespoon = 15cc 1 teaspoon = 5cc
1cc = 20gtts (drops) 1 liter = 0.2604 gallon

Water should be clear and allowed to stand for 30 minutes after application of bleach, prior to drinking. Add double the amount of bleach for cloudy or colored water. After treatment, water should have a slight chlorine odor. If not, repeat the dosage and allow treated water to stand for an additional 15 minutes. Maintain the recommended level of chlorine (3-5ppm) by checking the chlorine levels every two weeks, using a simple swimming pool test kit.

To use the chart, calculate the total number of liters or gallons you wish to treat. Then, read across to the amount in mlís of bleach you need to add to your tank.

Liters Of Water	ml or cc	Drops
1	0.1	2
2	0.2	4
3	0.3	6
4	0.4	8
5	0.5	10
6	0.6	13
7	0.7	15
8	0.8	17
9	0.9	19
10	1.0	21
20	2.1	42
30	3.1	63
40	4.2	83
50	5.2	104
60	6.3	125
70	7.3	146
80	8.3	167
90	9.4	188
100	10.4	208
200	20.8	417
300	31.3	625
400	41.7	833