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**Product  
Bulletin**

# ADJUVANT HW

## PART TWO OF A TWO-PART SYSTEM FOR GENERATING CHLORINE DIOXIDE INTO A CH<sub>2</sub>O CHLORINE DIOXIDE GENERATOR

### APPLICATION

Chlorine dioxide is generated in the CH<sub>2</sub>O chlorine dioxide generator by reacting a sodium chlorite solution with an acid activator. **ADJUVANT HW** is an acid activator designed to give the most complete and efficient conversion of these two components to chlorine dioxide.

### ORGANIC APPLICATIONS

**ADJUVANT HW** is certified by the Washington State Department of Agriculture for disease and pest control in organic products. It must be used for the generation of chlorine dioxide concurrently with an EPA registered source of sodium chlorite. Residual chlorine levels in the water shall not exceed the maximum residual disinfectant limit under the safe drinking water act.

### DIRECTIONS FOR USE

Depending on the product to be activated and the generator design, **ADJUVANT HW** is introduced into the generator at a metered rate to produce chlorine dioxide from **IVR-SAN 7.5** or **AQUA CLEAR 15**. **ADJUVANT HW** is intended to be used for the activation of sodium chlorite solutions in chlorine dioxide generators only and should never be added directly to the sodium chlorite solution by any other means.

**ADJUVANT HW** may also be used to lower pH in a variety of water systems. Add as necessary to obtain the desired pH level. Dosage will vary depending upon water conditions.

### SAFETY & HANDLING PROCEDURE

**ADJUVANT HW** is a very acidic product. Contact with the material will cause severe burns; prolonged contact with material will destroy tissue. Complete safety equipment must be worn when handling product. Wear impervious gloves, safety goggles and face shield; as well as protective clothing, boots, and respiratory protection as necessary to minimize contact with product.

**CAUTION:** When added to water, **ADJUVANT HW** will reduce pH and increase chloride level. As such, it may cause damage to system metal or other components. The customer should consult the equipment manufacturer to insure compatibility prior to addition.

### CONTROL

Daily testing is recommended to maintain proper control. Failure to monitor and maintain treatment levels can cause damage. It is the customer's responsibility to monitor and maintain treatment levels. Additional testing may be performed upon request.

### DOSAGE

Use only with CH<sub>2</sub>O operating equipment. A control test is necessary for individual applications to determine tolerance. Customers shall set treatment levels based on their control test results.

### PHYSICAL PROPERTIES

Physical Appearance ..... Clear  
Odor ..... Moderate, Pungent  
1% pH..... <3  
Pounds per Gallon..... 8.5-9.0

### 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 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.

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).

VALIDATION

