Further information:

www.safesol.co.uk

SafeSol 3 – How to do a Disinfection

SafeSol 3 is ideal for disinfecting the stored water system in all domestic dwellings, small nursing homes, sheltered housing and small commercial properties.

Disinfections should be carried out following periods of heavy use – after morning baths /showers. The protocol assumes normal water use in a building. The time to achieve complete water system disinfection will be shorter if water use is minimised during the time SafeSol 3 is left in the system. It is important that abnormal uses of water, like watering the garden, or washing the company Transit are avoided during the disinfection process.

Here is how to do it

1. Try to work out how much water there is in the system you are about to disinfect. You can generally get a reasonable idea by working out the volume of the cold water storage tank (sometimes this is printed on the tank label.) The volume can be calculated by multiplying the length x height x width of the tank. The tank volume should be multiplied x 1.3 to take into account the calorifier (if present) and any pipework. If there is no calorifier multiply by 1.1.
2. If you have a property with a standard 50 gallon (220 litre tank) and a calorifier the system volume is 286 litres.
3. Consult the table below to check the amount you should add to obtain 100 ppm hydrogen peroxide (approximately) in the system.

System Volume	Volume of SafeSol3 to obtain 100ppm hydrogen peroxide	Bottles you require to purchase
200 litres	500ml	1
300 litres	1 litre	1
500 litres	1.5 litres	2
1000 litres	3 litres	3

From the table you should add 1 bottle of SafeSol 3 to your system to obtain around 100 ppm.

4. Pull the chemical through the water system by opening the hot and cold tap furthest from the water storage tank. After the water has run for 1 minute check the water with a SafeSol 3 test strip. If the colour indicates that the Hydrogen Peroxide level is more than 100 ppm (dark blue on the test strip),close the outlet and proceed to draw the chemical through to the other outlets.
5. If the level is significantly less than 100ppm the level of SafeSol 3 in the water storage tank should be increased until the level detected at the outlet is more than 100ppm.
6. Run water through each outlet in the property checking to ensure that the peroxide level is always greater than 100ppm. When the correct level of chemical has been detected at each outlet the outlet should be closed. When all outlets have been tested and found to contain the correct level of chemical the system should be left and can be routinely used. Assuming normal water use the system should be completely disinfected within 24 hours.

Don't forget to order sufficient test strips.