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## About Chlorine Dioxide

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# Chlorine Dioxide Chemistry FAQs

ClO<sub>2</sub> is a powerful disinfectant that reacts rapidly via oxidation to provide effective microbiocidal impact. It delivers broad spectrum performance against bacteria, fungi, algae, viruses, and parasitic microorganisms. ClO<sub>2</sub> kills vegetative microorganisms and effectively deactivates sporulated species. By holding a minimal, easily detectable ClO<sub>2</sub> residual concentration for a period, vegetative bacteria are killed quickly at low effective dose levels, and sporulates species inactivation occurs at low concentration time values, CT.

ClO<sub>2</sub> rapidly inactivates waterborne viruses like Rotavirus and can also be used to kill both Giardia cysts and Cryptosporidium oocysts. In industrial applications it is very effective against Sulfate Reducing Bacteria, SRB's, and Acid Producing Bacteria, APB's.