

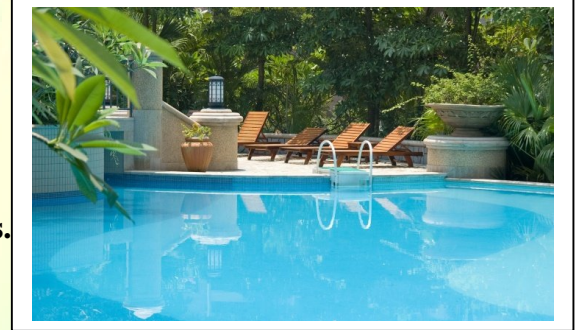
Diya Chemicals

Green Dioxide Application in Swimming Pool & Spa

The main purpose of swimming pool disinfection is to kill the pool water of bacteria, viruses, algae, prevent swimmers occurrence of cross infection. Bad disinfected pool, swimmers susceptible to infect conjunctivitis, trachoma, upper respiratory tract inflammation, pseudomonas aeruginosa otitis externa, fungal skin infections, and even Hepatitis B inflammation. Therefore, after swimming pool water filtration must have strict disinfection.

Chlorine Dioxide with Multiple Effects of Sterilization and Deodorization, the Advantages of Swimming Pool Disinfectant as Follows:

1. Strong oxidative capacity, its oxidation is 2.6 times the chlorine and can kill in a short time the water bacteria, viruses and algae, including bacillus, viruses and worms.



2. Not react with ammonia or chloramines when sterilization, so not produce odor, but oxidating smell substances such as thiols, secondary amines and tertiary amines; can keep good effect in high ammonia contained water.

3. Removal by oxidation of Fe^{2+} , Mn^{2+} , cyanide, and phenol.

4. After reaction not produce carcinogenic chlorinated organic compounds, so chloroform formation 90% less.

5. Sterilization value not affected within PH6-10, the higher the temperature, the better sterilization effect.

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