



## SCS-10K FOR PORTABLE WATER TREATMENT

SCS-10K (Chlorine Dioxide Powder) is a highly effective, safe, quick and broad spectrum disinfectant, recommended to the world by WHO and FAO with class A1. It is the fourth generation of disinfectant after Bleaching Powder (Pypochloride), Sodium Dichloroisocyanurate (SDIC (sodium dichloroisocyanurate)) and Trichloroisocyanuric Acid (TCCA). SCS- 10K is a good sterilization agent against bacteria, mold, fungi, virus, as well as their spores.

Chlorine dioxide's broad spectrum capabilities enable it to be used in a variety of potable water applications

- Iron & Manganese Oxidation
- Taste & Odor Control
- Trihalomethane (THMs) & Haloacetic Acids (HAAs) Control
- Color Removal & Algae Control
- Cryptosporidium Inactivation
- Nitrification Control
- Zebra Mussel Control



SCS-10K a versatile broad spectrum disinfectant that can also be used as a primary disinfectant in potable water, as it reduces or controls bacteria, viruses, cysts and algae(pseudomonas, coli, Cholera, cryptosporidium, Giardia, etc...). while being effective over wide temperature & pH ranges. Using SCS-10K will help optimize overall treatment efficiencies, including improved coagulation, reduced turbidities, improved particulate removals, increased CT values and lower THMs and HAAs levels.

It has superior disinfection capabilities over elemental chlorine and, through its selective chemistry, it reacts quickly to oxidize and reduce the organic load in the water. SCS-10K not a chlorinating agent and can be used as a primary disinfectant, or as a raw water oxidant, for THM and HAA precursor reduction in potable water treatment systems.

SCS-10K an interesting alternative to Chlorine because of the completely different relationship involved between action and reaction. SCS-10K does not produce 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 SCS-10K with organic water contaminants are therefore largely negligible in terms of sensory or toxicity considerations. This makes SCS-10K an ideal disinfectant for the treatment of drinking water and process water or for circuit water systems.



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