



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

**Product  
Bulletin**

## DE-CHLOR LIQUID CHLORINE NEUTRALIZING AGENT

### APPLICATION

Food processing and other industries often use high concentrations of chlorine-based products, such as sodium hypochlorite, to sanitize equipment. These chlorine products are strong oxidizers. Other oxidizers used are bromine release agents, iodine, and ozone. These work by chemically burning microorganisms, which cause the spread of disease and spoilage of food products.

There are several undesirable side effects associated with the use of strong oxidizers. First, it is necessary to remove residual oxidizers from sanitized equipment to prevent chemical reactions with products being processed. Second, when the sanitizer is discharged to septic systems or municipal sewage treatment plants, the bacteria culture used to treat wastes may be harmed; waste treatment bacteria are necessary to the treatment process. A third notable effect is corrosion of metal equipment exposed to oxidizing agents.

**DE-CHLOR LIQUID** is a reducing agent, which consumes oxidizers. The resulting benefit is rapid removal of dissolved oxidizers, such as sodium hypochlorite. With oxidizers removed, corrosion of metal components in process equipment is substantially reduced and the biological systems used in waste treatment are protected.

### GENERAL REGULATORY STATEMENT

This product is formulated in accordance with various FDA guidelines relating to washing and/or waxing food for human consumption. Contact your CH<sub>2</sub>O representative if more information is needed on specific regulatory compliances.

### STORAGE & HANDLING PROCEDURE

This product is a mild irritant. Eye contact will cause minor irritation. Sensitive individuals may develop dermatitis upon prolonged or repeated contact.

### DOSAGE

Use **DE-CHLOR LIQUID** at the rate of 5 pints or 2.5 quarts per 1,000 gallons of sanitizer solution containing 100 parts per million of chlorine residual. Prorate 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.

### PHYSICAL PROPERTIES

pH of 1% Solution..... 6.5-8.5  
Pounds per Gallon..... 9.7-10.3  
Physical Appearance..... Colorless  
Odor .....Mild  
Flash Point ..... N/A

### **Seller Warranty**

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.

Seller warrants that this product conforms to its chemical description and is reasonably fit for the purpose referred to in the directions for use when used in accordance with the directions under normal conditions. Buyer assumes the risk of any use contrary to such directions. 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.

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