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Product Bulletin

FREEZE FRESH™ 15

ANTIMICROBIAL FOR THE FOOD PROCESSING INDUSTRY

Effective

Broad-Spectrum

Fast Acting

APPLICATION

FREEZE FRESH 15 is an effective, broad-spectrum, fast acting antimicrobial for the food processing industry that is used to control pathogens and to extend the shelf-life of product. It is considered a secondary direct food additive and must be used in accordance with 21CFR173.300 or 21CFR173.325.

Applications for **FREEZE FRESH 15** include:

-Poultry processing, -Fruit and vegetable washing, -Red meat processing, -Seafood processing, -Raw agricultural commodity processing (preparing, packing, holding), -Processed, comminuted/formed meat product processing (prior to packaging), and -Processed fruits and vegetables.

For hard surface cleaning and sanitization requirements in the processing facility, such as holds, tanks, totes, food-handling surfaces, utensils, and other hard surfaces, we recommend using **SANI-PAC** or **STOP-IT**, which are registered for these applications.

DIRECTIONS FOR USE

FREEZE FRESH 15 is reacted with either a GRAS acid to make acidified sodium chlorite, or with a GRAS acid and sodium hypochlorite to make chlorine dioxide.

Contact your CH2O account manager for additional information on the use of **FREEZE FRESH 15**, including other ancillary products to meet the CFR requirements.

WATERBORNE PATHOGENS

Legionella bacteria and other pathogens may be present in water systems. Application of a microbicide does not guarantee the absence of such pathogens, nor is it possible or reasonable to eliminate all risk of infection. Users should develop a comprehensive water management plan in accordance with ANSI/ASHRAE Standard 188, OSHA guidelines (OSHA Technical Manual Section III: Chapter 7), and other guidelines applicable to the specific facility/system. CH2O, Inc. recommends that testing for legionella bacteria be incorporated in the facility's water management plan.

SAFETY & HANDLING PROCEDURE

Read the Safety Data Sheet for this product before handling and use. **FREEZE FRESH 15** contains sodium chlorite, which is an oxidizing agent. Mixing this product with acids, alcohol, or other chemicals may cause the evolution of a hazardous gas mixture. Use only thoroughly cleaned utensils (transfer pump, storage container, etc.) when handling. Always make acidified solutions in a well ventilated area.

This product contains a chemical that is degraded by heat and exposure to UV light (sunlight). Product should be stored in a cool, dark area in its original container.

CONTROL

The chlorine dioxide or acidified sodium chlorite residual of the use-solution must be maintained in accordance with the relevant 21 CFR citation.

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.

Use only with CH2O operating equipment. A control test is necessary for individual applications to determine tolerance. Customer shall set treatment levels based on the CFR and their control test results.

REGULATORY APPROVAL

FREEZE FRESH 15 is considered a food additive. As such, it is regulated by the FDA in the code of federal regulations title 21, sections 173.300 (Chlorine Dioxide) and 173.325 (Acidified Sodium Chlorite Solutions).

PHYSICAL PROPERTIES

Appearance	Clear, Pale Green Liquid
Odor.....	Mild, Ammonia-sulfide
Foam	None
Pounds per Gallon.....	9.1 – 9.6
pH of Use Solution.....	2.3 – 3.2

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.



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