

HTH Scientific®

Chips and Granular for Commercial Swimming Pools



Chlorine Chips & Granular

HTH® Scientific™ Chips and Granular aids in controlling bacteria and algae as well as eliminating odours. An effective bactericide and fungicide for disinfection of potable water in reservoirs and used as an oxidizing agent in sewage water, waste water, cooling water and many other municipal and industrial water systems.

Application

- HTH® Scientific™ Chips is designed for use with Scientific™ Chip Feeder Systems
- HTH® Scientific™ Granular is for use in manual dosing applications.



Typical Properties	
Appearance:	White solid chips or granules
UN Number:	1748
Molecular Formula:	Ca(OCl) ₂
Molar Mass:	142.98 g/mol
Density:	2.35 g/cm ³ (20 °C)
Melting Point:	100 °C
Boiling Point:	175 °C, decomposes
Solubility in Water:	21 g/100 mL

Advantages

- A stable product that has a two-year shelf life when stored correctly.
- High active ingredient in a solid concentrate reduces storage and transportation costs.
- When used at higher concentrations, it deodorizes and removes organic contaminants that can affect clarity and colour of water.
- Does not contain any stabilizers.
- Raises the pH of the treated water.
- Cost Effectiveness – due to a high concentration of active ingredient, a relatively small amount of the product can effectively disinfect large amounts of water.



Regulatory

- Registered with the South African Department of Agriculture, Forestry and Fisheries (DAFF)
- Registration numbers L7755 & L7756 of Act 36/1947

Dosage Chart

Volume of Water to be Treated	50 m ³	100 m ³	500 m ³	1 000 m ³	
Concentration (ppm Available Chlorine)					
1	75	154	769	1,548	Weight of HTH® Scientific™ product required (grams)
2	154	308	1,538	3,077	
3	231	462	2,308	4,615	
4	308	615	3,077	6,154	
5	385	769	3,846	7,692	

Note: Add the required amount of product to water.

Caution: Do not reverse this procedure since a rapid evolution of heat may occur, possibly resulting in spattering or explosion.

Storage

Keep product tightly sealed in original containers. Store product in a cool, dry, well-ventilated area and below 35°C. Store away from combustible or flammable products. Keep product packaging clean and free of all contamination, including e.g. other pool treatment products, acids, organic materials, nitrogen containing compounds, dry powder fire extinguishers (containing mono-ammonium phosphate), oxidizers, all corrosive liquids, flammable or combustible materials, etc. Keep out of direct sunlight.



HTH Scientific® Chips and Granular products can be used for water disinfection in commercial swimming pool applications.

Safety and First Aid Measures

Please consult Product Safety Datasheet

Packaging

HTH® Scientific™ Chips and Granular are available in 25kg polypropylene drums.

Product Code

HTH® Scientific™ Chips: SCI25CH
 HTH® Scientific™ Granular: SCI25

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