

TECHNICAL BULLETIN



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AQUASHINE

SPA POOL SANITIZER

MATERIAL & FUNCTION

AQUASHINE contains 15% hydrogen peroxide. Hydrogen peroxide (H_2O_2) is a healthy alternative to chlorine for water disinfection. A growing number of spa and swimming pool owners take advantage of the extraordinary ability of H_2O_2 to maintain water bacteria & odour free.

USES

Some dissolved substances, particularly iron and organics will use up the hydrogen peroxide rapidly making the treatment of large volume of water with H_2O_2 (swimming pools) cost prohibitive. This problem can be usually solved by installing an additional ozone generator which works very well in conjunction with H_2O_2 . However, vast majority of spa owners are dealing with volume of water in range of 2000-3000 litres and as such, they will not experience problems usually related to swimming pool applications. If you are unsure of the mineral content of your water, try the hydrogen peroxide and test the concentration frequently. Hydrogen Peroxide will not control algae in your spa. To reduce the possibility of algae contamination, keep the spa covered when it is not in use and add water only from a chlorinated water source. Should an algae bloom occur, shock with chlorine or an algae control chemical recommended by your spa supplier. When algae is under control return to using hydrogen peroxide.

APPLICATION

"Shocking" your spa to get started - To start your spa on hydrogen peroxide it is necessary to shock the water with a high dosage. For every 1000 litres of water in your spa add 600 mL of hydrogen peroxide (250 mL (2 and 1/2 cups) to every 1000 litres of water). Let the spa stand for one day with the circulation pump running intermittently. Clean the filters before you start and check them frequently after shocking. The peroxide will oxidize any material in the water and the filters can quickly plug causing damage to the pump. H_2O_2 may not work if the water has a high dissolved mineral or organic content.

Maintaining the hydrogen peroxide levels - The amount of hydrogen peroxide used depends on the quality of the water, the number of people using the spa, the frequency of use, and the amount of sunlight the spa gets. Check the level of hydrogen peroxide frequently with the test strips until you are familiar with how much hydrogen peroxide to add and when to add it. Then check at least once per week. When the level dips to 50 ppm add 500 mL (1 cup) of hydrogen peroxide per 2000 litres of water in the spa. The level should jump up to 100 ppm. Maintain the level between 50 and 100 ppm. Check and clean filters frequently. Hydrogen peroxide can be added to water manually, by a special

injection system or by a metering pump. Ask us for technical details.

Peroxide Test Strips are a plastic strip with a reactive pad on one end. They are used to test the concentration of hydrogen peroxide in a solution. Dip the pad into the solution for 1 second. After 5 seconds compare the colour of the pad to the colour scale on the bottle. Test strips measure from 0 to 100 parts per million. Swimming pools are kept usually in range 30-60ppm and spas between 50 to 100 ppm hydrogen peroxide in water.

CAUTION

Avoid contact with skin and eyes and avoid breathing vapour or spray mist. This is a classified as a Dangerous Good and a Schedule 6 Poison. Read the Material Safety Data Sheet for information on Handling, Storage and Transport.

PACKAGING

15 Litre & 200 Litre containers

IMPORTANT NOTICE TO CUSTOMER

*Since the use of this product is beyond the control of either seller or manufacturer, their only obligation shall be to replace any quantity of product, which is proven defective. They cannot assume any risk or liability in excess of the purchase price of the product itself, which does not include labour or any consequential damages resulting from the use of this product. Determining the suitability of this product for any intended use shall be solely the responsibility of the user. **ALWAYS TEST FIRST.***