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# HOT-SHOT CHLORINATED CIRCULATION CLEANER FOR "CIP" CLEANING OF HEAVY FAT AND PROTEIN BUILDUP

## TYPICAL APPLICATIONS

**HOT-SHOT** is ideal where CIP or circulation cleaning is required on milk lines, tanks, juice plants, breweries, and in other applications where low-foam, chlorinated, and alkaline cleaning is needed. **HOT-SHOT** provides superior performance in operations where sufficient hot water is not available.

### **Concentrated**

**HOT-SHOT** is a fast-dissolving, granular solid. Solutions produced are evenly distributed and do not "cake-up" on the bottom of tanks and vessels. It is formulated with high levels of chlorine, caustic, and water conditioners to accommodate a variety of water conditions from soft to high hardness water.

### **Free Rinsing**

Selected surfactants and wetting agents in **HOT-SHOT** help emulsify fat soils and control foaming. These agents also provide excellent rinsing ability.

## AUTHORIZATION

**HOT-SHOT** is acceptable for use in soak tanks or with steam or mechanical cleaning devices in all departments of official establishments operating under the federal meat, poultry, shell egg grading, and egg products inspection programs.

## SAFETY

Wear goggles and gloves when handling this product. Keep out of the reach of children. Do not mix with acid detergents or sanitizers.

## GENERAL DIRECTIONS

- 1) Before using **HOT-SHOT** solution, food products and packaging materials must be removed from the room or carefully protected.
- 2) Pre-flush lines and equipment with water until water is clear.
- 3) At a starting temperature of 160°F pre-dissolve 1 ounce of **HOT-SHOT** per 3 gallons of water and add to the circulation tank. Circulate cleaning solution through the system for a minimum of 10 minutes.
- 4) Brush-wash all parts of equipment not contacted by circulating solution. Wear rubber gloves and use an appropriate brush.
- 5) Rinse **HOT-SHOT** solution thoroughly from equipment with lukewarm potable water.
- 6) Prior to using equipment, sanitize with an appropriate solution. If an acid cleaning is necessary, use 1 ounce of **NITRO-CIRC 963** to each gallon of water and follow the above procedure.

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.

## PROPERTIES

Appearance.....White Granular Solid  
 Odor.....Mild Chlorine  
 Foam.....Low Foaming  
 Rinsing Ability.....Excellent  
 pH at 1 oz./gal.....12.0-13.0  
 Available Chlorine.....120 ppm @ 1 oz. per 2 gal water

**PRODUCT pH INDICATOR**

---- acid ---- neutral ---- alkaline ----

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14



### **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 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 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).



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