

# Sanitizing Hot Tub Water

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Most of the hot tubs demand the use of sanitizers in addition to purifiers in order to keep the water clear plus healthy. Sanitizers furthermore purifiers are a substance that, when excess to your water, kill bacteria also odor. Today, there a range of different products that work to purify your spa water. The information on the following pages provides a short explanation of each of the sanitizing methods, in addition to a listing of Superiority along with disadvantages.

## Mineral Based Purifiers

Mineral purifiers are based on mineral-bed technology, founded on leap forward advances that recreate nature's own process of purifying water. It is, in effect, a two part system: a tubular structure is placed within the hot tub's filter, and then a non-chlorine/non-bromine activator is added to the spa's water previous every use. There is no required maintenance when the spa is not in use, which makes it a very easy schema to use. The cylinder shaped purifier that is placed within the filter only needs to be replaced every three to four months, or every time you drain your hot tub. Even if it is not registered for a sanitizer, it is a highly powerful purifier that easily meets the disinfection standards of the National Sanitation Foundation and the guidelines set by the EPA for bacteria in drinking water. Unless there is heavy usage of your spa, mineral based purifiers may perhaps clear the necessity to use bromine or chlorine on a regular grounds in luxury spas that are equipped with ozonators. There are a multiplicity of different forms of mineral based purifiers that are personality produced under different names, such since Nature2, ThermoClear as well as The Frog.

Mineral based purifiers are promptly becoming the most popular manner of working of purifying hot tub water. Their popularity is due to the fact that it is immeasurably easy to use, works very well, and requires little maintenance. Due to most of the extravagant benefits of mineral based purifiers, we recommend this mechanism the most for sanitizing your hot tub water.

### Advantages:

1. It works around 15 times faster than chlorine.
2. If your hot tub has an ozonator, it will raise its efficiency and may remove the need for chlorine or bromine.
3. It is unaffected by warmed water temperatures.
4. It produces clearer water, exempt of stickiness plus odors.
5. It helps to do away with the discomfort of eye and skin irritations.
6. Swimming apparel lasts longer and won't bleach out.
7. It helps to ease unsightly scum lines with reference to the spa.
8. It helps to decrease the water from foaming.

### Disadvantages:

1. It does not fit every filter. If your filter doesn't contain a innate hole, mineral based purifiers will not be well suited.

2. It is not like minded with bromine or baquanine. If you are switching to from bromine or baquanine to a mineral based purifier, we suggest that the spa be drained. Purge the lines with a planner recommended cleaning cause to wholly remove an amount traces of bromine or baquanine from the lines. Using a mineral based purifier in water that contains an amount trace of bromine or baquanine will cause the water to develop into discolored along with will guard it from adequately purifying the water.

## Chlorine

Chlorine sodium dichlor is the most general chemical sanitizer used in hot tubs. Properly add 1 - 3 teaspoons of granulated chlorine into your luxury spa alternate days to hold a chlorine level of 1 - 3 PPM (parts per million).

### Advantages:

1. There is less of a break of staining given that it is such a good oxidizer.
2. It is pH neutral, so it does not throw off your pH reading.
3. It is highly soluble plus fast-acting.

### Disadvantages:

1. The dominant scent of chlorine can be offensive.
2. Some people possess reported an itch in addition to/or rash from using chlorine.
3. It does not store itself well within the water, so you must use it regularly to sustain acceptable chlorine levels.

## Bromine Tablets

Bromine tablets are a linkage of 70% sodium bromide plus 30% chlorine. The tablets are inserted into a dispenser that floats in the water, providing uninterrupted disinfection. Once you fill the affordable hot tub with water, give a contribution 2 oz. of sodium bromide to recharge the tablets. You must hold a bromide residual reading in the least times. If the reading drops to "0" from a lack of keeping the dispenser full, you must give another 2 oz. of sodium bromide.

### Advantages:

1. It is easy to use - ordinarily keep the dispenser filled.
2. The scent of chlorine is bring downd.

#### Disadvantages:

1. The dispenser should be removed when using the affordable hot tub, becoming a danger to teens outside the spa.
2. Bromine would potentially bleach out the luxury hot tub's shell surface.
3. A slight odor may still exist as the tablets accommodate 30% chlorine.
4. Tablets are not pH neutral, so you need to acquaint your pH more frequently.
5. People have a habit of allowing for tablets in the dispenser to deplete, requiring the need to give a contribution more sodium bromide.

#### A Two-Part Bromine system

Higher than bromine tablets or chlorine, we feel that the a two-part bromine system is the most functional way of purifying your water. However, it is not a very popular system due to the difficulty that plentiful clients possess in adjusting to and becoming knowledgeable with regards to its procedure. Once the manner is learned, plentiful people find the a two-part bromine system the top way to sanitize their hot tub. The system consists of two ingredients: bromide liquid salts (sanitizer) plus hot tub activator (activator). Bromide liquid salts are a water solution of sodium bromide that is the underlying sanitizing agent for your spa. Hot tub activator is a granular based oxidizing originator that encompass no bromine or chlorine, on the other hand activates the sanitizer.

The bromide liquid salts must be additional each week to keep an reachable reserve of sanitizer ready to be activated. The spa activator must be added each time you leave the luxury hot tub (or at minimum, once a week, if you do not use it) to recharge the sanitizer. The system only uses up enough sanitizer to kill the existing bacteria, the remaining sanitizer is saved for future use.

#### Advantages:

1. When used properly, it doesn't fashion offensive odors or eyeburn.
2. It is pH neutral (7.5), so it doesn't throw off your pH reading.
3. If the luxury spa is not in use, forcing chemicals is not required for up to one week.
4. It is consideration the most functional bromine system on the market.
5. It doesn't impose the use of a bromine dispenser.

#### Disadvantages:

1. It requires the use in addition to understanding of a two isolated chemicals.

2. It cannot be used with mineral based purifiers.

## Baquanine

Baquanine is a hydrogen peroxide based chemical sanitizer that is very effective in killing bacteria. The goods is proprietary and is handy only under the name Baqua Hot tub. It consist of no bromine or chlorine in its make up. You need to all the time carry on a Baqua Spa level between 30 to 50 PPM. To raise 10 PPM, have a say 1/5 oz. per 150 gallons of water.

### Advantages:

1. Ideal possibility for anyone allergic to either bromine or chlorine.
2. It is very dynamic in keeping sparkling furthermore healthy water.
3. It gives the water a very soft feel.

### Disadvantages:

1. It is extraordinarily acidic as well as somewhat dangerous to use. The instructions warn to use rubber gloves plus a face mask, along with to stay away from alive the vapor or mist.
2. If product spills, the sand, earth, remains, etc. must be contained also carried to a chemical waste area for disposal.
3. The acidic multifaceted may be detrimental to your equipment over time.
4. It should not be used with mineral based purifiers, chlorine, bromine plus/or ozonators and ionizers.
5. It has been determined to be the most high-priced chemical sanitizer to use.