

70299-11

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U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs
Antimicrobials Division (7510P)
1200 Pennsylvania Avenue NW
Washington, D.C. 20460

EPA Reg. Number: 70299-11

Date of Issuance: NOV 15 2007

Term of Issuance:

Conditional

Name of Pesticide Product:

SaniDate® 5.0 Sanitizer

NOTICE OF PESTICIDE:

- x Registration
Reregistration

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Donna Bishel
BioSafe Systems
22 Meadow St.
East Hartford, CT 06108

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA sec 3(c)(7)(a) provided that you:

- 1. Submit and/or cite all data required for registration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for re-registration of your product under FIFRA section 4.
2. Make the labeling changes listed below before you release the product for shipment:
a. Revise the EPA Registration Number to read, "EPA Reg. No. "70299-11".

Signature of Approving Official:

Date:

Marshall Swindell
Product Manager Team-33
Regulatory Management Branch I
Antimicrobials Division (7510P)

Handwritten signature of Marshall Swindell

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- b. On page 3, in the **MOLD AND MILDEW CONTROL** section, after the wording “hard non-porous surfaces”, add the language in parentheses “non-food contact surfaces”. As your product has a food contact sanitizer claim, the Agency is concerned that users will infer that the product can sanitize mold/mildew contaminated surfaces/items.
- c. On page 3, in the **MOLD AND MILDEW CONTROL** section, after the wording refrigerators, add the language in parentheses “exterior”. See letter b above.
- d. On page 3, in the **MOLD AND MILDEW CONTROL** section, delete the word “coolers”. See letter b above.
- e. On page 3, in the **MOLD AND MILDEW CONTROL HARD, NON-POROUS SURFACES** section, add the language in parentheses, “non-food contact surfaces”. See letter b above.
- f. More informative language regarding use directions for remedial treatments is needed in the label. The label implies that professional remedial specialist use this product to treat mold and mildew growth on non-porous areas, however, the language regarding remedial treatment or preventative treatment is vague. Language needs to be incorporated that describes a comprehensive remediation program. As a reference, please see EPA Reg. No. 72304-1 for guidance.
- g. On page 3, in the **REMEDICATION AND RESTORATION SITES** section, after the wording, refrigerators, add the language in parentheses “exterior”. See letter b above.
- h. On page 3, in the **REMEDICATION AND RESTORATION SITES** section, delete the word “coolers”. See letter b above.
- i. On page 5, delete the wording “*Klebsiella pneumoniae*”. Since this product is a me-too, 100% repack of Proxitante® EQ Liquid Sanitizer (EPA Reg No. 68660-4), and this organism was not listed on that label, data would need to be submitted to support this claim.
- j. On page 6, the subsection that is titled “**Un-Cleaned Surfaces**”, needs to be deleted. Data needs to be submitted to support this claim. The submitted data were not conducted in the presence of organic soil. All discussions regarding the use of the product to sanitize food contact surfaces must specify use on pre-cleaned surfaces.
- k. On page 7, the section **SANITIZING NON-FOOD HATCHING EGGS & HATCHERIES** section needs to be deleted. Data needs to be submitted to support this claim. The product was not tested as a sanitizer in the presence of organic soil.
- l. On page 8, the section **SANITIZING PRECLEANED PACKINGHOUSES, FOOD PROCESSING & RENDERING PLANTS** section needs to be deleted. This claim was not supported on the me-too label stated (in letter J) above.
- m. On page 8, the section **SANITIZING FIELD EQUIPMENT** section needs to be deleted. This claim was not supported on the me-too label stated (in letter J) above.

- n. On page 9, in the **DISINFECTION** section, delete the following bacterial organisms: Escherichia coli, Salmonella enteritidis, Salmonella typhimurium, Proteus vulgaris, Streptococcus agalactiae, Streptococcus dysgalactiae, Streptococcus uberis, Streptococcus pyogenes, Enterobacter aerogenes, Listeria monocytogenes, Klebsiella pneumoniae, Bacteroides (Prevotella) melaninogenica, and Fusobacterium necrophorum. Submitted data did not support these uses.
- o. On page 9, in the **DISINFECTION** section, delete the following fungicidal organisms: Aspergillus fumigatus, Aspergillus versicolor, Byssosclamyces nivea, and Saccharomyces cerevisiae. Submitted data did not support these claims.
- p. On page 10, in the **DISINFECTING HOSPITALS, DENTAL OFFICES, NURSING HOMES, AND OTHER HEALTH CARE INSTITUTIONS** section, delete the listed bacterial organisms (As listed above in letter O).
- q. On page 10, in the **DISINFECTING PHARMACEUTICAL AND COSMETIC SURFACES** section, delete the following statement: "For heavily soiled or surfaces that have not been pre-cleaned, use a rate of 1 fl. oz. per gallon. Rinse all surfaces thoroughly with the disinfecting solution and maintain a contact time of at least ten (10) minutes. Product contact surfaces must be rinsed with sterile water". Data were not provided to support this claim.
- r. On page 11, in the **FIELD EQUIPMENT DISINFECTION** section, delete the listed bacterial and fungicidal organisms (As listed above in letter's O and P).
- s. On page 14, in the **COMMERCIAL FLORIST USE DIRECTIONS** section, delete the wording "one-step". The submitted data were not conducted in the presence of organic soil.
- t. On page 15, in the **PACKINGHOUSE, FOOD PROCESSING AND RENDERING PLANT DISINFECTION** section, delete the listed bacterial and fungicidal organisms (As listed above in letter's O and P).
- u. On page 15, in the **PACKINGHOUSE, FOOD PROCESSING AND RENDERING PLANT DISINFECTION** section, the statement that begins "For Uncleaned Surfaces..." needs to be deleted. Data were not provided to support this claim (see letter K above).
- v. On page 18, delete the **DEODORIZING DRAINS** section. Although the claim is targeted towards odor causing organisms, users could potentially infer the product can be used to treat bacteria in drains. The Agency is concerned that the product is not effective in the treatment of drains because of accumulating bio-film that may be present when applied. Moreover, no efficacy data has been submitted to support this claim. As a result, targeted pest may not be affected, and hence, the product may not be efficacious to support the use.
- w. On page 20, in the 4th bullet, delete the entire statement: "SaniDate 5.0 Sanitizer controls the growth of odor-causing and slime forming bacteria and mold that attract flies."
- x. On page 20, in the 6th bullet, delete the word "coolers" See letter B above.

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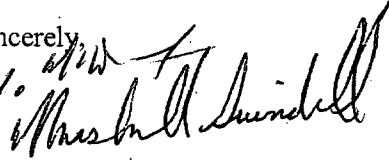
EPA Reg. No. 70299-11

- y. On page 20, delete the following language: SaniDate 5.0 Sanitizer is recommended for use as a Hatching Egg sanitizer, with best results achieved in water temperature ranging from 78° to 110° F. Data was not submitted to support this claim (see letter K)

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records. Submit one (1) copy of your final printed labeling prior to release of this product for shipment. If you have any questions concerning this letter, please contact Demson Fuller at (703) 308-8062.

Sincerely,

cl. MSW


Marshall Swindell
Product Manager Team-33
Regulatory Management Branch I
Antimicrobials Division (7510P)

Enclosure: (Stamped Label)

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SaniDate® 5.0 Sanitizer

(Alternate Brand Names: SaniDate 5.0 Sanitizer/Disinfectant)

For the sanitization and disinfection of hard, non-porous surfaces.
For use in commercial, agricultural and horticultural water treatment applications.
For the treatment of water for industrial and commercial water treatment systems.

FOR COMMERCIAL USE ONLY

ACTIVE INGREDIENT:

Hydrogen Peroxide 23.0%

Peroxyacetic Acid..... 5.3%

INERT INGREDIENTS:..... 71.7%

TOTAL:..... 100.0%

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in EPA Letter Dated
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Fungicide, and Rodenticide Act as
amended, for the pesticide,
registered under EPA Reg. No
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DANGER - PELIGRO
STRONG OXIDIZING AGENT
KEEP OUT OF REACH OF CHILDREN

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.

(If you do not understand this label, find someone to explain it to you in detail.)

FIRST AID	
If in eyes	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15 – 20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
If on skin or clothing	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15 – 20 minutes. • Call a poison control center or doctor for treatment advice.
If swallowed	<ul style="list-style-type: none"> • Call poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by the poison control center. • Do not give anything by mouth to an unconscious person.
If inhaled	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. • Call poison control center or doctor for treatment advice.
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-222-1222 for emergency medical treatment information.	
NOTE TO PHYSICIAN	
Probable mucosal damage may contraindicate the use of gastric lavage.	

MASTER LABEL

SaniDate 5.0 Sanitizer

- Label version (4) dated September 20, 2007

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Under the Federal Insecticide,
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registered under EPA Reg. No. 70299-11

Sold by: BioSafe Systems, 22 Meadow St, East Hartford, CT 06108
EPA Registration No.: 70299 - RR
EPA Establishment No.: 60156-IL-001
Net Contents:

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMAN AND DOMESTIC ANIMALS**

DANGER: CORROSIVE. Causes irreversible eye damage. Causes skin burns. Do not get in eyes, on skin, or clothing. May be fatal if swallowed or inhaled. Do not breathe vapor or spray mist. Wear a respirator with an organic vapor removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approved prefix TC-23C), or a canister approved for pesticides (MSHA/NIOSH approval prefix TC-14G), or a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with any N,R,P, or HE prefilter. Consult the MSDS for information about respirators and cartridges that have been tested and shown to be effective in removing hydrogen peroxide and peracetic acid from air. Wear chemical goggles, rubber gloves, and protective clothing when handling this product. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco. Remove contaminated clothing and wash before reuse.

PHYSICAL AND CHEMICAL HAZARDS

Corrosive. Strong oxidizing agent. Do not use in concentrated form. Mix only with water in accordance with label instructions. Never bring concentrate in contact with other pesticides, cleaners or oxidative agents.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the state or tribal agency responsible for pesticide regulation.

SaniDate 5.0 Sanitizer works best when diluted with water containing minimal levels of organic or inorganic materials, and with water having a neutral pH. Thoroughly rinse out tank with water before mixing concentrate. This product will readily mix with clean, neutral water and does not require agitation.

SaniDate 5.0 Sanitizer concentrate should not be combined or mixed with any other pesticide concentrates.

(Note for reviewer: For labels that list medical premises and metal and/or stainless steel surfaces, one of the following statements must be used:)

This product is not to be used as a terminal sterilant/high level disinfectant on any surface or instrument that (1) is introduced directly into the human body, either into or in contact with the bloodstream or normally sterile areas of the body, or (2) contacts intact mucous membranes but which does not ordinarily penetrate the blood barrier or otherwise enter normally sterile areas of the body. This product may be used to pre-clean or decontaminate critical or semi-critical medical devices prior to sterilization or high-level disinfection.

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Or

This product is not for use on Medical device surfaces.

Before use in federally inspected meat and poultry food processing plants and dairies, food products and packaging materials must be removed from room or carefully protected. A potable water rinse is not allowed (Do not rinse) following use of the product as a sanitizer on previously cleaned hard surfaces provided that the surfaces are adequately drained before contact with food so that little or no residue remains.

MOLD AND MILDEW CONTROL

SaniDate 5.0 Sanitizer may be used to effectively inhibit the growth of mold and mildew and odors caused by them at a rate of 0.5 fl. oz. in 1 gallon of water in general commercial environments such as:

- Schools, colleges, industrial facilities, dietary areas, office buildings, recreational facilities, retail and wholesale establishments.
- Animal hospitals, veterinary clinics, animal life science laboratories, farms, kennels, kennel runs, catteries, cages, feeding and watering equipment, pet shops, zoos, pet animal quarters, poultry premises, trucks, hatcheries, live stock quarters, stables, stalls, and pens.
- Packinghouses, food processing and rendering plants
- Healthcare facilities
- Commercial floral shops
- Hairdressing salons/barber shops
- Pharmaceutical/cosmetic facilities

SaniDate 5.0 Sanitizer effectively inhibits the growth of mold and mildew and odors caused by them when applied to hard non-porous surfaces such as floors, walkways, walls, tables, chairs, benches, countertops, cabinets, bathroom fixtures, sinks, shelves, racks, crates, carts, trailers, vehicles, conveyors, refrigerators, ~~cookers~~ fan blades, drains, piping, commercial, municipal, and process water transfer and handling systems, filter housings, vats, tanks, pumps, valves and systems.

(non food)

(sterilize)

(non food)

MOLD AND MILDEW CONTROL ON HARD, NON-POROUS SURFACES

Use a rate of 0.5 fl. oz. per gallon for hard, non-porous surfaces that are lightly soiled or have been pre-rinsed to remove gross contamination. For heavily soiled hard non-porous surfaces use a rate of 1 fl. oz per 1 gallon of water. Apply solution with mop, cloth, sponge, brush, scrubber, or coarse spray device or by soaking so as to wet all surfaces thoroughly. Allow surface to remain wet for 10 minutes then remove solution and entrapped soil with a clean wet mop, cloth, or wet vacuum pickup. Prepare a fresh solution daily or when it becomes soiled or diluted. Repeat treatment every seven days, or more often if new growth appears.

REMEDICATION AND RESTORATION SITES

SaniDate 5.0 Sanitizer is recommended for use on hard, non-porous, environmental surfaces such as walls and other hard, nonporous surfaces such as floors, walls, tables, chairs, countertops, garbage bins/cans, bathroom fixtures, sinks, bed frames, shelves, racks, carts, refrigerators, ~~cookers~~, glazed tile, and use sites listed on this label made of linoleum, vinyl, glazed porcelain, plastic polyethylene, stainless steel, or glass.

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(sterilize)

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amended, for its Pesticide
Permit treatment EPA Reg. No.
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Preventative Treatment – To inhibit surface mold and mildew growth on hard, non-porous surfaces in new or renovated building construction, mix SaniDate 5.0 Sanitizer at a rate of 0.5 fl. oz. in 1 gallon of water and apply evenly by paintbrush, low pressure hand wand, or backpack sprayer. Assure uniform coverage of surfaces to be protected. Surfaces should be evenly wet without runoff or pooling. Surfaces to be thoroughly dry before painting or affixing overlayment materials such as siding, wallboard or flooring. Repeat the application of this product as necessary if mold growth appears, following directions provided below for remedial treatment. Normally, infrequent application will provide effective control. If regrowth occurs, investigate to determine the causes and correct the problem prior to reapplication of SaniDate 5.0 Sanitizer. Mold may recur in conditions of persistently high humidity, standing water, or hidden water leaks.

Remedial treatment – SaniDate 5.0 Sanitizer must be used as part of a comprehensive mold remediation or water damage restoration program, including:

- Periodic monitoring and inspection of conditions favorable to mold growth such as moisture ingress and high relative humidity
- Effective repairs as necessary to eliminate conditions favorable to mold growth
- Drying of affected areas to below 20% moisture content

Mix SaniDate 5.0 Sanitizer at a rate of 0.5 fl. oz. in 1 gallon of water and apply evenly by paintbrush, airless sprayer, low-pressure hand wand, or backpack sprayer. Assure uniform coverage of surfaces to be protected. Surfaces should be evenly wet without runoff or pooling. Permit treated surfaces to be thoroughly dry before painting or affixing overlayment materials such as siding, wallboard or flooring.

Prior to applying SaniDate 5.0 Sanitizer, clean the affected area using one of the following or another preferred method:

- Method 1: Wet vacuum
- Method 2: Damp-wipe surfaces with plain water, scrub as needed.
- Method 3: High-efficiency particulate air (HEPA) vacuum after the material has been thoroughly dried. Dispose of the contents of the HEPA vacuum in well-sealed plastic bags.

Minimum protective equipment to be worn during cleanup includes gloves, N-95 respirator, and goggles, eye protection. Use professional judgment to determine prudent levels of Personal Protective Equipment and containment for each situation, particularly as the remediation site size increases and the potential for exposure and health effects rises.

SANITIZATION

SaniDate 5.0 Sanitizer is for use in circulation cleaning and institutional/industrial sanitizing of pre-cleaned, hard, non-porous food contact surfaces and equipment such as tanks, pipelines, beverage dispensing equipment, evaporators, filters, pasteurizers, and aseptic systems.

The main areas of use include:

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- Dairies, wineries, breweries, and beverage plants
- Meat and meat products processing, packing, and rendering plants
- Milk and dairy processing/packing plants
- Egg processing/packing plants
- Seafood and poultry processing/packing plants
- Fruit and vegetable processing/packing plants
- Eating establishments
- Animal hospitals, laboratories, and housing facilities
- Schools, colleges, office buildings, industrial facilities
- Farms, farm equipment and harvesting equipment
- Hairdressing salons/barber shops

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SaniDate 5.0 Sanitizer is an effective inanimate, hard surface sanitizer against fungus, mold, and bacteria such as *Escherichia coli*, *Staphylococcus aureus*, and ~~*Klebsiella*~~. Use as a sanitizer on hard, non-porous surfaces such as floors, walkways, walls, tables, chairs, benches, countertops, cabinets, bathroom fixtures, sinks, shelves, racks, crates, carts, trailers, vehicles, conveyors, refrigerators, coolers, fan blades, drains, piping, commercial, municipal, and process water transfer and handling systems, filter housings, vats, tanks, pumps, valves and systems.

SaniDate 5.0 Sanitizer is an effective sanitizer for hard, non-porous personal equipment such as boots, gloves, hard hats, raingear, tools and equipment including but not exclusive to buckets, pails, scrapers, squeegees, brooms, mops, shovels, rakes, hooks, wrenches, and screwdrivers.

SaniDate 5.0 Sanitizer is effective on the use sites listed which are manufactured from the following materials; linoleum, formica, vinyl, glazed porcelain, plastic, sealed fiberglass, polyethylene, CPVC, PVC, nylon, aluminum, steel, stainless steel, sealed wood, glazed tile, and glass.

SANITIZING PRE-CLEANED HARD NON-POROUS FOOD CONTACT SURFACES:

- Tanks, vats, piping systems, pumps, filters, evaporators, clean-in-place systems, pasteurizers and aseptic equipment used in dairies, breweries, wineries, beverage and food processing plants.
- Conveyors, boxing or packing equipment, peelers, corers, de-boners, scrapers, collators, slices, dicers, knives, saws, cutting boards, tabletops, trays, pans, racks, platters, and cans.

Clean equipment such as tanks immediately after use:

1. Remove all products from equipment unless treating only the return portion of a conveyor.
2. Remove gross food particulate matter and soil by a warm water flush, or pre-flush, or a pre-scrape and, when necessary, pre-soak treatment.
3. Thoroughly wash surfaces or equipment with a good detergent or compatible cleaning solution. Rinse equipment with potable water.
4. Add 1.6 to 1.7 liquid ounces SaniDate 5.0 Sanitizer to 5 gallons of potable water, and apply by wiping, mopping, or coarse spray, or by adding to closed system.
5. If applicable, fill closed systems with diluted sanitizer solution at a temperature of 5°C (41°F) to 40°C (104°F) and a

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6. Allow a contact time of one (1) minute.
7. Allow items and/or surfaces to drain thoroughly before returning to use. No potable water rinse is required.

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SANITIZING GENERAL ENVIRONMENTAL SURFACES (NON-FOOD CONTACT) such as:

- Floors, walls, and other non-porous surfaces such as tables, chairs, counter tops, garbage cans/bins, bathroom fixtures, sinks, bed frames, shelves, racks, carts, refrigerators, coolers, glazed tiles, and other use sites listed on this label made of linoleum, vinyl, glazed porcelain, plastic (such as polyethylene), stainless steel, or glass.
- Packinghouses, food processing, fresh cut, food distribution and storage, beverage processing facilities, grocery food retail and wholesale stores, milking parlors, dairy production and transfer facilities and equipment.
- Schools, colleges, industrial facilities, dietary areas, office buildings, recreational facilities, retail and wholesale establishments.
- Animal hospitals, veterinary clinics, animal life science laboratories, catteries, kennels, kennel runs, cages, feeding and watering equipment, pet shops, zoos, pet animal quarters, poultry premises, trucks, hatcheries, and livestock quarters and pens.

Pre-Cleaned Surfaces:

1. Remove gross filth with a cleaner or other suitable detergent.
2. Add 1.6 to 1.7 liquid ounces SaniDate 5.0 Sanitizer to 5 gallons of potable water. Soak items in/with diluted solution using mop/wipe, coarse spray or flood techniques and
3. Allow contact for at least ¹(5) five minutes.
4. Allow items and/or surfaces to air dry. No potable water rinse is required.

Un-Cleaned Surfaces:

1. Prepare SaniDate 5.0 Sanitizer solution by adding 0.5 to 2.5 fl. oz. to 5 gallons of potable water.
2. Remove gross filth from surfaces to be sanitized by cleaning and disinfecting with the solution by wiping, mopping, or by coarse spray.
3. Allow to remain wet for (5) five minutes; then remove solution and entrapped soil with a clean wet mop, cloth or wet vacuum pickup.
4. Apply SaniDate 5.0 Sanitizer as a sanitizing solution to cleaned surface.
5. Prepare a fresh solution daily or when it becomes soiled or diluted.
6. Allow items and/or surfaces to drain adequately or air dry. No potable water rinse is required.

SANITIZING OF EATING ESTABLISHMENT EQUIPMENT such as plates, utensils, cups, glasses.

1. Scrape/pre-wash plates, utensils, cups, glasses, etc. whenever possible.
2. Wash all items with a detergent
3. Rinse thoroughly with potable water.
4. Add 1.6 to 1.7 liquid ounces SaniDate 5.0 Sanitizer to 5 gallons of potable water. Immerse all items for at least 1 minute or for a contact time as specified by a local governing sanitizing code.

5. Place all sanitizing items on a rack or drain board to air dry. No potable water rinse is required.

SANITIZING OF TABLEWARE IN LOW TO AMBIENT TEMPERATURE WARE WASHING MACHINES

1. Prepare solution by adding 1.6 to 1.7 liquid ounces SaniDate 5.0 Sanitizer to 5 gallons of potable water.
2. Inject solution into final rinse water. Solution must contact tableware for a minimum of 1 minute.
3. Place all sanitizing items on a rack or drain board to air dry. No potable water rinse is required.

FINAL SANITIZING BOTTLE RINSE for plastic, glass, or metal returnable and non-returnable bottles/cans.

1. Wash bottles with detergent or cleaning solution and rinse with potable water.
2. Prepare solution by adding 1.6 to 1.7 liquid ounces SaniDate 5.0 Sanitizer to 5 gallons of potable water.
3. Rinse bottles/cans with the diluted solution for a minimum of 1 minute.
4. Place all bottles/cans on a rack or drain board to air dry. No potable water rinse is required.

SANITIZING CONVEYORS FOR MEAT, POULTRY, SEAFOOD, FRUITS, AND VEGETABLES

1. Remove all products from equipment.
2. Prepare solution by adding 1.6 to 1.7 SaniDate 5.0 Sanitizer liquid ounces to 5 gallons of potable water.
3. Apply sanitizer solution to the return portion of the conveyor or to the equipment using a coarse spray or other means of wetting the surfaces for a minimum of 60 seconds contact time. Control the volume of solution so as to permit maximum drainage and to prevent puddles.
4. Allow equipment to drain dry before using. No potable water rinse is required.

SANITIZING NON-FOOD HATCHING EGGS & HATCHERIES

~~To Spray Eggs: Prepare a solution by diluting 1.6 fl. oz. of SaniDate 5.0 Sanitizer to 5 gallons of potable water. As eggs are gathered, or prior to setting, apply solution as a coarse spray so as to lightly wet all shell surfaces.~~

~~Fogging of Hatchery Rooms: Prior to fogging, remove all animals and feed from premises, vehicles, and enclosures; remove all litter and manure from floors, walls, and surfaces of the room to be treated; empty all troughs, racks, and other feeding and watering appliances.~~

- ~~1. Thoroughly clean all surfaces with soap or detergent and rinse with water.~~
- ~~2. Close room off so fog is confined to room to be treated. Vacate all personnel from the room during fogging and for a minimum of 1 hour after fogging to ensure there is no strong odor, which is characteristic of acetic acid.~~
- ~~3. Prepare a solution by diluting 0.5 fl. oz. of SaniDate 5.0 Sanitizer to one gallon of potable water.~~
- ~~4. Insert the nozzle of the fogger through a suitable opening into the room, and with the setting in maximum output fog for one minute for each 4,000 cubic feet of space.~~

~~in EPA Letter Dated:~~

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Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide, registered under EPA Reg. No

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5. When fogging is complete, ventilate treated area, and other closed areas of the building. Do not house livestock or employ personnel or equipment until the solution has dried.

Fogging Incubators & Hatchers:

1. Prepare a solution diluting 0.2 fl. oz. of SaniDate 5.0 Sanitizer to one gallon of potable water.
2. Fog in to setters and hatchers immediately after transfer.
3. Repeat daily in setters and every 12 hours in hatchers.
4. Discontinue hatchery treatments at least 24 hours prior to pulling the hatch.

SANITIZING PRECLEANED PACKINGHOUSES, FOOD PROCESSING & RENDERING PLANTS

Apply SaniDate 5.0 Sanitizer to all hard non-porous surfaces and equipment found in commercial packinghouses including dump tanks, drenches, crates, containers, conveyors, storage walls, floors and process lines.

Spray Applications:

1. Remove loose soil or organic matter with clean water and/or detergent rinse.
2. Use SaniDate 5.0 Sanitizer at a dilution ratio of 1:400 to 1:375 or 32 fl. oz. to 34 fl. oz. of concentrate per 100 gallons of water. Apply as a coarse spray until runoff.
3. Allow solution to contact surface for at least five (5) minutes.
4. Allow treated surfaces to air dry. Do not rinse.

Foaming Applications: Apply SaniDate 5.0 Sanitizer as a foam treatment to enhance contact on hard non-porous surfaces, vertical surfaces and irregular surfaces such as metal grating and structural steel where contact is difficult to maintain with coarse spray treatments. Add a foaming agent to the spray tank that contains the diluted SaniDate 5.0 Sanitizer solution. Apply foam until the surface treated is completely covered. Allow foam treated surface to air dry. Do not rinse.

Fogging Applications: Use SaniDate 5.0 Sanitizer for sanitizing hard non-porous surfaces, as an adjunct to acceptable manual cleaning and disinfecting of room surfaces.

1. Prior to fogging, remove or carefully protect all food products and packaging materials.
2. Ensure room is properly ventilated. Vacate all personnel from the room during fogging and for a minimum of 1 hour after fogging to ensure there is no strong odor, which is characteristic of acetic acid, before having personnel return to work area.
3. Fog areas using 1 quart per 1,000 cu. ft. of room area with a .30% solution of SaniDate 5.0 Sanitizer (10 fl. oz. per 40 gallons of water).
4. Allow surfaces to drain thoroughly before operations are resumed.

SANITIZING FIELD EQUIPMENT

SaniDate 5.0 Sanitizer can be used to sanitize hard non-porous harvest equipment such as pickers, harvesters, trailers, trucks (including truck body parts and tires), bins, packing crates, ladders, power tools, hand tools, gloves, rubber boots, or pruning shears.

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1. Before sanitization, move the field equipment into an area with an impervious surface and with controlled drainage. Ensure that the sanitization solution will be released into the environment.
2. Remove gross contamination with a cleaner or other suitable detergent and rinse with water.
3. Use SaniDate 5.0 Sanitizer at a dilution of 0.52 fl. oz. per gallon of water as a general coarse spray.
4. Allow solution to contact surface for at least five (5) minutes.
5. Allow to air dry. Do not rinse.

DISINFECTION

SaniDate 5.0 Sanitizer may be used as a disinfectant at a rate of 0.5 fl. oz. in 1 gallon of water in general commercial environments such as:

- Schools, colleges, industrial facilities, dietary areas, office buildings, recreational facilities, retail and wholesale establishments.
- Animal hospitals, veterinary clinics, animal life science laboratories, kennels, kennel runs, catteries, cages, feeding and watering equipment, pet shops, zoos, pet animal quarters, poultry premises, trucks, hatcheries, ~~live stock~~ quarters, stables, stalls, and pens.
- Packinghouses, food processing and rendering plants
- Farms, farm equipment and harvesting equipment
- Healthcare facilities
- Commercial floral shops
- Hairdressing salons/barber shops
- Pharmaceutical/cosmetic facilities

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SaniDate 5.0 Sanitizer disinfects as it cleans in one operation. It is effective against gram positive and negative bacteria (vegetative forms) such as *Xanthomonas axonopodis*, *Staphylococcus aureus*, *Pseudomonas aeruginosa*, *Escherichia coli*, *Salmonella enterica*, ~~*Salmonella enteritidis*, *Salmonella typhimurium*, *Salmonella*~~, ~~*Staphylococcus aureus*, *Staphylococcus epidermidis*, *Staphylococcus saprophyticus*~~, ~~*Streptococcus*~~, *Pediococcus damnosus*, *Lactobacillus malefermentans*, ~~*Enterobacteriaceae*~~, and ~~*Enterobacteriaceae*~~, and can be used to clean, disinfect, and deodorize floors, walls and other hard, nonporous surfaces such as tables, chairs, countertops, garbage bins/cans, bathroom fixtures, sinks, bed frames, shelves, racks, carts, refrigerators, coolers, glazed tile, and use sites listed on this label made of linoleum, vinyl, glazed porcelain, plastic polyethylene, stainless steel, or glass.

When applied at recommended disinfectant rates, SaniDate 5.0 Sanitizer is also effective as a fungicide against *Trichophyton mentagrophytes*, ~~*Aspergillus fumigatus*~~, ~~*Aspergillus versicolor*~~, ~~*Aspergillus*~~, and ~~*Aspergillus*~~.

CLEANING OF SURFACES IN PREPARATION FOR DISINFECTION

Prepare SaniDate 5.0 Sanitizer disinfecting solution by adding 1 fl. oz. of the product to 1 gallon of potable water. Remove gross filth from surfaces to be disinfected by cleaning

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with SaniDate 5.0 Sanitizer solution by wiping, mopping, or as a coarse spray. Applications involving treatment of food contact surfaces require a sterile or potable water rinse following disinfection.

COMBINATION DISINFECTION AND CLEANING

Use a rate of 0.5 fl. oz. per gallon for hard, non-porous surfaces that are lightly soiled or have been pre-rinsed to remove gross contamination. For heavily soiled hard non-porous surfaces use a rate of 1 fl. oz per 1 gallon of water. Apply solution with mop, cloth, sponge, brush, scrubber, or coarse spray device or by soaking so as to wet all surfaces thoroughly. Allow surface to remain wet for ten (10) minutes then remove solution and entrapped soil with a clean wet mop, cloth, or wet vacuum pickup. Prepare a fresh solution daily or when it becomes soiled or diluted.

For treating sewer backups and for flooding remediation, prepare disinfecting solution of SaniDate 5.0 Sanitizer by adding 1 fl. oz. of the product to 1 gallon of potable water. Remove gross filth from surfaces by cleaning with SaniDate 5.0 Sanitizer solution by wiping, mopping, or as a coarse spray. Applications involving treatment of food contact surfaces, require a sterile or potable water rinse following cleaning.

DISINFECTING HOSPITALS, DENTAL OFFICES, NURSING HOMES, AND OTHER HEALTH CARE INSTITUTIONS

For disinfecting hard, non-porous surfaces such as floors, walls, countertops, bathing areas, lavatories, bed frames, tables, chairs, and garbage pails.

Add 2.5 - 5 fl. oz. of SaniDate 5.0 Sanitizer to 5 gallons of water. Treated surfaces must remain wet for ten (10) minutes. At this dilution, SaniDate 5.0 Sanitizer is an effective bactericide against: *Staphylococcus aureus*, *Pseudomonas aeruginosa*, *Salmonella enterica*, *Streptococcus aureus*, *Streptococcus pneumoniae*, *Streptococcus pyogenes*, *Pediococcus damnosus*, *Lactobacillus malefermentans*, and *Enterobacteriaceae*.

DISINFECTING PHARMACEUTICAL AND COSMETIC SURFACES

SaniDate 5.0 Sanitizer is recommended for use on hard, non-porous, environmental surfaces such as floors, walls and processing equipment in pharmaceutical and cosmetic processing facilities. This product is effective at 0.5 fl. oz. per 1 gallon of water for pre-washed or lightly soiled surfaces to disinfect. Rinse all surfaces thoroughly with sterile or potable water.

DISINFECTING HAIRDRESSING SALON/BARBER SHOP INSTRUMENTS AND TOOLS

Immerse pre-cleaned barber/salon tools (combs, brushes, razors, manicure/pedicure tools, clippers, scissors, trimmer blades) in a solution of SaniDate 5.0 Sanitizer/Disinfectant at a dilution of 1:256 or 0.5 fl. oz. per gallon of water, for at least ten (10) minutes. Rinse instruments thoroughly and dry before reuse. A fresh use-solution should be prepared daily or more often if the use solution becomes cloudy or soiled. Note: Plastics may remain immersed until ready to use. Stainless steel shears

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and instruments must be removed after 10 minutes, rinsed, dried and kept in a clean non-contaminated receptacle. Prolonged immersion may cause damage to stainless steel or metal instruments.

FIELD EQUIPMENT DISINFECTION

SaniDate 5.0 Sanitizer may be used to disinfect harvest equipment such as pickers, harvesters, trailers, trucks (including truck body parts and tires), bins, packing crates, ladders, power tools, hand tools, gloves, rubber boots, pruning shears or other equipment that may transfer *Xanthomonas axonopodis* (citrus canker surrogate). This product can also be used to disinfect surfaces contaminated with *Staphylococcus aureus*, *Pseudomonas aeruginosa*, ~~.....~~, *Salmonella enterica*, ~~.....~~, ~~.....~~, *Pediococcus damnosus*, *Lactobacillus malefermentans*, ~~.....~~, ~~.....~~, ~~.....~~, ~~.....~~, ~~.....~~. When applied at recommended disinfectant rates, SaniDate 5.0 Sanitizer is also effective as a fungicide against *Trichophyton mentagrophytes*, ~~.....~~, ~~.....~~, ~~.....~~, ~~.....~~, and ~~.....~~.

1. Before disinfection, move the field equipment into an area with an impervious surface and with controlled drainage. Ensure that no disinfection solution will be released into the environment.
2. Remove gross contamination with a cleaner or other suitable detergent and rinse with water.
3. For *Xanthomonas axonopodis*, use SaniDate 5.0 Sanitizer at a dilution rate of 1:1,000 or 0.65 fl. oz per 5 gallons of water, as a general coarse spray. For bacteria such as *P. aeruginosa*, *S. cholerae*, and *S. aureus*, use SaniDate 5.0 Sanitizer at a dilution rate of 1:256 (0.5 fl. oz/gal) as a general coarse spray.
4. Allow solution to contact surface for ten (10) minutes.
5. Allow to air dry, do not rinse.

ANIMAL HEALTH

SaniDate 5.0 Sanitizer is designed for use in animal hospitals, animal laboratories, kennels, pet shops, zoos, pet animal quarters, poultry premises, poultry hatcheries, livestock and dairy quarters. When used as directed, it is specifically designed to disinfect, deodorize and clean inanimate, hard, non-porous surfaces such as walls, floors, sink tops, furniture, operation tables, kennel runs, cages and feeding and watering equipment. In addition it will disinfect bins and cans, and any other hard, non-porous areas that are prone to odors caused by microorganisms.

All treated equipment that will contact feed or drinking water must be rinsed with potable water before reuse.

For heavily soiled areas, a pre-cleaning step is required. Prepare a fresh solution for each use.

Disinfection of Poultry Premises, Trucks, Coops, and Crates

1. Remove all poultry and feeds from premises, trucks, coops and crates.
2. Remove all litter and droppings from floors, walls and surfaces of facilities occupied or traversed by ~~.....~~

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3. Empty all troughs, racks and other feeding and watering appliances.
4. Thoroughly clean all surfaces with soap or detergent and rinse with water.
5. Saturate all surfaces with a solution of 0.5 fl. oz. per 1 gallon of water for a period of ten (10) minutes.
6. Immerse all types of equipment used in handling and restraining poultry, as well as forks, shovels and scrapers used for removing litter and manure.
7. Ventilate buildings, coops and other closed spaces. Do not house poultry or employ equipment until treatment has been absorbed, set or dried.
8. Thoroughly scrub all treated feed racks, mangers, troughs, automatic feeders, fountains and waterers with soap or detergent, and rinse with potable water before reuse.

Poultry Hatchery Disinfection

1. Clean out any remaining eggs and chicks. Remove all poultry and feeds from premises, trucks, coops and crates
2. Remove gross soils, such as litter, droppings, down shell fragments or other hatching related debris from floors, walls and surfaces of facilities occupied or traversed by poultry.
3. Empty all troughs, racks and other feeding and watering appliances and equipment.
4. Thoroughly clean all surfaces with soap or detergent and rinse thoroughly with water.
5. Saturate all surfaces with a solution of 0.5 fl. oz. per 1 gallon of water for period of ten (10) minutes.
6. Ventilate buildings, coops, and other closed spaces. Allow to dry before reintroducing eggs or poultry.
7. Thoroughly scrub all treated feed racks, mangers, troughs, automatic feeders, fountains and waterers with soap or detergent, and rinse with potable water before reuse.

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Disinfection and Deodorizing of Animal Housing Facilities (Barns, Kennels, Hutches)

1. Remove all animals and feed from premises, vehicles and enclosures.
2. Remove all litter and manure from floors, walls and surfaces of barns, pens, stalls, chutes, and other facilities occupied or traversed by animals.
3. Empty all troughs, racks and other feeding and watering appliances.
4. Thoroughly clean all surfaces with soap or detergent and rinse with water.
5. Saturate all surfaces with a solution of 0.5 fl. oz. per 1 gallon of water for a period of ten (10) minutes.
6. Immerse all halters, ropes, and other types of equipment used in handling and restraining animals, as well as forks, shovels and scrapers used for removing litter and manure.
7. Ventilate buildings, cars, boats and other closed spaces. Do not house livestock or employ equipment until treatment has been absorbed, set or dried.
8. Thoroughly scrub all treated feed racks, mangers, troughs, automatic feeders, fountains and waterers with soap or detergent, and rinse with potable water before reuse.

Terrarium and Small Animal Cage and Cage Furniture Disinfection

1. Remove all animals and feed from enclosure to be cleaned.

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2. Thoroughly clean all surfaces and objects (hot rocks, caves, cage furniture, feeding and watering dishes, and appliances) including the substrate in the terrarium or cage with soap or detergent and rinse with water.
3. Saturate all surfaces (floors, walls, cages and other washable hard, non-porous environmental surfaces) with a solution of 0.5 fl. oz. per 1 gallon of water for a period of ten (10) minutes. For smaller surfaces, use a trigger spray bottle to spray all surfaces with solution until wet. Then wipe surfaces dry.
4. Saturate gravel as above and let stand for 10 minutes. Place in bucket of clean water and swirl for 15-30 seconds. Thoroughly air dry before returning to terrarium.
5. Thoroughly scrub all treated surfaces with soap or detergent and rinse with potable water before reuse.
6. Do not return animals to the habitat until it is dry and ventilated.
7. Clean terrarium at least once weekly or more as needed.

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Note: Substrates for desert terrariums (i.e. gravel) must be completely dry before returning to terrarium to avoid high humidity levels. Always replace substrate if a foul odor persists.

Foot Bath Mats, Pads, Walk Through Trays

Place foot bath mats, pads or trays at the entrances of all rooms and buildings to prevent cross contamination from area to area in animal containment areas, livestock and dairy quarters, and poultry premises.

1. Prior to use of this product, rinse or brush footwear surfaces to remove gross filth.
2. Make a solution using 0.5 – 1.0 fl. oz. of SaniDate 5.0 Sanitizer per gallon of water and add to foot bath mat, pad or tray, filling to capacity.
3. Place boots and shoes in the foot bath mat, pad or tray containing the recommended solution of SaniDate 5.0 Sanitizer. Allow surface to remain wet for ten (10) minutes prior to entering next area. Change solution daily or as needed.

For Foaming applications, add 2 - 4 fl. oz. per gallon of water mixed with foaming solution. Follow foaming directions as specified by the manufacturer of the foam generator/aerator.

DISINFECTION OF WATER FILTER MEDIA, MEMBRANES AND RELATED COMPONENTS AND SYSTEMS

SaniDate 5.0 Sanitizer is an effective disinfectant used for the reduction and removal of bio-organisms on the surfaces of the filter and membrane media, media housings, and related devices and equipment. It may be used for filter media or related system components or in Clean in Place (CIP) systems.

Disinfection and/or treatment of filter media and membrane in potable water systems should be performed when system is **NOT** in use or online.

For filter media disinfection applications, use a rate of 0.1 - 1 fl. oz. per gallon, and allow to soak for ten (10) minutes. Drain filter media and then rinse with clean water. Prior to producing product water (Permeate), test a sample of the permeate using BioSafe

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Systems Test Strips to determine the level of active ingredients permeate.

For clean in place (CIP) applications involving filters, use a rate of 2.5 to 10.25 fl. oz. per 100 gallons. Re-circulate solution for a minimum of 10 minutes. Upon completion of cleaning cycle, flush filter housings and/or assemblies with clean water. Test a sample of water being used to flush filter media with BioSafe Systems Test Strips to determine levels of active ingredients remaining in the flush water.

For direct disinfection of membranes, use a solution of 0.1 fl. oz. per 1 gallon of water, or 0.5 fl. oz. for 5 gallons of water, within a pH range of 3-7 and maximum water temperature of 80 degrees F. Allow the membranes to soak for a minimum of 10 minutes. Flush or rinse membranes with clean water after treatment. Test flush water with BioSafe Systems Test Strips to determine remaining active ingredient levels.

For membrane CIP systems, use a dilution rate of 2.5 - 10.25 fl. oz. per 100 gallons within a pH of 3-7 and a maximum water temperature of 80 Degrees F. After thorough draining of the solution, rinse the media thoroughly with clean or sterile water for a minimum of ten (10) minutes. Test sample of flush water with BioSafe Systems Test Strips to determine remaining active ingredient levels.

To calculate the amount of product to be used for CIP systems, identify total volume of all tanks, vessels and piping. Prepare dilution based on sum of all identified tank, vessel and piping volumes.

TREATMENT OF COOLING WATER SYSTEMS (such as cooling towers, evaporative condensers).

Severely fouled systems should be cleaned before treatment. Discontinue use of chlorine or bromine products prior to using this product. SaniDate 5.0 Sanitizer should be added to the system directly and not mixed with other chemicals or additives prior to dosing. Other chemicals should be added separately. Check compatibility of SaniDate 5.0 Sanitizer with any other chemicals or additives prior to use. Contamination with certain chemicals could result in lack of efficacy. Add SaniDate 5.0 Sanitizer at a point in the system where uniform mixing and even distribution will occur such as the cooling tower basin sump. Shock doses may be applied for 1 to 2 hours, as necessary, whereas intermittent doses are applied for 5 to 60 minutes 1 to 100 times per day. For either shock, intermittent or continuous dosing, apply 3.2 fl oz to 22.5 fl. oz. of SaniDate 5.0 Sanitizer solution per 1,000 gallons of water. This will provide 25 to 175 ppm of SaniDate 5.0 Sanitizer, or 1 to 9 ppm of peroxyacetic acid. Repeat treatment as required to maintain control.

COMMERCIAL FLORIST USE DIRECTIONS (Not for use in California)

To clean, disinfect, and deodorize hard, non-porous surfaces in ~~containers~~, prepare use solution by adding 0.5 - 1 fl. oz. for one gallon of water.

1. Remove all leaves, petals, garbage, and refuse. Pre-clean surfaces using pressurized water where possible.
2. Apply SaniDate 5.0 Sanitizer solution to hard (inanimate) non-porous surfaces thoroughly wetting surfaces as recommended and required with a cloth, mop, brush, sponge, or sprayer.
3. Allow treated surfaces to remain wet for ten (10) minutes.
4. Ventilate treated surfaces and allow to air dry.

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5. Prepare a fresh solution at least daily or sooner if use solution becomes visibly dirty.

DISINFECTION OF HARD, NON-POROUS FOOD-CONTACT SURFACES IN FOOD PROCESSING PLANTS AND FOOD SERVICE ESTABLISHMENTS

Before using this product, food products and packaging materials must be removed from area or carefully protected.

1. Prior to use of this product, remove gross soil particles from surfaces to be treated. For heavily soiled surfaces, a pre-wash is required.
2. Apply 0.5 fl. oz of SaniDate 5.0 Sanitizer per gallon of water with a mop, cloth, sponge, or hand trigger spray so as to wet all surfaces thoroughly.
3. Allow to remain wet with solution for ten (10) minutes.
4. Rinse all treated surfaces thoroughly with potable water before operations are resumed.

DISINFECTION OF NON-FOOD CONTACT PACKAGING EQUIPMENT

1. Prior to use of this product, remove gross soil particles from surfaces to be treated. For heavily soiled surfaces, a pre-wash is required.
2. For disinfection against beverage spoilage organisms that include *Pediococcus damnosus*, *Lactobacillus malefermentans*, and *Saccharomyces cerevisiae* apply 0.5 fl. oz. of SaniDate 5.0 Sanitizer per gallon of water to surfaces at a temperature of 25° to 45° C.
3. Allow to remain wet with solution for ten (10) minutes.
4. Rinse surfaces thoroughly with potable water before operations are resumed.

PACKINGHOUSE, FOOD PROCESSING AND RENDERING PLANT DISINFECTION

SaniDate 5.0 Sanitizer is effective against *Xanthomonas axonopodis*, *Staphylococcus aureus*, *Pseudomonas aeruginosa*, *Escherichia coli*, *Salmonella enterica*, *Salmonella enteritidis*, *Salmonella typhimurium*, *Proteus vulgaris*, ~~Staphylococcus aureus~~, ~~Staphylococcus aureus~~, ~~Staphylococcus aureus~~, ~~Staphylococcus aureus~~, *Pediococcus damnosus*, *Lactobacillus malefermentans*, ~~Staphylococcus aureus~~, ~~Staphylococcus aureus~~, ~~Staphylococcus aureus~~, ~~Staphylococcus aureus~~, and ~~Staphylococcus aureus~~.

When applied at recommended disinfectant rates, SaniDate 5.0 Sanitizer is also effective as a fungicide against *Trichophyton mentagrophytes*, *Aspergillus fumigatus*, ~~Staphylococcus aureus~~, ~~Staphylococcus aureus~~, and ~~Staphylococcus aureus~~.

Cover or remove all food and packaging materials before disinfection.

For Pre-Cleaned Surfaces: Use a rate of 0.5 fl. oz per gallon for hard non-porous surfaces that are lightly soiled or have been pre-rinsed to remove gross contamination.

~~For Uncleaned Surfaces: For heavily soiled hard non-porous surfaces use a rate of 1 oz per gallon of water. Apply solution with mop, cloth, sponge, brush, scrubber, or coarse sand device or by soaking so as to wet all surfaces thoroughly. Allow to remain wet for 10 minutes then remove solution and entrapped soil with a clean wet mop, cloth, or wet vacuum pickup. Prepare a fresh solution daily or when it becomes soiled or diluted.~~

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Under the Federal Insecticide,
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1. Dairy, Beverage, and Food Processing Plants: SaniDate 5.0 Sanitizer can be used as an adjunct to acceptable manual cleaning and disinfecting to treat hard, non-porous room surfaces.

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1. Remove gross filth from surfaces to be treated.
2. Prior to fogging, remove or carefully protect all food product and packaging materials.
3. Ensure room is properly ventilated. Vacate all personnel from the room during fogging and for a minimum of 1 hour after fogging, to ensure that there is no strong odor, which is characteristic of acetic acid, before having personnel return to work area.
4. Fog desired areas using 1 quart per 1,000 feet of room area with a solution of 1 fl. oz. of SaniDate 5.0 Sanitizer per gallon of potable water (0.25 fl. oz. per quart of potable water) or a dilution rate of 1:125.
5. Allow surfaces to drain thoroughly before operations are resumed. Any food contact surfaces must be rinsed with potable water prior to re-use.

Foot Bath Mats, Pads, Walk Through Trays

Place foot bath mats, pads or trays at the entrances of all rooms and buildings to prevent cross contamination from area to area in packinghouses, food processing and rendering plants.

1. Prior to use of this product, rinse or brush footwear surfaces to remove gross filth.
2. Make a solution using 0.5 – 1.0 fl. oz. of SaniDate 5.0 Sanitizer per gallon of water and add to foot bath mat, pad or tray, filling to capacity.
3. Place boots and shoes in the foot bath mat, pad or tray containing the recommended solution of SaniDate 5.0 Sanitizer. Allow surface to remain wet for ten (10) minutes prior to entering next area. Change solution daily or as needed.

For Foaming applications, add 2 - 4 fl. oz. per gallon of water mixed with foaming solution. Follow foaming directions as specified by the manufacturer of the foam generator/aerator.

POST HARVEST TREATMENTS IN PACKING HOUSES

Treatment for non-potable water systems (wash tanks, dip tanks, drench tanks, evaporators, humidification systems and/or storage tanks) –

Treat water containing plant pathogens with 0.5 fl. oz. of SaniDate 5.0 Sanitizer for every 10 gallons of water or use a dilution rate of 1:1,000.

For direct injection into spray waters used on process lines -

Treat water containing plant pathogens by injecting SaniDate 5.0 Sanitizer directly into spray system water with 0.5 fl. oz. of concentrate for every 100 gallons of water or use a dilution rate of 1:2,500. Applicable for use on all types of post-harvest commodities.

For post-harvest spray treatments on process and packing lines –

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- Use SaniDate 5.0 Sanitizer on the multi-touch surfaces responsible for cross-contamination.
- SaniDate 5.0 Sanitizer is a concentrate formulation designed for use in commercial, institutional, and industrial operations.
- SaniDate 5.0 Sanitizer controls the growth of odor-causing and slime forming bacteria.
- ~~• SaniDate 5.0 Sanitizer controls the growth of odor-causing and slime-forming bacteria and mold that attract flies.~~
- SaniDate 5.0 Sanitizer is an effective anti-microbial cleaner designed for use by wholesale and retail florists, shippers, and in greenhouses.
- When used as directed, SaniDate 5.0 Sanitizer will disinfect hard, non-porous surfaces such as flower buckets, walls, floors of ~~coolers~~, shippers, greenhouse packing areas, garbage pails, and other areas where obnoxious odors may develop.
- SaniDate 5.0 Sanitizer may be used as a general purpose anti-microbial detergent in florist shops, wholesale florist, shippers, greenhouse packing areas, and other commercial floriculture places for efficient cleaning and anti-microbial action against certain bacteria which cause:
 - Plugging of stems with slime, which reduces uptake of water for various flowers including roses, chrysanthemums, gladioli, and tulips.
 - Production of ethylene gas, which may injure blooms of the various sensitive flowers including carnations, snapdragons, some orchids, baby's breath, sweet peas, freesia, and alstroemeria.
- SaniDate 5.0 Sanitizer may be applied through automatic washing systems, immersion tanks, foaming apparatus, low-pressure sprayers and fogging (wet misting) systems.
- SaniDate 5.0 Sanitizer meets AOAC Germicidal and Detergent Test Standards for food contact surfaces.
- SaniDate 5.0 Sanitizer meets AOAC efficacy standards for hard surface sanitizing.
- SaniDate 5.0 Sanitizer meets AOAC efficacy standards for hard surface non-food contact sanitizing.
- ~~• SaniDate 5.0 Sanitizer is recommended for use as a Hatching Egg sanitizer, with best results achieved in water temperatures ranging from 78° - 110°F.~~
- SaniDate 5.0 Sanitizer is formulated to effectively eliminate offensive odors caused by mold and mildew.
- Antibacterial
- Hospital Use Disinfectant
- Institutional Use Disinfectant
- Easy to use
- For sanitizing of hard, non-porous surfaces, structures & equipment
- Ready to use Activated Peroxide Disinfectant
- Activated Peroxygen treatment
- Activated Peroxygen chemistry
- Contains no phosphates
- Sanitizes and deodorizes
- Leaves no residue
- Scent free
- Chlorine free

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• Versatile Sanitizer

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