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Product Bulletin

ADJUVANT H PART TWO OF A TWO-PART SYSTEM FOR GENERATING CHLORINE DIOXIDE INTO A CH₂O CHLORINE DIOXIDE GENERATOR

APPLICATION

Chlorine dioxide is generated in the CH₂O chlorine dioxide generator by reacting a sodium chlorite solution with an acid activator. **ADJUVANT H** is an acid activator designed to give the most complete and efficient conversion of these two components to chlorine dioxide.

ORGANIC APPLICATIONS

ADJUVANT H is certified by the Washington State Department of Agriculture for processing and handling organic products. It must be used for the generation of chlorine dioxide. 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 H** is introduced into the generator at a metered rate to produce chlorine dioxide from **IVR-SAN 7.5**, **IVR-SAN 15**, **AQUA CLEAR 15**, **CLEAN FINISH**, or any other source of sodium chlorite. **ADJUVANT H** 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 H allows simple on-side generation of a chelant compound as part of your specific treatment program.

ADJUVANT H 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.

FEEDING TECHNIQUE

Inject directly into the water distribution lines. Use this product only with applicable CH₂O precursor chemicals and dose the solution with properly calibrated and maintained metering equipment.

SAFETY & HANDLING PROCEDURE

ADJUVANT H is an extremely 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 H** 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 ensure compatibility prior to addition.

CONTROL

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. Additional testing may be performed upon request.

DOSAGE

Use only with compatible 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..... 8.7-9.2

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 10, 2014

REVISION DATE: September 09, 2026

