

CSI 3000™ Liquid Chlorine Dioxide Concentrate

CSI 3000 is EPA-registered (#75757-2-80802) pure chlorine dioxide concentrate, which is a powerful, low-dose, selective oxidizer with low corrosivity. No on-site mixing or “activation” is required, just dilute from the 3000 ppm to your use concentration. It is used to control microorganisms in food, research, production, pharmaceutical and agricultural applications. It is easier to apply, safer to handle, and more effective than chlorine or bromine-based products. CSI-3000 operates over a wide pH range which does not produce chlorinated organics (THMs, HAAs) or chlorophenols and penetrates biofilms. It is free of toxic or carcinogenic by-products, and is capable of removing even some of the toughest bio-contaminants. In fact, chlorite and chlorate, two of chlorine dioxide’s primary by-products, both break down into chloride, or simple, harmless salt.

FEATURES & BENEFITS

- Pure chlorine dioxide in water
- Concentrated: 3000 ppm (0.3%)
- DOT-approved for transport
- No “activation” required
- No on-site chemical mixing
- Storage stable at room temperature
- Applied by simple chemical feed pump
- Maintains efficacy at pH up to 9
- Rinses clean; no residue

CERTIFICATIONS

- Certified to NSF/ANSI Standard 60 (Registration No. 59660) and Non-Food Compounds (Registration No. C 1073954) category codes G-5 and G-7
- Star-K Kosher certified
- OMRI certified product number 857 under classes Processing Sanitizers and Cleaners, Crop Management Tools and Production Aids, and Livestock Management Tools and Production Aids

STORAGE & HANDLING

When not in use, keep containers tightly closed in a dark, dry place away from extreme temperatures. This product is to be used as directed within 9 months of the manufacture date indicated on the label. Do not reuse or refill this container.



Available in 6 Different Sizes

- ½ Gallon
- 5 Gallons
- 15 Gallons
- 30 Gallons
- 55 Gallons
- 275 Gallons

CSI 3000 APPLICATIONS

- Commercial potable water systems
- Recirculating cooling water systems
- Air washers and scrubbers
- Food and beverage processing plants
- Industrial pasteurizers
- Heat transfer systems
- Agricultural applications
- Membrane cleaning

SPECIFIC APPLICATION	CONCENTRATION AND CONTACT TIME
Treatment of Ventilation Systems	500 ppm (500 mg/L) for 10 minutes
Sanitizer for Non-Food Contact Surfaces	110-500 ppm (110-500 mg/L) for 5 minutes
Sanitizer for Food Contact Surfaces	25- 50 ppm (25-50 mg/L) for 1 minute
Sanitizer for Food Processing Equipment in Breweries, Dairies, Meat, Poultry, and Bottling Plants	25-50 ppm (25-50 mg/L) for 1 minute
Cleaning and Treatment of Stainless Steel Transfer Lines, Hydrocoolers, and Pasteurizers	20 ppm (20 mg/L) for each 10 gallons of volume
Control Bacteria and Odor in Egg Rooms and Hatching Rooms	1000 ppm (1000 mg/L) for 10 minutes
Control Bacteria, Mold, and Mildew in Animal Confinement Facilities and Transport Vehicles	300-500 ppm (300 - 500 mg/L) for 10 minutes
Disinfect Water for Consumption by Poultry, Swine, and Cattle	5.0 ppm (5.0 mg/L) for 10 minutes
Control Bacteria, Mold, and Mildew in Agricultural Storage Facilities	300 ppm (300 mg/L) for 10 minutes
Microbial Control and to Extend Freshness of Fruit and Vegetable Washes	Add to water at a maximum dose of 100 ppm (100 mg/L) to achieve a residual of between 0.5 and 3 ppm (0.5 and 3.0 mg/L)
Disinfection of Potable Water of Human Consumption Under US EPA regulations, drinking water intended for human consumption may not contain more than 0.8 ppm (0.8 mg/L) residual chlorine dioxide.	Add to the water at a dose of between 1.5 ppm (1.0 mg/L) and 2.0 ppm (2.0 mg/L).
Treatment of Cooling Water Systems, Process Water Systems, Flume Waters, and Cooling Towers	50 ppm (50 mg/L) and circulate or let stand overnight

INTENDED FOR USE AGAINST THE FOLLOWING MICROORGANISMS

- *Staphylococcus aureus* [ATCC 6538] (*S. aureus*)
- *Klebsiella pneumoniae* [ATCC 4352] (*K. pneumoniae*)
- *Salmonella enterica* [(formerly typhi)] [ATCC 6539] (*S. Enterica*)
- *Staphylococcus aureus* [ATCC 6538] (*S. aureus*)
- *Raoultella terrigena* [ATCC 33257] (formerly designated as *Klebsiella terrigena*) (*R. terrigena*)
- *Legionella pneumophila* [ATCC 33152] (*L. pneumophila*)
- Poliovirus 1 [ATCC VR-59]
- Rotavirus SA-11 [ATCC VR-2018]