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PERASAN A AQUEOUS PERACETIC ACID & HYDROGEN PEROXIDE SOLUTION

APPLICATION

PERASAN A is an equilibrium mixture of peracetic acid, hydrogen peroxide, and acetic acid, proprietary ingredients, and water. It is used in the dairy, food and beverage processing industry for CIP pipeline cleaning, sanitizing, bottle and filler sanitizing, and disinfection. It is also used in the treatment of cooling water, process and wastewater. A potable water rinse is not necessary if less than 2.4 oz/6 gal is used (200 ppm active PAA).

PERASAN A has a high oxidation potential and is very reactive. It exhibits excellent bactericidal and fungicidal activity against a wide range of microorganisms in cold or warm water. **PERASAN A** degrades to oxygen, water, and carbon.

DIRECTIONS FOR USE

PERASAN A is used in water or ice that has contact with raw or fresh, post-harvest, or further processed fruits and vegetables for the control of spoilage and/or decay-causing bacteria and fungi. The product is typically applied through a drip or spray bar application at a dilution of no more than 80 parts per million of active peracetic acid. It can also be used in flume water as a microbiocide.

GENERAL REGULATORY STATEMENT

Food contact is allowed by the FDA without a potable water rinse in accordance with 21 CFR Part 173.315, 40 CFR Part 180.1196, and 40 CFR Part 180.1197.

SAFETY & HANDLING PROCEDURE

PERASAN A is a strong oxidizing agent. Any source of heat and combustibles such as paper, wood, or leather should be avoided. Temperatures above 86°F will degrade product, accelerate decomposition, and reduce shelf life. (Product is shelf-stable for up to one year when stored at room temperature and away from direct sunlight.) Drums must be stored in an upright position. Product should never be returned to the original container.

PERASAN A is corrosive to skin, eyes, and mucous membranes in its concentrated form, and can be corrosive in use-dilutions.

Safety goggles or face shield and heavy rubber or vinyl gloves must be worn when handling the concentrated product. Impervious gloves and safety goggles must be worn when working with product dilutions.

REGULATORY APPROVAL

PERASAN A is federally registered under the registration number 63838-1.

PHYSICAL PROPERTIES

| | |
|--------------------------------|-------------------|
| Peracetic acid (% wt.)..... | 5.6-6.0 |
| Hydrogen peroxide (% wt.)..... | 26.5-27.9 |
| Appearance | Colorless Liquid |
| Odor | Moderate, Pungent |
| Foam | None |
| Pounds per Gallon | 9.2-9.7 |
| pH of 1% Soln | <3 |

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 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 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.

