



8820 Old Hwy 99 SE, Tumwater, Washington 98501, USA  
360-943-6063 800-562-6184 FAX 360-352-4813 www.ch2o.com

**Product  
Bulletin**

## DE-CHLOR PLUS CHLORINE NEUTRALIZER

### APPLICATION

Food processing and other industries often use high concentrations of an oxidizer (sodium hypochlorite or other chlorine products, bromine, iodine, or ozone) to sanitize equipment. These strong oxidizers work by chemically burning the microorganisms which cause the spread of disease and spoilage of food products.

After using high levels of these strong oxidizers, it is usually required to remove any residual from the waste water before it is discharged to septic systems or municipal sewage treatment plants. If the strong oxidizer is not removed from the waste before it is discharged, the bacteria cultures used at the waste treatment plant or those natural bacteria in the environment may be harmed. Additionally, there is an increased corrosion rate to metal equipment that is exposed to oxidizing agents.

**DE-CHLOR PLUS** is a reducing agent, which consumes oxidizers such as sodium hypochlorite. With oxidizers removed, corrosion of metal components is substantially reduced and the biological systems used in waste treatment are protected.

It is important that solutions treated with **DE-CHLOR PLUS** be maintained at pH of 6.5 or greater. Toxic gases can be formed when the pH of **DE-CHLOR PLUS** is below this 6.5.

**DE-CHLOR PLUS** is not intended for direct application to food or food products.

### STORAGE & HANDLING PROCEDURE

This product is a corrosive to skin & eyes, and has a strong pungent odor. Sensitive individuals may develop dermatitis upon prolonged or repeated contact.

### DOSAGE

Use **DE-CHLOR PLUS** at the rate of ½ fl. oz. per 1,000 gallons to neutralize 1 part per million of chlorine residual. Pro-rate dosage accordingly.

### FEEDING TECHNIQUE

Agitate the sanitizing solution with correct dosage and mix thoroughly.

### CONTROL

Measure for residual chlorine or other oxidizer. Adjust dosage until the residual test indicates zero or near zero levels. Daily testing is recommended to maintain proper control. Failure to monitor and maintain treatment levels can cause damage. In addition to monitoring and maintaining treatment levels, it is the customer's responsibility to ensure the product is fit for its intended application.

### PHYSICAL PROPERTIES

pH of 1% Solution..... 4-6  
Pounds per Gallon..... 11 - 12  
Physical Appearance..... Lt. Yellowish  
Odor ..... STRONG, pungent  
Flash Point .....N/A

### **Seller Warranty**

CH<sub>2</sub>O brand test reagent refills are available through your sales representative at no charge. Customers are required to confirm product compatibility via a control test for their specific application. CH<sub>2</sub>O recommends that you perform regular/daily testing to control chemical levels and cycles of concentration within established limits. Additional tests may be performed at your request. Test reports reflect conditions at the point when the analysis was performed. Results will change over time and with varying operating conditions.

Seller warrants that this product conforms to its chemical description and is reasonably fit for the purpose referred to in the product data sheet. Buyer is responsible to ensure that products and product dosages are appropriate for Buyer's particular application. Seller makes no other warranty or representation of any kind, express or implied, concerning the product, including NO IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS OF THE GOODS FOR ANY OTHER PARTICULAR PURPOSE. No such warranties shall be implied by law and no agent of seller is authorized to alter this warranty in any way except in writing with a specific reference to this warranty. The exclusive remedy against seller shall be a claim for damages not to exceed the purchase price of the product, without regard to whether such a claim is based upon breach of warranty or tort. Jurisdiction for any issues arising from or relating to this product shall be in the courts of the State of Washington and the venue shall be Thurston County. Any controversy or claim arising out of or relating to this contract, or breach thereof, shall be settled by arbitration in accordance with the rules and procedures as stated in RCW 7.06 and shall be binding upon both parties without right to appeal, and judgment upon the award rendered by the Arbitrator(s) may be entered in any court having jurisdiction thereof.

Applies to all products sold by CH<sub>2</sub>O, Inc., and is hereby communicated to all of its customers as a condition of sale. Use of CH<sub>2</sub>O products is subject to the Standard Terms and Conditions as listed on CH<sub>2</sub>O, Inc.'s website at: [www.ch2o.com](http://www.ch2o.com).



VERSION DATE: June 18, 2023

REVISION DATE: 1/24/2024

