



aqua-health™

Chlorine Super 700

Disinfectant, Calcium Hypochlorite



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Chlorine

Chlorine is one of the most commonly used disinfectants for water disinfection and easily available from the marketplace. It comes in three forms which liquid, granular and tablet. Each varying in strength and efficiency when placed under direct sunlight. Chlorine can be applied for the deactivation of most microorganisms and it is relatively cheap. It has been used for applications, such as the deactivation of pathogens in drinking water, swimming pool water and wastewater, for the disinfection of household areas and for textile bleaching.

Chlorine is quickly consumed because the following factors are commonly found present in the water :

- Presence of Bacteria
- Presence of Algae
- Organic matter such as leaves, twigs, grass
- Organic by-products such as human or animal sweat and waste
- Sunlight
- Increase water temperature and evaporation
- Mechanical energy from moving water such as fountains and water features



Disinfectant and Sanitizer

Aqua-health Chlorine Super 700

Calcium Hypochlorite, Chlorine Super 700 is an inorganic compound with formula $\text{Ca}(\text{ClO})_2$. It is the preferred disinfectant for application, effective, convenient, and cheaper to use. $\text{Ca}(\text{ClO})_2$ is commonly used to sanitizer swimming pools and water disinfection.

Advantages

- Effective**
Effective against bacteria and fungi
- Convenient**
Simply apply to the water with desire concentration
- Low cost**
Work without any dosing equipment

Application

- Swimming pool / Spa
- Raw Water / underground water / Drinking Water
- Agriculture / Aquaculture
- Industry Water treatment

Aqua-health Chlorine Super 700 5kg

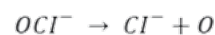
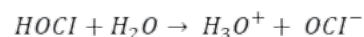
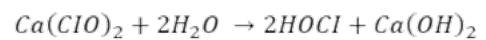
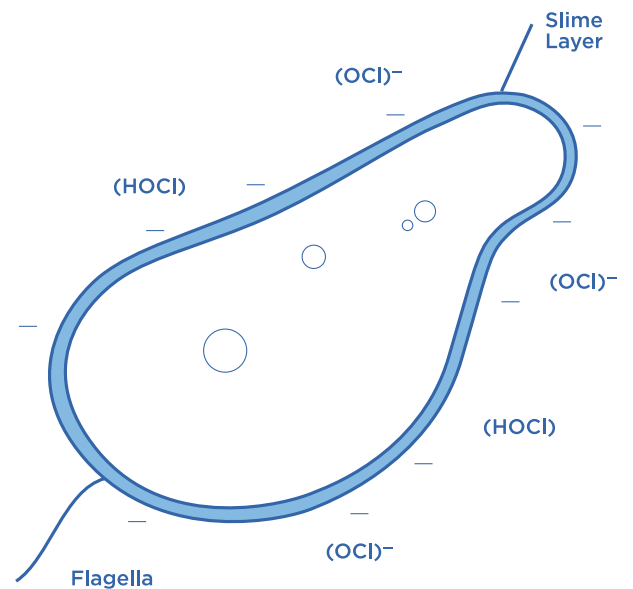
Chlorine Super 700 ideal solution for residential pool

Aqua-health Chlorine Super 700 40kg

Chlorine Super 700 40kg supplied for disinfection of large quantities of water such as commercial pool, industry water treatment, agriculture

How it works

Aqua-health Chlorine Super 700, $\text{Ca}(\text{ClO})_2$ reacts with water to form hypochlorous acid, HOCl and it will partly expires to Hypochlorite ions, OCl^- . Then, hypochlorous acid and hypochlorite ions will form free chlorine when bond together. Chlorine kills pathogens by by exchange enzymes or protein in bacterial cell surface. When chlorine contact with enzymes, hydrogen atoms in the molecule are replaced by chlorine. When enzymes do not function well, bacteria will die. This result disinfection. Hypochlorous acid penetrate the slime layers, cell walls and protective layers of pathogenic microorganism which negative charges, and kills pathogens effectively.



*** The product safety : this product is non-reactive & stable under normal conditions of storage & use. May intensify fire, keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No Smoking. Contact with acid liberates toxic gas.



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