

BLUE CRYSTALS

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## The Blue Crystal System

**Blue Crystal** is an advanced method of biocidal control made up of two parts:-

**Blue Crystal Alpha** and **Blue Crystal Omega** which together provide protection against both algae and bacteria – **all year round**

This unique method requires minimum maintenance offering greater flexibility than other systems. Pool water treated with **Blue Crystal** is hygienic, clear, odourless and tasteless.

Used with a 'shock dose' treatment of your choice **Blue Crystal** provides an excellent alternative to chlorine.

## Why Choose Blue Crystal?

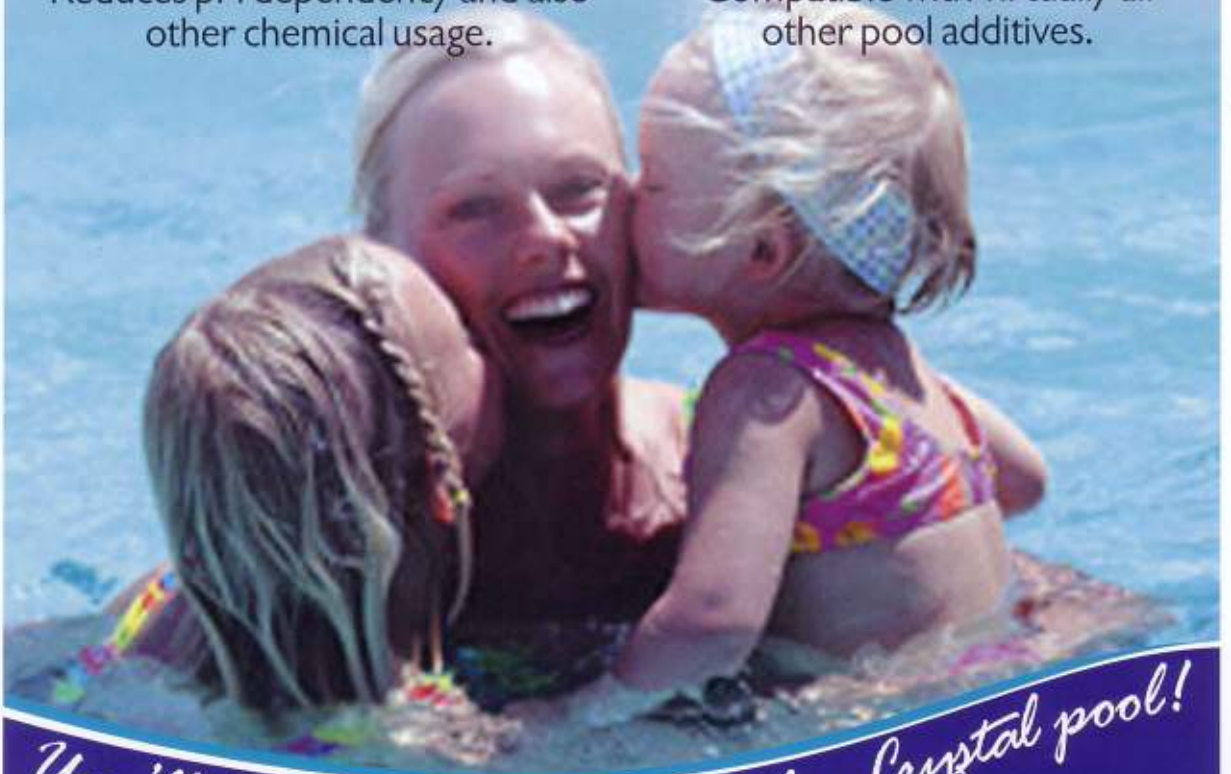
Hygiene without chlorine means no stinging eyes, skin irritation, taste or smell.

Products are non-hazardous, safe and easy to use.

Avoids the necessity for daily checks and dosing.

Reduces pH dependency and also other chemical usage.

Compatible with virtually all other pool additives.



*You'll love swimming in a Blue Crystal pool!*

# Eight steps to a healthy pool

## 1) Ascertain the volume of water in your pool

### SQUARE & RECTANGULAR POOLS

In cubic metres - length x width x average depth in metres.

In gallons - length x width x average depth in feet x 6.25

### CIRCULAR POOLS

In cubic metres - radius x radius x average depth in metres x 3.1428

In gallons - radius x radius x average depth in feet x 6.25 x 3.1428

### IRREGULAR SHAPED POOLS

Take a rough rectangular shape through the main curves of the pool and use the calculation for square and rectangular pools

## 2) Calculate the volume of additives required

Once the pool volume has been determined, ascertain the 'whole dose' of Blue Crystal Alpha and Omega to be used. The 'whole dose' for both products is the same. A 'whole dose' is 1 litre per 20 cubic metres (4,400 gallons) or 5 litres per 100 cubic metres (22,000 gallons) of pool water.

## 3) Clean and balance the pool water

To clean the pool, brush and vacuum to remove as much debris as possible. Run the filter to eliminate debris, then backwash the filter thoroughly and top up the pool with fresh water.

The quality and chemical characteristics of mains water vary enormously from area to area. It is, therefore, essential to bring it up to the required standard by balancing the pool water as follows :-

*Adjust the pH of the water to 7.2-7.8, the Total Alkalinity to 100-140 mg/l and the Calcium Hardness to 200-500 mg/l.*

Balanced water is the essence of good chemical control and improper balance is a common cause of many pool problems.

# You'll love swimming

## 4) Shock dose the pool

Shock dosing the pool before adding Blue Crystal chemicals will guarantee maximum benefit at minimum cost. Although any dirt, debris, bacteria or algae left will be rendered harmless by the Blue Crystal System, if pre-cleaning is inadequate your chemicals could be used up before you begin to swim.

The use of a 'shock dose' treatment oxidises fine organic debris and ensures no bacteria build up a resistance to Blue Crystal.

Dose rates for shock dosing with:

Hispec Chlorine Liquid	10 litres per 100 cubic metres (22,000 gallons) of pool water.
Briswim Supershock Granules	1.7 kg per 100 cubic metres (22,000 gallons) of pool water.
Blue Crystal Oxykleer	4.4 kg per 100 cubic metres (22,000 gallons) of pool water.

## 5) Add Blue Crystal Alpha

Add a 'whole dose' of Blue Crystal Alpha near to the pool inlet. As soon as the product is evenly distributed the pool is ready to use. A day later check the level of Alpha and if the test shows a shortage add more Alpha.

Alpha also provides the initial dose of Omega for long term bacterial control. After one week, check the level of Blue Crystal Omega using your Blue Crystal Test Kit. If required top-up the level using a 'whole dose' of Omega to ensure full protection against bacteria.

## 6) Weekly check

Every week or so, depending on the bather load, check the level of Blue Crystal Omega. If the level is low add a 'whole dose' of Omega to ensure the pool is kept hygienic and safe.

## 7) Every three to four weeks

Every three to four weeks, again depending on the bather load, you will need to 'shock dose' the pool with your chosen shock dose treatment (Hispec Chlorine Liquid, Briswim Supershock Granules or Blue Crystal Oxykleer). This ensures that bacteria do not develop an immunity to Omega. Also ensure the pH level is between 7.2 - 7.8.

This treatment can be carried out overnight to ensure that if a chlorine compound is used the smell will have disappeared before the pool is required.

## 8) Enjoy your pool

If you have followed these steps, you can relax in the knowledge that your pool is clean, hygienic and safe.

*in a Blue Crystal pool!*

**BLUE  CRYSTAL**

## What happens if you forget?

Because the pool looks clean it is sometimes easy to forget to check it.

If you have neglected your pool, proceed as follows:-

- Physically clean the pool using a brush and vacuum.
- Shock dose with Hispec Chlorine Liquid, Briswim Supershock Granules or Blue Crystal Oxykleer.
- Check the level of Alpha and re-dose if necessary.
- Check the level of Omega and re-dose if necessary.
- After 6 hours re-check the level of Omega and re-dose as required.
- Once the Omega is fully distributed your pool will be ready for use.

## Winterising a Blue Crystal pool

At the end of the season no special winter compounds need to be used. A single 'whole dose' of Alpha will keep the pool free of algae during the winter months.

- Make sure the pool is free of all leaves etc.
- Check that the Alpha and Omega levels are both correct and if necessary re-dose.
- Shock dose the pool, preferably with Hispec Chlorine Liquid or Briswim Supershock Granules.
- Lower the level of the pool water, take steps to reduce the possibility of frost damage, and add a 'whole dose' of Alpha.

## Opening the pool in spring

- Vacuum up any debris and top up the pool.
- Shock dose with Hispec Chlorine Liquid or Briswim Supershock Granules.

- Check the level of Alpha and re-dose if necessary.
- Check the level of Omega and re-dose if necessary.
- Continue to use and run the pool as before.

With the Blue Crystal System your pool can be ready for swimming within 24 hours.

## Systems 'incompatible' with chlorine

If your previous sanitiser was incompatible with chlorine then it will also be incompatible with Blue Crystal and must be eliminated with chlorine as follows:-

- Backwash filter thoroughly.
- Add Goldifloc Filter Aid Tablets to the surface water skimmer or pump strainer basket at rate of 1 tablet per 45 cubic metres (10,000 gallons) of pool water.
- Test water for pH and adjust to 7.2 - 7.4.
- Shock dose with Hispec Chlorine Liquid or Briswim Supershock Granules to a level of 10ppm.
- On addition of chlorine a coloured precipitate will form.

The precipitate can be cleared in two ways:-

- a) Turn off the circulation pump(s). Add Briswim Floc Granules to the pool water at a rate of 1 kg per 45 cubic metres (10,000 gallons) - see pack for further directions.
  - b) Set the filter on continuous running - it may take between 1 to 3 days to clear the pool. Filter pressure may build up so watch the pressure gauge and backwash as necessary.
- Check the chlorine level after 12 hours and top - up if necessary to 6ppm.
  - Proceed with your '*Eight steps*'

Use this guide as a quick reference. If you have any further questions, or need more information on any aspect of the Blue Crystal System simply contact your Blue Crystal Stockist who will be delighted to help.



Specialists in the formulation and supply of swimming pool chemicals