

ULTRA-PURE CLO₂

AGRICULTURE APPLICATIONS



WHO WE ARE

SMT specializes in the manufacture and application of ultra-pure chlorine dioxide products.

We strive to provide the absolute best solutions and strategies for reducing and eliminating bacteria, viruses, and other pathogens from whatever environments our customers are working in. We are dedicated to making spaces cleaner and safer for those that occupy them.

THE SELECTIVE MICRO DIFFERENCE

Our chlorine dioxide products are unlike any other available on the market. Our patented micro-reactors utilize a proprietary membrane technology which yields the most pure solutions of chlorine dioxide possible. What this means to the end user is that there is no requirement to mix chemicals, there is no unnecessary exposure to precursor chemistry, and solutions generate to a neutral pH while having high compatibility with surfaces. It also means that the end user can work with less-concentrated solutions in order to achieve better results!

SELECTROCIDE® CLO₂ IN ACTION

Selectrocide® is a water activated disinfectant and deodorizer. It works through oxidation. For this reason, microbes cannot develop resistant strains. Chlorine dioxide is highly effective anti-microbial against bacteria, viruses, fungi, spore formers and even biofilm. Our CLO₂ is EPA registered as a broad spectrum disinfectant. It is non-residual, safe to use around people, fast, easy, and effective.

GROW OP/HORTICULTURE

Our EPA-registered disinfectants can be used to disinfectant your grow operation to prevent cross-contamination during growth or processing, including:

- Tools, buckets, cutting tables
- Walls, floors, drains and ceilings
- Any other hard, non-porous surfaces

FOOD PRODUCTION

Our EPA-registered and FDA-approved products can be used in antimicrobial washes to reduce spoilage organisms and extend the shelf life of produce:

- Wash raw agricultural commodities such as fruits and vegetables
- Wash processed foods such as fruits and vegetables

IRRIGATION SYSTEMS

Our ultra-pure chlorine dioxide can be used as a continuous treatment in irrigation systems to remove slime and algae and to inhibit its reemergence.

- Disinfect water holding tanks and irrigation/transfer lines
- Remove slime, algae, and fungi from water holding tanks and irrigation/transfer lines
- Inhibit the establishment of slime, algae, and fungi
- Use as an algacide and fungicide for treating, preventing, suppressing, and controlling horticultural diseases on hard, non-porous surfaces in commercial greenhouses.

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