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**Product  
Bulletin**

# SANI-PAC

## PEROXYACETIC ACID & HYDROGEN PEROXIDE SOLUTION

### APPLICATION

**SANI-PAC** is an equilibrium mixture of peroxyacetic acid, hydrogen peroxide, and acetic acid, as well as proprietary ingredients and water. It is an effective sanitizer that is approved for use in breweries, wineries, beverage and food processing/packing plants and fruit and vegetable process water. It contains higher levels of hydrogen peroxide and less acetic acid than other competitive products, which results in superior performance.

**SANI-PAC** 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. In most cases, potable water rinsing is not necessary. **SANI-PAC** degrades to oxygen, water, and carbon.

### 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. CH<sub>2</sub>O, Inc. recommends that testing for legionella bacteria be incorporated in the facility's water management plan.

### GENERAL USE DIRECTIONS

**SANI-PAC** is recommended for use as a sanitizer on pre-cleaned conveyors and equipment for meat, poultry, seafood, fruit, nuts and vegetables at a concentration of 0.7 – 2.0 fluid ounces dissolved in 10 gallons of water (93 - 260 ppm active peroxyacetic acid). The sanitizer solution is applied to the return portion of the conveyor or equipment using coarse spray or similar means of wetting surfaces, so as to prevent puddling. The sanitizer should thoroughly wet surface for a minimum of 60 seconds contact time; no rinse is needed.

### 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.

**Sani-Pac** 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 bacteria and fungi in commercial operations and packing houses. The product is typically applied through a drip or spray bar application at a dilution of no more than 80 parts per million active peroxyacetic acid.

### SAFETY & HANDLING PROCEDURE

**SANI-PAC** 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 may decompose at temperatures above 156°F but 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.

**SANI-PAC** 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

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.

**SANI-PAC** is federally registered under the EPA registration number 63838-2-43553.

### PHYSICAL PROPERTIES

Peroxyacetic acid (% wt.) .....	15.0-15.7
Hydrogen peroxide (% wt.) .....	22-23
Appearance.....	Colorless Liquid
Odor .....	Moderate, Pungent
Foam .....	None
Pounds per Gallon .....	9.3-9.8
pH of 10% Solution .....	<1

### 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).

