



## CTX-23 Clormain Choc

### DESCRIPTION:

To understand why this product is needed, it is necessary to be aware of, or recall, certain chemical concepts.

Chlorine, like bromine, stops the growth of bacteria and algae in spa and swimming pool water. But chlorine also combines with the organic residue of swimmers to make chloramines or combined chlorine.

Chloramines, unlike chlorine, are very poor disinfectants, incapable of checking the growth of bacteria and algae. In fact, chloramines alone are polluting agents. When there is a high level of chloramines in the water is a strong "chlorine smell" and swimmers may experience irritation to the eyes. These symptoms indicate that "shock treatment" is necessary to eliminate the chloramines. This is when the use of product is required.

It is a granulated oxidizing product, chlorine-free, which destroys organic polluting agents and chloramines.

### THE TRADITIONAL TREATMENT WITH CHLORINE

The traditional shock treatment is super chlorination. In the proper method of super chlorination, chlorine is added until breakpoint, a level approximately ten times higher than the level of the chloramines. Adding a smaller quantity of chlorine than this only makes the situation worse, because more chloramines are formed and the problem remains unsolved.

When breakpoint is reached the level of free chlorine may be 10 or more part per million, when the level recommended for swimming is 0,5 to 2 parts per million. For this reason, when a super chlorination is implemented, it is necessary to wait at least 8 or 10 hours for the level fall, and for swimming to be possible.

### TREATMENT WITH 0023

Treatment with 0023 destroys chloramines and organic matter.

Shock treatment can be carried out in private swimming pools as well as public, and the pool can be used fifteen minutes after the addition of the product.

It prevents the formation of chloramines.

This product eliminates the chlorine smell and eye irritation caused by chloramines.

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The use of product minimises scaling and does not damage polyester or vinyl swimming-pools.

It is especially suitable for use in swimming pools and spas treated with bromine, as it reactivates the inert bromine, causing it to continue disinfecting the water.

**PROPERTIES:**

Appearance .....	Granular solid
Colour .....	White
pH of a 1% water solution .....	2 - 3
Solubility at 20°C.....	250 g/l

**CHARACTERISTICS:**

Not aplicable

**DOSAGE AND INSTRUCTIONS FOR USE:**

Shock treatment: Add 10 grams of product per m.3 of water. Shock treatment is recommended once every 15 - 20 days, or whenever the water becomes cloudy.

Pour the necessary dose of product equally over the surface of the swimming pool. This product should only be added when there are no swimmers in the pool; the pool may be used again fifteen minutes after the addition of the product.

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