



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



DE-CHLOR WASTE WATER TREATMENT

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 to metal equipment exposed to oxidizing agents.

DE-CHLOR is an activated reducing agent, which consumes oxidizers. The resulting benefit is rapid and complete removal of dissolved oxidizers such as sodium hypochlorite. With oxidizers removed, metal components of process equipment are protected from corrosion 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 CH₂O 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** at the rate of 3 pounds 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 thoroughly mix.

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.....	8.5-10.5
Pounds per Gallon.....	NA
Physical Appearance.....	White Powder
Odor.....	None
Flash Point.....	NA

Seller Warranty

CH₂O 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. CH₂O 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 CH₂O, Inc., and is hereby communicated to all of its customers as a condition of sale. Use of CH₂O products is subject to the Standard Terms and Conditions as listed on CH₂O, Inc.'s website at: www.ch2o.com.



VERSION DATE: June 18, 2004 REVISION DATE: September 2011

