**Antimicrobial Solution**

**Shield-Brite® PAA 15.0** is a peracetic acid-based microbicide developed for Equipment Sanitizing, Disinfection and Bacteria, Fungi, Stige and Odor Control in Food and Vegetable Process Water Systems.

**ACTIVE INGREDIENTS:**
- Peroxyacetic Acid: 15.0%
- Hydrogen Peroxide: 22.0%
- Other Ingredients: 63.0%

**Net Contents:** 4.75 Gallons (17.98 Liters)

**ACTIVE INGREDIENTS:**
- Shield-Brite Antimicrobial Solution

**Shield-Brite® PAA 15.0** is a sterilizing and sanitizing product designed for use in food and vegetable processing environments. It is effective against a wide range of pathogens, including Staphylococcus aureus and gram negative organism Escherichia coli. For use in the AOAC Germicidal and Detergent Sanitizing Action Test.

**PRECAUTIONARY STATEMENTS**

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**:

- **DANGER: CORROSIVE:** Do not enter an enclosed area without proper respiratory protection, or when uncoating of product transfer hose. Causes irreversible eye damage and skin burns. May be fatal if inhaled or absorbed through skin. Harmful if swallowed. Do not breathe vapors or spray mist. Do not get in eyes, on skin, or on clothing. Wear goggles, face shield, rubber gloves and protective clothing with long sleeves when handling. Wash thoroughly with soap and water after handling and before eating, drinking, or smoking. Avoid contact with skin and eyes. Remove contaminated clothing and wash before reuse.

**STORAGE AND DISPOSAL**:

- **Do not enter an enclosed area without proper respiratory protection.**
- **Do not discharge effluent containing this product into sewer systems unless in accordance with the requirements of the National Pollution Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge.**
- **Do not discharge effluent containing this product into surface water bodies.**
- **This product is not combustible; however, at temperatures exceeding 156°F, decomposition occurs.**
- **Keep container out of direct sunlight.**
- **Protect from freezing.**
- **Shake before use.**

**FREQUENCY OF USE**:

- **Sanitize with a concentration of 0.7-3.8 fl. oz. per 10 gallons of water (93-500 ppm active peroxyacetic acid and 136-733 ppm active hydrogen peroxide).**

**USUALLY VOLUME**:

- **Aerobic oxidation systems**
- **Anaerobic wastewater treatment systems**

**APPLICATION TECHNIQUES**:

- **Equipment, pipelines, tanks, vats, filters, evaporators, pasteurizers, and aseptic equipment, apply a solution of this product using a recommended 0.7-3.8 fl oz. per 10 gallons of water.**

**WASTE DISPOSAL**:

- **Do not discharge effluent containing this product into surface water bodies unless in accordance with the requirements of the National Pollution Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge.**

**DIRECTIONS FOR USE**

- **This product can be used in water or ice that contacts raw or fresh, post-harvest or further processed fruits and vegetables for the control of spoilage and decay causing bacteria and fungi in commercial operations and packhouses.**

**TELEPHONE**

- **503-222-5700**

**WEB SITE**

- **www.shield-brite.com**

**NOTICE TO BUYER**

- **Read the information before using this product.**

**LIMITED WARRANTY**

- **This product is warranted to be free from defects in material and workmanship for a period of one year from the date of shipment.**

**LIMITED LIABILITY, TERMS OF SALE, AND LIMITATION OF LIABILITY**

- **The liability of the Company shall be limited to the return of the purchase price. The Company shall not be liable for any incidental or consequential damages of any kind, including loss of profits or income, and any such claims are hereby waived. To the extent this entire warranty, terms of sale, and limitation of liability, are not permissible under local laws or regulations, the extent of the Company’s liability shall be adjusted to be consistent with local law.**

**PRODUCTS**

- **Shield-Brite® PAA 15.0** is a peracetic acid-based microbicide developed for Equipment Sanitizing, Disinfection and Bacteria, Fungi, Stige and Odor Control in Food and Vegetable Process Water Systems.

**ACTIVE INGREDIENTS:**
- Peroxyacetic Acid: 15.0%
- Hydrogen Peroxide: 22.0%
- Other Ingredients: 63.0%

**Net Contents:** 4.75 Gallons (17.98 Liters)

**Lot #:** 10528

**UN3109, Organic Peroxide type F, liquid (<= 25% Peroctic acid with <= 26% hydrogen peroxide), 5.2 (8)**

**SHIELD-BRITE® PAA 15.0** is a sterilizing and sanitizing product designed for use in food and vegetable processing environments. It is effective against a wide range of pathogens, including Staphylococcus aureus and gram negative organism Escherichia coli. For use in the AOAC Germicidal and Detergent Sanitizing Action Test.
Lot# 15025  

**Antimicrobial Solution**

Shield-Brite® PAA 15.0 is a peroxyacetic acid-based microbicidal developed for Equipment Sanitizing, Disinfection and Bacteria, Fungi, S Lime and Odor Control in Fruit and Vegetable Processing Water Systems.

**ACTIVE INGREDIENTS:**
- Peroxyacetic Acid: 15.0%
- Hydrogen Peroxide: 0.68%
- Inert ingredients: 83.0%

**Net Contents:** 52.79 Gallons (199.81 Liters)

**USE:**
- For use as an antimicrobial solution to reduce the presence of pathogens on equipment and produce. It is effective against pathogenic gram-positive and gram-negative organisms, including Staphylococcus aureus and Escherichia coli. pH 1.5 (minimum)

**PRECAUTIONARY STATEMENTS**

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**DANGER:** CORROSIVE: Do not enter an enclosed area without proper respiratory protection, or when unloading of product transfer hoses. Causes irreversible eye damage and skin burns. May be fatal if inhaled or absorbed through skin. Harmful if swallowed. Do not breathe vapors or spray mist. Do not get in eyes, on skin, or on clothing. Wear goggles, face shield, rubber gloves and protective clothing with long sleeves when handling. Wash thoroughly with soap and water after handling and before eating, smoking, or using bathroom facilities. Remove contaminated clothing and wash before reuse.

**PHYSICAL OR CHEMICAL HAZARDS:**

**STRONG OXIDIZING AGENT: CORROSIVE:** Mix only with water below 140°F. Product must be diluted in accordance with label directions prior to use. This product is not combustible; however, at temperatures exceeding 150°F decomposition occurs releasing oxygen. The oxygen released could initiate combustion.

**ENVIRONMENTAL HAZARDS:**

This pesticide is toxic to fish, birds, aquatic invertebrates. Caution must be used when applying in or near waters because fish may be at risk. Do not discharge effluent containing this product into lakes, streams, ponds, wetlands, oceans or other waters unless in accordance with the requirements of the National Pollution Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product into sewers or storm water systems without notifying the local sewage plant authority.

**DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Note: All volumes given in ounces are fluid ounces.

**SANITIZATION**

This peroxyacetic acid sanitizer is recommended for use on precleaned surfaces such as pipeline, tanks, tubs, filters, evaporators, pasteurizers, and as a static or continuous sanitizing, washing or rinsing of conveyors, slicers, saws, and equipment. This product is effective as a sanitizer when solution is prepared in water of up to 400 ppm hardness as CaCO₃. This product has demonstrated greater than 99.99% reduction of Staphylococcus aureus and Escherichia coli in the AOAC Germicidal and Detergent Sanitizing Action Study (Baranyi, 1995). Apply sanitizer solution to the return portion of the conveyor or equipment using spray or similar means of wetting surfaces, so as to prevent drying. Allow sanitizer to thoroughly wet surface for a minimum of 60 seconds contact time. No rinses are needed.

**Combination Disinfection and Cleaning:** This product is effective against 136 ppm active hydrogen peroxide (55 ppm active peroxyacetic acid and 19 ppm active hydrogen peroxide) in hard water (400 ppm as CaCO₃ and 5% active soil on hard nonscrub surfaces. For visibly soiled areas a pre-cleaning step is required. Apply solution with a mop, cloth, sponge, brush, or by soaking, sprinkling, or spraying so as to wet all surfaces thoroughly. Allow to remain wet for 10 minutes, then remove excess solution and entrapped soil with a clean wet mop, cloth, water vacuum pickup or by draining. Prepare a fresh solution daily or when it becomes soiled or diluted.

**TREATMENT OF FRUIT AND VEGETABLE PROCESS WATERSYSTEMS**

This product can be used in water or ice that contacts raw or fresh, postharvest and further processed fruits and vegetables for the control of spoilage and decay causing bacteria and fungi in commercial operations and packinghouses.

**Batch, Continuous or Spray System Processes:** Fill vessel containing fruits and vegetables with known amount of water. Ensure that water is circulating in vessel as the following submittion step. Add this product to no more than 500 ppm residual peroxyacetic acid to use the solution in accordance with Food Contact Notification #1738, effective March 28, 2017. It can be accomplished by initially adding 3.8 oz. per 10 gallons of water. The recommended concentration is between 30-300 ppm as peroxyacetic acid (0.3-2.8% oz. per 10 gallons of water). If the final concentration necessary to accomplish the intended task will vary from plant to plant. The fruits and vegetables can be continuously sprayed or submerged (dipped) in the resulting solution. Continuous or additional additions of this product to maintain the required concentration may be added as necessary. It is also recommended to apply this product during the washing, chipping, or physical cleaning processes, including the roller-spreaders, washer or brush washer wash, dip tank, or sorting processes. Contact time of 80 seconds is recommended to insure efficacy. A Potable water rinse is not required.

**Fogging:** (Not for use in California) For raw agricultural commodities, commercially-applied fogging methods may be used provided the dust concentration of the resultant solution does not exceed those prescribed in this section (3.8 oz per 10 gal of water). A potable water rinse is not required. Conventional corrosion-resistant fogging systems are recommended. Varies the area of all personnel prior to, during and after fogging until the total peroxide concentration is below 1.0 ppm, or there is no strong odor present, characteristic of acetic acid.

**ENFORCEMENT AND DISPOSAL**

**Programs:** To the extent consistent with applicable law, the exclusive remedy against the Company under this warranty is limited to the repair, replacement, to the extent consistent with applicable law, the Company is given written performance of the covenants, terms and conditions set forth herein. The Company disclaims, any implied warranties of merchantability or fitness for a particular purpose and any other warranties, express or implied, contained in the foregoing sentence, the Company makes no further warranties, and expressly waives and releases all claims for any damages of any kind, including loss of profits or income, and any such claims are hereby waived. To the extent consistent with applicable law, all such risks are assumed by the user.

**LIMITED WARRANTY, TERMS OF SALE, AND LIMITATION OF LIABILITY**

**STORAGE AND DISPOSAL**

Keep container closed at all times when not in use. Keep container out of direct sunlight. To maintain product quality, store at temperatures below 80°F to 90°F. Procedure for Leak or Spill: Stop leak if the cause of the leak is known. Do not inhale vapors or spray mist. Do not enter into confined spaces, or in oxygen breathing environments. Keep combustible and organic materials away from Flushed spilt material with large quantities of water. Untreated material must not enter surface waters.

**PESTICIDE DISPOSAL:** Pesticide wastes are acutely hazardous. Improper disposal of pesticide, spray, rinse, or mixture is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control, or Hazardous Waste representative at the nearest EPA Regional Office for guidance. If material has been spilled, an acceptable method of disposal is to dilute with at least 20 volumes of water followed by discharge into suitable treatment system in accordance with all local, state and Federal environmental laws, rules, regulations, standards, and other requirements. Because acceptable methods of disposal may vary by location, regulatory agencies must be contacted prior to disposal. This product which is to be discarded, must be disposed of by the hazardous waste after consulting the appropriate local or Federal government to determine proper procedures.

**Container-Handling: Piverseptic Container:** Do not reuse or rehandle the container. Piverseptic container properly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or in mix tank and drain for 10 seconds after the flow begins to stop. Fill the container 1/3 full with water and recap. Shake for 10 seconds. Pour the rinse contents into application equipment or in mix tank or rinse areas to use or disposed. Drain for 15 seconds after the flow begins to stop. Repeat this procedure two more times. Then offer for recycling if available or purchase and dispose of it in a sanitary landfill, or by incineration. Do not return, unless allowed by state and local ordinances.

**NOTICE TO BUYER**

Before using this product, purchasers and users agree to the following terms: To the extent consistent with applicable law, all such risks are assumed by the user. To the extent consistent with applicable law, the exclusive remedy against the Company under this warranty is limited to the repair, replacement, to the extent consistent with applicable law, the Company is given written performance of the covenants, terms and conditions set forth herein. The Company disclaims, any implied warranties of merchantability or fitness for a particular purpose. The Company makes no further warranties, and expressly waives and releases all claims for any damages of any kind, including loss of profits or income, and any such claims are hereby waived. To the extent consistent with applicable law, all such risks are assumed by the user. To the extent consistent with applicable law, the exclusive remedy against the Company under this warranty is limited to the repair, replacement, to the extent consistent with applicable law, the Company is given written performance of the covenants, terms and conditions set forth herein. The Company disclaims, any implied warranties of merchantability or fitness for a particular purpose. The Company makes no further warranties, and expressly waives and releases all claims for any damages of any kind, including loss of profits or income, and any such claims are hereby waived. To the extent consistent with applicable law, all such risks are assumed by the user.
Antimicrobial Solution

Shield-Brite® PMA 150 is a peracetic acid-based microbicidc developed for Equipment Sanitizing, Disinfection and Bacteria, Fungi, Slime and Odor Control in Fruit and Vegetable Processing Water Systems.

ACTIVE INGREDIENTS:
- Peracetic Acid: 15.0%
- Hydrogen Peroxide: 22.0%
- Inert Ingredients: 63.0%

PHYSICAL OR CHEMICAL HAZARDS:
- STRONG OXIDIZING AGENT.

APPLICATION:
- For use in Food Contact Surfaces:
  - Sanitize with a concentration of 0.7-3.8 fl. oz. per 10 gallons of water (93-305 ppm active peracetic acid and 136-733 ppm active hydrogen peroxide). Apply sanitizer solution to the return portion of the conveyance, or equipment using spray or similar means of wetting surface, so as to prevent puddling. Allow sanitizer to thoroughly wet surface for a minimum 60 seconds contact time. No rinse is required.

Storage and Disposal:
- Store in a cool dry place, out of the reach of children.
- Keep container closed at all times when not in use.
- Keep out of direct sunlight.
- Use, store, and dispose of this product only as directed in this label.
- To avoid excessive exposure to this product, use in a well-ventilated area.
- Do not use the pump on food products unless it is known that the food is not perishable and will not be consumed for a period of 30 minutes after application.
- This product is ineffective against Gram-positive organisms and fungi.

IMPORTANT:
- Shield-Brite® PMA 150 is not a registered Pesticide.

READ BEFORE USING THIS PRODUCT:
- Shield-Brite® PMA 150 should be used only for the purpose for which it is intended and as directed on the label.
- Persons using this product should be familiar with the label and its instructions.
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