

Diya Chemicals

Green Dioxide Application in Drinking Portable & Process Water Treatment

Chlorine dioxide is an interesting alternative to Chlorine because of the completely different relationship involved, between action and reaction. Chlorine dioxide produces no organic, chlorine compounds with those contaminants most frequently found in water, e.g. Chloro phenols or halogenated Hydrocarbons (for example Halo forms such as Chloroform which is considered carcinogenic). The compounds formed from the reaction of Chlorine dioxide with organic water contaminants are therefore largely negligible in terms of sensory or toxicity considerations. This makes Chlorine dioxide an ideal disinfectant for the treatment of drinking water and process water or for circuit water systems.

Chlorine dioxide is effective against water bacteria, viruses, cryptosporidium, giardia, botulism. e.coli. & cholera.

Features:

1. Rapid, green, safe, efficient, no toxicity, harmless.
2. ClO₂ is WHO and EPA-approved for both pretreatment and final disinfection of potable water. It eliminates such microorganisms as escherichia coli and other coliforms, listeria, staphylococcus aureus, giardia cysts, algae and salmonella.
3. ClO₂ has consistently been shown to be the best molecule for eradicating the causative organism of legionnaires' disease.
4. ClO₂ effectively removes hard water components i.e. iron and manganese, promotes flocculation, and aids in the removal of turbidity.
5. ClO₂ does not combine with organics to form suspected carcinogens such as THM's or haloacetic acids (HAA's).

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