

Inventory of Effective Food Contact Substance (FCS) Notifications

FCN No. 645

Food Contact Substance: Pure Chlorine Dioxide

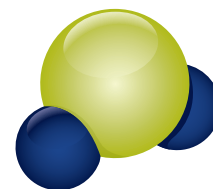
Notifier: Selective Micro Technologies, LLC

Manufacturer: Selective Micro Technologies, LLC

Intended Use: As an antimicrobial agent in water used in poultry processing and to wash fruits and vegetables that are not raw agricultural commodities in an amount not to exceed 3ppm residual chlorine dioxide as determined by methods specified in 21 CFR 173.300. The treated fruits or vegetables will be further processed by blanching, canning or cooking, or consumed as fresh-cut fruits and vegetables.

Effective Date: 12/22/2006

Limitations/Specifications: The chlorine dioxide solution contains at least 90 percent by weight of chlorine dioxide with respect to all chlorine species as determined by Method 4500-C102E.





Quick Reference

Pure (and only pure) chlorine dioxide offers many benefits from other common and well-known disinfectants. Unlike stabilized (dirty) chlorine dioxide, bleach and acids, pure chlorine dioxide from SMT, is far more powerful and offers much greater efficacy. Even with all of its power, pure chlorine dioxide demonstrates a negligible toxicity profile. Aside from highly efficacious mold remediation and attendant deodorization, the biggest differences you will get with use of SMT's patented, pure chlorine dioxide technology, especially as measured against many commonly known disinfection products, are **the following benefits**:

- Pure ClO_2 is many times more powerful than bleach as a disinfectant and sanitizer
- Pure ClO_2 is non-corrosive as compared to bleach or other disinfectants
 - Pure ClO_2 is not a dermal sensitizer
 - Pure ClO_2 may be used on food, water and food preparation surfaces
- Pure ClO_2 is a very powerful oxidizer so germs and bacteria are unable to build up tolerance
- Pure ClO_2 is effective against wide varieties of dangerous microorganisms:
 - Germs
 - Viruses
 - Spores
 - Molds and fungi
 - Bacteria (gram negative and gram positive bacteria)
- Pure ClO_2 from SMT is easy to use
 - Just add water
 - Spray and walk away
 - Offers superior material compatibility
 - Pour any unused solution down any drain
 - Throw used packages in any trash receptacle
 - No special handling or disposal training necessary
- Pure ClO_2 is also a powerful deodorizer
 - Pure ClO_2 has higher kill capacity as compared to any other major oxidizer (2.5x)
 - Pure ClO_2 offers superior ability to remove bio-slime (gas phase and aqueous application)

These are just a few of the benefits of Pure ClO_2 from SMT. Our products are recognized and listed by the FDA, the EPA and OMRI (Organic Materials Review Institute). For more information please visit our website **www.selectivemicro.com**.

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