

**RAKIRO BIOTECH SYSTEMS PVT LTD**

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Doc No : WTSH050SP**Date :** 01-04-2024**Type :** UDAAQ**Product Code :** WTSH050**PRODUCT LITERATURE****Nano Silver Hydrogen Peroxide Swimming Pool Cleaner****Product Ingredients**

Hydrogen Peroxide - 50% + Stabilized Nano Silver

Product Description

WTSH050 is a pool cleaner formulated with a Hydrogen Peroxide and Nano Silver particles. Is a specifically formulated pool cleaner that Is Chlorine Free, without harmful chemicals that ensures a clean pool. It is a highly effective Cleaner that Is fully degradable into water and has no toxic by-products. WTSH050 is a Food Grade Formulation Certified by NSF-USA under the NSF60 Standard.

Pool Chemistry includes monitoring the levels of pH and a disinfectant. Our Nano Silver Hydrogen Peroxide Swimming Pool Cleaner easily sanitizes your pool without the harsh chemicals & strong odours associated with chlorine.

The product Is not suitable for pools with an active carbon filter or (Hydro- Anthracite or DE filter) . We recommend the use of our Nano Silver Hydrogen Peroxide Swimming Pool Cleaner in Combination with sand filters and zeolite filters.

Product Features and Advantages**Reduced Chlorine Smell and Irritation:**

WTSH050 does not produce the strong chlorine smell that is often associated with traditional chlorine-based pool cleaning methods. It can make swimming more enjoyable and reduce eye, skin, and respiratory irritation for swimmers, especially those sensitive to chlorine.

Effects longlasting with Nano Silver Resedue

When added to pool the Hydrogen peroxide breaks down into water and oxygen but the nano silver particle are suspended in the water as resedue creating a Anti Bacterial protection for a prolong period.

Gentle on Skin and Hair

Hydrogen peroxide when used as cleaner is gentle on the skin and hair compared to chlorine. Chlorine can sometimes cause dryness, itching, and discolouration of skin and hair, especially with prolonged exposure.

Food Grade & Environmental Friendly

Chlorine can produce harmful disinfection by-products when it reacts with organic matter in the water that can be potentially harmful to human health and may contribute to water pollution. Hydrogen Peroxide based Chlorine Free Pool Cleaner is a Food Grade Formulation Certified by NSF-USA and thus environmentally friendly. It breaks down into water and oxygen without producing harmful by-products.

Effective Sanitization for Pool

While chlorine is a commonly used disinfectant for swimming pools, hydrogen peroxide can also effectively kill bacteria, viruses, and other microorganisms that may cause waterborne illnesses. Hydrogen peroxide formula can be used in conjunction with other pool maintenance methods, such as UV systems or ozone generators, to provide a comprehensive approach to pool sanitation.

Non Corrosive & Increases equipment Life

The product is Non-Corrosive for all types of surfaces & thus helps to Longer service life of swimming-pool materials and treatment plants.

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Following are the steps to use Nano Silver Hydrogen Peroxide Swimming Pool Cleaner

1. Tesing the Pool Water

Before adding WTSH050 to your swimming pool, it's important to test the water to ensure the pH levels are within the recommended range. Adjust the pool water pH between the range 6.5 to 7.5 before adding the product. Adding product with high pH levels can reduce its effectiveness and potentially cause damage to your pool. Add the product as per instruction only when you have confirmed that your water is balanced pH range (6.5 - 7.5)

2. Adding Cleaner Chemical

The amount of WTSH050 you need to add will depend on the size of your pool and the concentration of the peroxide. We recommend to add WTSH050 at a dose of 35 PPM of pool water volume. Calculate the Pool water holding capacity in Liters and Add 35ml per 1000L of water along with the recirculation process. An contact time of 1 hour is required for the sanitization process and make pool ready again for use. Make sure to wear gloves and eye protection when handling and keep it out of reach of children.

3. Monitoring the Pool

Monitoring the pH levels regularly is a very important part of treatemnt. Keeping the pH levels balanced will ensure that your pool stays clean and safe for swimming all the time. Proper filtration and circulation are essential when using Nano Silver Hydrogen Peroxide Swimming Pool Cleaner in your swimming pool. Make sure your pool's filtration system is working properly and clean the filter regularly. It will help remove any debris or contaminants from the water. Additionally, ensure that the water is circulating properly by running the pool pump for at least 8 hours a day. It will help distribute the peroxide evenly throughout the pool and prevent any areas from becoming stagnant. By maintaining proper filtration and circulation, you can ensure that your pool stays clean and safe for swimming.

Notes:

- 1) Store it at room temperature in a cool, clean, non-combustible and ventilated area below 25 DegC
- 2) Avoid contact with eyes, skin and breathing of vapours. Do not mix with other chemicals.