

INTRODUCING - The Poppit brand, Spa System



Poppit brand - “The Healthy Alternative”, a chlorine and bromine free system for people concerned about asthma, sensitive skin and the environment.

The incidence of asthma is growing at an alarming rate. It is reported that in Australia 2 in 5 school age children now suffer with the ailment and in New Zealand 1 in 4 children. People with allergies also account for 40% of the population. These days, most progressive households use allergy free pillows and use non-residual room deodorants – but what about spas, spa baths and swimming pools? It is now possible to use a product that is safe and effective for all spa users, inclusive of asthmatics and allergy sufferers.

Study Links Chlorine to the rising incidence of Asthma.

A recent study in the University of Louvain, Belgium, “states that, when chlorinated water reacts with organic matter such as urine or sweat it creates trichloramine, a gassy, easily inhaled irritant. Trichloramine is known as a trigger for three proteins that destroy the cellular barrier protecting the lungs, making them more prone to asthma attack.”

The researchers have tested the blood of hundreds of young pool users finding higher than normal levels of the proteins. The levels rose even when people merely sat beside a pool.

While this was a study conducted in an indoor pool, and chlorine producers argue that better ventilation might have altered the results, there have been a number of other studies which all point to the same conclusion. In fact the incidence of respiratory tract disease in lifeguards at outdoor pools is also above the norm.

SPA HYGIENE IS EVEN MORE CRITICAL THAN SWIMMING POOLS: For the following reasons, the hygiene of spas is critical

Spas have much less water than pools. Consider this, whether in a swimming pool or a spa, a bather's body gives off contaminants. The less water there is to dilute them, the more concentrated and dangerous they are. A bather in a spa adds 1.7 litres of sweat to 1000 litres of spa water in an hour. A swimmer adds only 500ml to a 50,000 litres swimming pool!

Spa Water is Hot. In addition to adding to a bather's perspiration, hot water is a hospitable environment for bacteria. It also evaporates more rapidly, thereby increasing the level of total dissolved solids and other impurities.

Spa Water gives off steam. Sometimes the most dangerous element of a poorly maintained spa is not in the water itself, but rather in the steam that rises above it. Airborne contaminants can be inhaled and as we have said the studies show that this can lead to diseases of the lungs when chlorine is used.

“THE HEALTHY ALTERNATIVE”

Progressive pool owners are ensuring that they use non-chlorine and non-bromine chemical solutions in the spas, spa baths and swimming pools. Pool & Spa Poppits Pty Ltd has developed a range of products specifically formulated to be the “healthy alternative”. These products are produced to strict quality standards and are designed to be kind to asthmatics, gentle on sensitive skin and, protect the environment, whereas chlorine and bromine have been proven to have caused the hole in the ozone layer. They (chlorine and bromine) continually emit particles which collect on the clouds and give off gasses, which create the hole according to NASA scientists.

SPA POOL WATER TREATMENT

Proper sanitising, filtration and pipe degreasing will kill harmful micro organisms, remove body fats and oils and ensure the water is clean, safe and sparkling.

Spa water should be tested prior to use and at least 3 times per week in a commercial establishment and a minimum of weekly for home owners, using a reliable water testing unit or if unavailable test strips. At a minimum each test should include pH, alkalinity and sanitiser levels.

It is very important that the pump lint pot and the filter are cleaned regularly to ensure that they do not become a source of contamination for the spa. Pool water temperature is another key item that needs to be regularly checked.

START UP PROCEDURE

THE POPPIT CHLORINE FREE SYSTEM for spas - 3 SIMPLE steps.

Step 1. Clear the water

Water as supplied by the water authorities has chlorine included and so this needs to be eliminated if we are to have a chlorine free spa. Simply use Poppit Quick Fix at the rate of 60 grams per 1000 litres of spa water and filter for 4 hours. This will oxidise the chlorine and any other unwanted matter in the water.

Rain water and bore water also needs to be treated.

Step 2. Balance the water

Using a water test kit or test strip, check the pH, alkalinity and calcium hardness levels of the water. The pH should be around 7.4 – 7.6 to be comfortable for people with sensitive skin. Total alkalinity should be between 80 – 120pp. If necessary, adjust these two levels using Poppit Water Balance to increase the level or Poppit pH Decreaser to reduce them. Calcium levels that are lower than 100ppm can be damaging to equipment, as well as making it difficult to maintain pH levels and ultimately cause the water to go cloudy. Rain water is predictably low in calcium. Ideal levels for calcium hardness are between 100 and 200 ppm. To increase calcium levels use Poppit Spa cal hardener as per label directions.

Step 3. Sanitise the water

The water is now clear of contaminants and balanced and all that needs to be done is to sanitise the water with Spa Poppit - Conditioner, bactericide and clarifier at the rate of one litre per 1000 litres of spa water:

It's that simple!

Weekly Maintenance - On a weekly basis we recommend that:

Step 1. The start up procedure (previous page) is repeated although now we are simply treating the water to burn off any flaked skin, hair and other debris that has found its way into the spa. To do this use Poppit Quick Fix at the rate of 30 grams per 1000 litres of spa water. Remember to run the filter for at least 4 hours BEFORE adding anything else.

Step 2. Should also be repeated. Human skin does tend to reduce the alkalinity level in the water. Calcium levels should not need adjustment once they settle.

Step 3. Is to check the levels of Spa Poppit in the spa using either the simple eye dropper Poppit Test Kit or hydrogen peroxide test strips. The label instructions on Spa Poppit are very explicit as to rates to add, however as a guide the average use (Average is 2-3 people using the spa 2-3 times per week for up to 30 minutes), would require a top up of 500 mls (2 measure jugs) of Spa Poppit per 1000 litres of spa water to keep the spa well sanitised.

Please note that even if there has been no one in the spa it will still be necessary to add some Spa Poppit sanitiser because time and temperature will dissipate the levels.

Always Degrease the Pipes before Dumping Water

Before dumping the spa remove filter cartridges, then add 50 mls per 1000 litres of spa water of Poppit Spa Pipe Degreaser and run the blower for 20-30 minutes to clean out the pipes.

Always clean filter when water is dumped.

Changing Water

Completely empty the spa pool once the total dissolved solids (TDS) level exceeds 1000 ppm or every 6-8 weeks. Alternatively, replace 15% of the water every week.

After refilling the Spa use Start up procedure to re-start the Spa.

Replace the water any other time if:

The spa pool is used often by large numbers of people and it becomes difficult to maintain disinfectant level.

The water becomes cloudy and Poppit Quick Fix does not clear up the water:

- If algae or slime appears to be happening
- If algae are present, dump water and scrub the inside of the spa with Poppit Pipe Degreaser (wearing gloves) and rinse the spa before refilling.

Water Temperature.

Check the temperature regularly and maintain it at a suitable comfort level, usually from 28 degrees – 37 degrees C. Water temperature should certainly NOT exceed 40 degrees C.

A spa that is continuously heated will obviously use more Spa Poppit.

When Not to Use the Pool or Spa

Spa pools should NOT be used:

- If the sanitiser level and or pH is not within recommended levels and the water is dirty or cloudy
- If the filtration unit or pumps are not operating correctly
- By persons who are under the influence of drugs or alcohol
- By person with open wounds or who feel unwell or are pregnant
- By persons who are immuno compromised.

General rules for enjoying a spa

- Always keep your head above water
 - Spend NO LONGER than 20 minutes in the spa at any one time
 - Always supervise children using the spa.
-

SPA MAINTENANCE - ESTIMATED WEEKLY CHEMICAL DOSE RATES

SPA USAGE	STEP 1 QUICK FIX OXIDISER (CAP HOLDS 80g)	STEP 2 BALANCE WATER	STEP 3 SANITISE WATER	
			SPA POPPIT SANITISER (conditioner, clarifier & bactericide)	IF USING OZONE OR NATURE 2 WITH SPA POPPIT
HIGH USE 2-4 PEOPLE EVERYDAY	ADD 30g/1000L FILTER FOR 4 hrs BEFORE ADDING OTHER PRODUCTS	CHECK EVERY WEEK pH LEVEL ideal pH 7.2 - 7.6	ADD 750ml/1000L (PER WEEK) (3 MEASURE JUGS)	ADD 550 - 650ml PER 1000L (PER WEEK)
AVERAGE USE 2-4 PEOPLE 2-3 TIMES/WEEK	EVERY 2 WEEKS 30g/1000L FILTER FOR 4 hrs BEFORE ADDING OTHER PRODUCTS	if low pH add POPPIT WATER BALANCE if high pH add POPPIT pH REDUCER	ADD 500ml/1000L (PER WEEK) (2 MEASURE JUGS)	ADD 375- 400ml PER 1000L (PER WEEK)
LOW USE OR NO USE 1-2 PEOPLE 1-2 TIMES/WEEK OR NO USE	EVERY 3 WEEKS 30g/1000L FILTER FOR 4 hrs BEFORE ADDING OTHER PRODUCTS	ALKALINITY ideal 80 - 120ppm if low add POPPIT WATER BALANCE if high reduce pH as above or dump 15% of water & refill CALCIUM HARDNESS ideal 100 - 200ppm if low add POPPIT SPA CAL HARDNER if high check TDS levels	ADD 350ml/1000L (PER WEEK)	ADD 300ml PER 1000L (PER WEEK)

NOTE:
Every 2 weeks it will be necessary to increase the dose to 750ml/1000L