

70299-11

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON D.C., 20460

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

BioSafe Systems, LLC  
22 Meadow Street  
East Hartford, CT 06108

Attention: Donna Bishel  
Regulatory Specialist

JAN 23 2010

Subject: SANIDATE® 5.0 Sanitizer  
EPA Reg. No. 70299-11  
Amendment Dated September 21, 2009

The following amendment, submitted in connection with registration under section 3(c)(7)(A) of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is acceptable, provided the following changes are incorporated:

- Remove all language stating that the product is an “algacide” or it “kills algae” on hard non-porous surface. No data were submitted to support those claims. In addition, such wording such as “eliminates”, “removes”, “rids”, or “get rid of” must be removed from the labeling.
- On page 20, under the WATER TREATMENT section (pps. 20-21), the following changes must be incorporated:
  - Delete the use “fish pond”. Likely exposure to fish could occur. Therefore, this use pattern needs further evaluation to determine the likelihood of aquatic exposure to fish. In addition, any statement referring this product as “safe to fish or the aquatic environment” must be removed
  - Delete the use(s) Water Collectors, watering tanks and Domestic/Commercial Waters. Because of the terminology is too broad and needs to be characterized.
- On page 31, delete the wording “biodegradable, fast acting algae control, and alternate to copper based products. This claim is false and misleading as described in 40 CFR part 156.

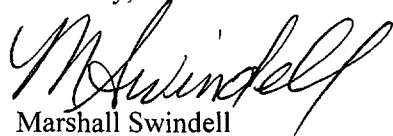
Submit and/or cite all data required for registration/reregistration of your product under FIFRA section 3(c)(5) and section 4(a) when the Agency requires all registrants of similar products to submit such data.

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

A stamped copy of the accepted labeling is enclosed. Submit three copies of your final printed labeling to the Agency before distributing or selling the product bearing the revised labeling.

If you have any questions concerning this letter, please contact Demson Fuller at (703) 308-8062.

Sincerely,



Marshall Swindell  
Product Manager (33)  
Regulatory Management Branch 1  
Antimicrobials Division (7510C)

# SaniDate® 5.0 Sanitizer

*(Alternate Brand Names: SaniDate 5.0 Sanitizer/Disinfectant, StorOx 5.0 Broad Spectrum Bactericide/Fungicide, StorOx 5.0, GreenClean 5.0 Liquid)*

For the sanitization and disinfection of hard, non-porous surfaces.  
To inhibit the growth of algae, bacteria, mold and mildew on hard, non-porous surfaces.  
For the control of odor causing bacteria and fungi in water damage restoration situations.  
For use in commercial, agricultural, post harvest, 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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**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	
<b>If in eyes</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15 – 20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If on skin or clothing</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15 – 20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If swallowed</b>	<ul style="list-style-type: none"> <li>• Call poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by the poison control center.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
<b>If inhaled</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
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.	
<p align="center"><b>NOTE TO PHYSICIAN</b></p> <p align="center">Probable mucosal damage may contraindicate the use of gastric lavage.</p>	

**Sold by:** BioSafe Systems, 22 Meadow St, East Hartford, CT 06108  
**EPA Registration No.:** 70299 -11  
**EPA Establishment No.:** 60156-IL-001  
**Net Contents:**

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PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS
<p><b>DANGER: CORROSIVE.</b> 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, and rubber gloves when handling. Do not enter an enclosed area without proper respiratory protection. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco. Remove contaminated clothing and wash before reuse.</p>
<p align="center"><b>PHYSICAL AND CHEMICAL HAZARDS</b></p> <p><b>Corrosive.</b> 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.</p>

**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.

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, livestock quarters, stables, stalls, and pens.
- Packinghouses, food processing and rendering plants
- Healthcare facilities
- Commercial floral shops
- Hairdressing salons/barber shops
- Pharmaceutical/cosmetic facilities

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SaniDate 5.0 Sanitizer effectively inhibits the growth of mold and mildew and odors caused by them when applied to hard non-porous surfaces (non food contact surfaces), such as floors, walkways, walls, tables, chairs, benches, countertops, cabinets, bathroom

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fixtures, sinks, shelves, racks, crates, carts, trailers, vehicles, conveyors, refrigerators (exterior), fan blades, drains, piping, commercial, municipal, and process water transfer and handling systems, filter housings, vats, tanks, pumps, valves and systems

Disinfectant, Fungicide, Insecticide, Molluscicide, Nematicide, Rodenticide, and Sanitizer. Registered under EPA Reg. No. 70299-11

**MOLD AND MILDEW CONTROL ON HARD, NON-POROUS SURFACES**

Use a rate of 0.5 fl. oz. per gallon for hard, non-porous surfaces, (non food contact surfaces), that are lightly soiled or have been pre-rinsed to remove gross contamination. For heavily soiled hard non-porous surfaces, a pre-cleaning step is required. 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 (exterior), glazed tile, and use sites listed on this label made of linoleum, vinyl, glazed porcelain, plastic polyethylene, stainless steel, or glass.

**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, 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. Allow surfaces to stay wet with solution for ten (10) minutes. Permit treated 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 (Not for use in California)**

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. Allow surfaces to stay wet with solution for ten (10) minutes. Permit treated surfaces to be thoroughly dry before painting or affixing overlayment materials such as siding, wallboard or flooring.

The following associations and Internet sites should be consulted for information on standards and guidelines for remedial treatment of mold and mildew:

- IAQA-Indoor Air Quality Association ([www.iaqa.org](http://www.iaqa.org))
- EPA-Environmental Protection Agency ([www.epa.gov](http://www.epa.gov))
- DOH-New York City Department of Health ([www.ci.nyc.ny.us/html/doh/html/epi/moldrpt1.html](http://www.ci.nyc.ny.us/html/doh/html/epi/moldrpt1.html))
- IICRC-Institute of Inspection, Cleaning and Restoration Certification (<http://www.iicrc.org/>)

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**Small Areas-Total Surface Area Affected Less Than 10 Square Feet Cleanup Methods\***

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

Method 1: Wet vacuum (in the case of porous materials, some mold spores/fragments will remain in the material but will not grow if the material is completely dried).

Method 2: Damp-wipe surfaces with plain water or use a wood floor cleaner; 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 personal protective equipment to be worn during clean up includes gloves, N-95 respirator and goggles/eye protection.

**Other Construction Materials**

Concrete or Cinder Block

Method 1: Wet vacuum (in the case of porous materials, some mold spores/fragments will remain in the material but will not grow if the material is completely dried).

Method 2: High-efficiency air (HEPA) vacuum after the material has been thoroughly dried. Dispose of the contents of the HEPA vacuum in well-sealed plastic bags.

Special procedures and training are required for remediation of moldy areas larger than 10 square feet. Consult guidelines for remediation of large areas established by the Indoor Air Quality Association ([www.iaqa.org](http://www.iaqa.org)) and the US Environmental Protection Agency ([www.epa.gov](http://www.epa.gov)). An excellent reference is the New York City Department of Health publication, "Guidelines on Assessment and Remediation of Fungi in Indoor Environments." An excellent guide for professional mold remediation is available from the Institute of Inspection, Cleaning And Restoration Certification (IICRC). Standard S520 is based upon reliable remediation and restoration techniques, and combines academic principles with practical elements of water damage restoration. Where structural members and/or contents have been exposed to water in excess of 24 hours, there is a possibility of extensive microbial growth that may be hidden. In such a case a complete assessment and remediation plan must be prepared that provides for user and occupant safety and documentation and monitoring of the remediation process. IICRC S520 contains excellent guidance for such a plan. In the context of such a plan, SaniDate 5.0 Sanitizer can be used on materials to be removed and disposed of and in other applications where mold inhibition is indicated. The Standard must be followed exactly and all growth and contaminated organic material removed prior to using SaniDate 5.0 Sanitizer. Before using SaniDate 5.0 Sanitizer in mitigation of large projects, you should be knowledgeable of

these guidelines and follow their recommendations. In the absence of access to the guidance and standards identified, the user should refer to the following information taken from U.S. EPA's guide: Mold Remediation in Schools and Commercial Buildings (March 2001). These guidelines are based on the area and type of material affected by water damage and/or mold growth. Please note that these are guidelines; some professionals may prefer other cleaning methods. Use the appropriate remediation steps prior to application of SaniDate 5.0 Sanitizer.

**Medium-Total Surface Area Affected Between 10 and 100 Square Feet  
Cleanup Methods\***

Method 1: Wet vacuum (in the case of porous materials, some mold spores/fragments will remain in the material but will not grow if the material is completely dried.

Method 2: Damp-wipe surfaces with plain water or with wood floor cleaner; scrub as needed.

Method 3: High-efficiency particulate (HEPA) vacuum after the material has been thoroughly dried.

Dispose of the contents of the HEPA vacuum in well-sealed plastic bags.

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**Other Construction Materials  
Concrete or cinder block**

Method 1: Wet vacuum (in the case of porous materials, some mold spores/fragments will remain in the material but will not grow if the material is completely dried.

Method 2: High-efficiency particulate (HEPA) vacuum after the material has been thoroughly dried.

Dispose of the contents of the HEPA vacuum in well-sealed plastic bags.

\*Limited or Full personal protective equipment is recommended during cleanup. Limited personal protective equipment includes gloves, N-95 respirator or half-face respirator with HEPA filter, disposable overalls, goggles/eye protection. Full personal protective equipment includes gloves, disposable full body clothing, headgear, foot coverings, full-face respirator with HEPA filter.

Use professional judgment, consider potential for remediator exposure and size of contaminated area.

**Large-Total Surface Area Affected Greater Than 100 Square Feet or Potential for Increase Occupant or Remediator Exposure During Remediation Estimated to be Significant**

**Cleanup Methods\***

Method 1: Wet vacuum (in the case of porous materials, some mold spores/fragments will remain in the material but will not grow if the material is completely dried.

Method 2: Damp-wipe surfaces with plain water or with a wood floor cleaner; scrub as needed

Method 3: High-efficiency particulate (HEPA) vacuum after the material has been thoroughly dried.

Dispose of the contents of the HEPA vacuum in well-sealed plastic bags.

Method 4: Discard/remove water-damaged materials and seal in plastic bags while inside of containment, if present. Dispose of as normal waste. HEPA vacuum area after it is dried.



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**Other Construction Materials**  
**Concrete or cinder block**  
**Cleanup Methods\***

Method 1: Wet vacuum (in the case of porous materials, some mold spores/fragments will remain in the material but will not grow if the material is completely dried.

Method 2: High-efficiency particulate (HEPA) vacuum after the material has been thoroughly dried. Dispose of the contents of the HEPA vacuum in well-sealed plastic bags.

\*Gloves, disposable full body clothing, headgear, foot coverings, full-face respirator with HEPA filter are the recommended personal protective equipment.

\*Select method most appropriate to situation. Since molds gradually destroy the things they grow on, if mold growth is not addressed promptly, some items may be damaged such that cleaning will not restore their original appearance. If mold growth is heavy and items are valuable or important, you may wish to consult a restoration/water damage/remediation expert. Please note that these are guidelines; other cleaning methods may be preferred by some professionals.

\*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. Assess the need for increased Personal Protective Equipment if, during the remediation, more extensive contamination is encountered than was expected. These guidelines are for damage caused by clean water. If you know or suspect that the water source is contaminated with sewage, or chemical or biological pollutants, then the Occupational Safety and Health Administration (OSHA) requires PPE and containment. An experienced professional should be consulted if you and/or your remediators do not have expertise in remediating contaminated water situations.

**Containment of Affected Materials**

**Total Surface Area Affected Between 10 and 100 Square Feet (All Surfaces)**

Use polyethylene sheeting ceiling to floor around affected area with a slit entry and covering flap; maintain area under negative pressure with HEPA filtered fan unit. Block supply and return air vents within containment area.

**Total Surface Area Affected Greater Than 100 Square Feet or Potential for Increased Occupant or Remediator Exposure During Remediation Estimated to be Significant**

Use two layers of fire-retardant polyethylene sheeting with one airlock chamber. Maintain area under negative pressure with HEPA filtered fan exhausted outside of building. Block supply and return air vents within containment area.

**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:

- Dairies, wineries, breweries, and beverage plants

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- 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
- Grocery stores, supermarkets, food distribution and storage facilities
- 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 - *Escherichia coli* and *Staphylococcus aureus*. 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, tractor trailers, trucks, cabs, 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. Do not rinse.
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.

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5. If applicable, fill closed systems with diluted sanitizer solution at ambient temperature of 5°C (41°F) to 40°C (104°F).
6. Allow a contact time of one (1) minute.
7. Allow items and/or surfaces to drain thoroughly before resuming operation. Do not rinse.

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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, 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.
3. Allow contact for at least (1) one minute.
4. Allow items and/or surfaces to air dry. No potable water rinse is required.

**SANITIZATION OF FOOD STORAGE AREAS**

1. Remove all food prior to sanitization of food storage areas.
2. Prior to use of this product, remove gross soil particles from surfaces to be treated. For heavily soiled surfaces, a pre-wash is required.
3. Apply 1.6 to 1.7 liquid ounces SaniDate 5.0 Sanitizer to 5 gallons of potable water with a mop, cloth, sponge, or hand trigger spray so as to wet all surfaces thoroughly.
4. Allow to remain wet with solution for one (1) minute.
5. Allow items and/or surfaces to air dry. No potable water rinse is required.

**Fogging Instructions:** SaniDate 5.0 Sanitizer can be used as an adjunct to acceptable manual cleaning and sanitizing to treat hard, non-porous room surfaces.

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 1.6 to 1.7 liquid ounces SaniDate 5.0 Sanitizer to 5 gallons of potable water.
5. Allow surfaces to drain thoroughly before operations are resumed.

**TRACTOR TRAILER SANITIZATION**

SaniDate 5.0 Sanitizer may be used to sanitize and deodorize vehicles such as trucks, trailers, cabs, crates, (including truck body parts and tires, mats, wheels). Use SaniDate 5.0 Sanitizer to prevent the cross contamination of bacteria, fungus and mold between loads.

1. Before sanitization, move the vehicle into an area with an impervious surface and with controlled drainage. Ensure that no sanitization solution will be released into the environment.
2. Remove gross contamination with high pressure water and cleaner or other suitable detergent and rinse with water.
3. Apply SaniDate 5.0 Sanitizer using a coarse spray device at a rate of 1.6 to 1.7 fl. oz. to 5 gallons of potable water.
4. Allow sanitizer to contact surface for at least one (1) minute.

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Allow equipment to drain dry before using. Do not rinse.

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

Under the Federal Insecticide, Fungicide, and Rodenticide Act, amended, for the pesticide, whenever possible. EPA Reg No. 70299-11

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. Do not rinse.

**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. Do not rinse.

**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. Do not rinse.

### 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 liquid ounces SaniDate 5.0 Sanitizer 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. 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, tractor trailers, hatcheries, live stock quarters, stables, stalls, and pens.
- Packinghouses, food processing and rendering plants
- Grocery stores, supermarkets, food distribution and storage facilities
- 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) - *Staphylococcus aureus*, *Pseudomonas aeruginosa*, and *Salmonella enterica* 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*.

### 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-cleaned to remove gross contamination. For heavily soiled hard non-porous surfaces, a pre-cleaning step is required. 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. Applications involving treatment of food contact surfaces require a sterile or potable water rinse following disinfection.

**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. For heavily soiled surfaces, a pre-cleaning step is required.

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/Disinfectant is an effective bactericide against: *Staphylococcus aureus*, *Pseudomonas aeruginosa*, and *Salmonella enterica*.

**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-cleaned or lightly soiled surfaces to disinfect.

**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 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 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. This product can be used to disinfect surfaces contaminated with *Staphylococcus aureus*, *Pseudomonas aeruginosa*, and *Salmonella enterica*. When applied at recommended disinfectant rates, SaniDate 5.0 Sanitizer is also effective as a fungicide against *Trichophyton mentagrophytes*.

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. Use SaniDate 5.0 Sanitizer at a dilution rate of 1:256 (0.5 fl. oz./gal) coarse spray.
4. Allow solution to contact surface for ten (10) minutes.
5. Allow to air dry, do not rinse.

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**TRACTOR TRAILER DISINFECTION**

SaniDate 5.0 Sanitizer may be used to disinfect and deodorize vehicles such as trucks, trailers, cabs, crates, (including truck body parts and tires, mats, wheels). Use SaniDate 5.0 Sanitizer to prevent the cross contamination of bacteria, fungus and mold between loads.

1. Before disinfection, move the vehicle 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 high pressure water and cleaner or other suitable detergent and rinse with water.
3. Apply SaniDate 5.0 Sanitizer using a coarse spray device at a rate of 0.5 fl. oz. per 1 gallon of water for a period of ten (10) minutes.
4. Rinse all treated surfaces that will contact food or commodities with potable water before use.

**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, 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 poultry.
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.

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**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.

**TO FOG POULTRY PREMISES, TRUCKS, COOPS, CRATES**

SaniDate 5.0 Sanitizer can be used as an adjunct to acceptable manual cleaning and disinfecting to treat hard, non-porous surfaces.

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. 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.
5. 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.
6. Ventilate buildings, coops, and other closed spaces for minimum of one hour. Allow surfaces 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.

**DISINFECTION AND DEODORIZING OF ANIMAL HOUSING FACILITIES (BARN, 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.

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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 DISINFECTION**

1. Remove all animals and feed from enclosure to be cleaned.
2. Thoroughly clean all hard, non-porous surfaces 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. Thoroughly scrub all treated surfaces with soap or detergent and rinse with potable water before reuse.
5. Do not return animals to the habitat until it is dry and ventilated.
6. Clean terrarium at least once weekly or more as needed.

**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, poultry premises, greenhouses, packing houses, 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.

**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.

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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 Systems Test Strips to determine the level of active ingredients remaining in the 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.

**COMMERCIAL FLORIST USE DIRECTIONS**

To clean, disinfect, and deodorize hard, non-porous surfaces, 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.
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.

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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, 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.

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**PACKINGHOUSE, FOOD STORAGE FACILITIES, FOOD PROCESSING AND RENDERING PLANT DISINFECTION**

SaniDate 5.0 Sanitizer is effective against *Staphylococcus aureus*, *Pseudomonas aeruginosa*, and *Salmonella enterica*. Apply SaniDate 5.0 Sanitizer on all surfaces and equipment found in commercial packinghouses including dump tanks, drenches, crates, containers, conveyors, storages, walls, floors, and process lines.

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

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-cleaned to remove gross contamination.

To Fog Dairy, Beverage, Food Storage Facilities, Packing Houses 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.

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.

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.

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**CONTROL OF ALGAL, FUNGAL, AND SLIME-FORMING BACTERIAL GROWTH IN INDOOR, CLOSED LOOP, NON-POTABLE, NON-FOOD CONTACT WATER SYSTEMS**

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

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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 4.5 to 22.5 fl. oz. of SaniDate 5.0 Sanitizer/Disinfectant solution per 1,000 gallons of water. This will provide 25 to 176 ppm of SaniDate 5.0 Sanitizer, or 2 to 9 ppm of peroxyacetic acid. Repeat treatment as required to maintain control.

**CONTROL OF ALGAL, FUNGAL, AND SLIME-FORMING BACTERIAL GROWTH IN LIVESTOCK WATER**

**STOCK TANKS AND LIVESTOCK WATER**

Use SaniDate 5.0 Sanitizer to suppress / control algae, odor causing and slime-forming bacteria and fungi sulfides in stock tanks, stock watering ponds, tanks and troughs, and livestock water. Apply 0.75 1.2 to 6.0 fluid ounces of SaniDate 5.0 Sanitizer per 250 gallons of water (2 – 10 ppm of 100% peroxyacetic acid) for algae control. Product can be simply added to the body of waters, as the residual control will allow for even distribution throughout the water column. Where existing algae mats are present at time of treatment, the most effective control will be obtained by breaking up mats and/or evenly dispersing diluted SaniDate 5.0 Sanitizer over the algae mats. Apply SaniDate 5.0 Sanitizer as needed to control and prevent algae growth; apply more often frequently applications in times of higher water temperatures.

Drip system application for livestock watering tanks: Tanks fed by a continuous flow of spring or well water can be equipped with a chemical drip system designed to meter-in SaniDate 5.0 Sanitizer based upon water flow rates. Pre-dilute SaniDate 5.0 Sanitizer at a 265: 1 rate or 4-mL/minute water flow rate. Treat continuously or as needed to control and prevent algae regrowth.

**POST HARVEST TREATMENTS**

Use SaniDate 5.0 Sanitizer for the treatment of waters used in the handling, processing, packing or storage of raw fruits and vegetables. SaniDate 5.0 Sanitizer may also be used to control the growth of spoilage and decay causing bacterial and fungal diseases on post harvest fruits and vegetables. For post harvest applications, fruits and vegetables can be sprayed or submerged in the resulting solution for a minimum contact time of 30 45 seconds, followed by adequate draining.

**Note: May cause bleaching of treated surfaces, test commodity if unsure.**

**TREATMENT OF FRUIT AND VEGETABLE PROCESSING WATERS**

Use SaniDate 5.0 Sanitizer for the treatment of waters used in the processing of raw fruits and vegetables. Mix SaniDate 5.0 Sanitizer with water either batch-wise or continuously at a rate of 59.1 to 209.5 fl. oz. of SaniDate 5.0 Sanitizer solution to 1,000 gallons water. This will provide 462 to 1636 ppm of SaniDate 5.0 Sanitizer, or 24 to 85 ppm 100% peracetic acid in the use solution. The fruits and vegetables can be sprayed or submerged in the resulting solution for a minimum contact time of 45 seconds, followed by adequate draining. At this use dilution, SaniDate 5.0 Sanitizer will control the growth of spoilage and decay causing non-public health organisms in process waters and on the surface of fresh cut or post harvest fruits and vegetables. This product is not intended for control of any public health organisms on fruit and vegetable surfaces.

**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 40 gallons of water or use a dilution rate of 1:2,500. Treat water containing plant pathogens with 0.6-2.1 fl. oz. of SaniDate 5.0 Sanitizer for every 10 gallons of water or use a dilution rate of 1:620-1:2,200. This will provide 462-1636 ppm of SaniDate 5.0, or 24 to 85 ppm 100% peracetic acid in the use solution.

**~~DIRECT INJECTION INTO SPRAY WATERS USED ON PROCESS LINES AND HUMIDIFICATION SYSTEMS~~**

~~Treat water containing plant pathogens by injecting SaniDate 5.0 Sanitizer directly into spray system water with 5.0 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.~~

**POST HARVEST SPRAY TREATMENTS ON PROCESS AND PACKING LINES**

Inject SaniDate 5.0 Sanitizer directly into spray, misting, humidification, fogging and spray bar system make up system water on process and packing lines to prevent bacterial and fungal diseases on post-harvest fruits and vegetables. Inject at a rate of 1:250 - 1:2,500 concentrate to clean water. For best results, where dump tanks are used, make post harvest spray treatment as produce is leaving dump tanks. Applicable for use on all types of post harvest commodities.

**~~POST HARVEST SPRAY TREATMENTS~~**

~~Use SaniDate 5.0 Sanitizer to prevent bacterial and fungal diseases on post-harvest fruits and vegetables. Mix 0.21 fl. oz. - 0.16 fl. oz. SaniDate 5.0 Sanitizer per gallon of clean water. Spray fruit or vegetables to runoff using hydraulic, backpack, air-assisted or other similar sprayer or foaming device.~~

**~~DIRECT INJECTION INTO DUMP TANKS, HYDRO COOLERS, SPRAY SYSTEM AND PROCESS WATERS~~**

~~For treatment of water containing plant pathogens, inject SaniDate 5.0 Sanitizer and maintain a predetermined residual level by using metering equipment, coupled with ORP measuring probes.~~

- 1. ~~Determine biological organic loading prior to treatment if possible.~~

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2. For waters that contain low levels of biological and organic loading inject SaniDate 5.0 Sanitizer at 5.0 — 1.7 fl. oz. of concentrate for every 100 gallons of water or at a dilution rate of 1:2,500 — 1:7,500.
3. For clean water, inject 1.25 fl. oz. of SaniDate 5.0 Sanitizer for every 100 gallons of water or a dilution rate of 1:10,000 to prevent the formation of algae, bacteria and fungi.

**DISINFECTION OF POTATO STORAGE AREAS AND EQUIPMENT**

1. Remove all potatoes prior to disinfection of potato storage areas and equipment.
2. Prior to use of this product, remove gross soil particles from surfaces to be treated. For heavily soiled surfaces, a pre-wash is required.
3. 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.
4. Allow to remain wet with solution for ten (10) minutes.
5. Rinse all treated surfaces thoroughly with potable water before operations are resumed.

**SPRAY TREATMENTS FOR NEWLY HARVESTED POTATOES PRIOR TO STORAGE**

Crop	Disease	Application Rate	Directions
Potatoes	Bacteria Soft Rot Early Blight Fusarium Tuber Rot Late Blight Silver Scurf	0.5-1.9 fl. oz. of SaniDate 5.0 Sanitizer per gallon of water.	Spray diluted solution on tuber to runoff to achieve full and even coverage. The use of additional surfactant is acceptable to aid in sticking. Use 1 to 2 gallons of water per ton of potatoes.

**DIRECT INJECTION INTO HUMIDIFICATION WATER FOR POST HARVEST POTATOES IN STORAGE**

Crop	Disease	Application Rate	Directions
Potatoes	Bacteria Soft Rot Early Blight Fusarium Tuber Rot Late Blight Silver Scurf	0.2-0.5 fl. oz. of SaniDate 5.0 Sanitizer per gallon of water.	Inject concentrate into makeup water used in humidification of postharvest potatoes in storage.

**TREATMENT OF RINSES FOR POST HARVEST POTATOES BEFORE, DURING OR AFTER STORAGE**

Crop	Disease	Dilution Rate	Directions
Potatoes	Odor-causing and/or slime-forming bacteria	1:2650 — 1:13,250	Inject concentrate into process water used in potato rinses, and associated tanks, flumes and lines.

**WATER TREATMENT**

**CONTAINED WATERS** — controls and prevents algae and cyanobacteria in contained waters such as Water Gardens, Fish Ponds, Ornamental Ponds, and

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Ornamental Waterfalls, Fountains, Watering Tanks, Storage Tanks, ~~Water Collectors and Domestic/Commercial waters~~. Waters treated with SaniDate 5.0 Sanitizer are permissible to be used without interruption.

**DETERMINING WATER VOLUME**

Measure length (L), width (W), and average depth (D) in feet (ft) or meters (m) and calculate volume using one of the following formulas:

Square/Rectangular:

$L(ft) \times W(ft) \times D(ft) \times 7.5 = \text{Gallons}$   
 $L(m) \times W(m) \times D(m) \times 1000 = \text{Liters}$

Circular/Elliptical:

$L(ft) \times W(ft) \times D(ft) \times 5.9 = \text{Gallons}$   
 $L(m) \times W(m) \times D(m) \times 786 = \text{Liters}$

Avg. Length (ft) x Avg. Width (ft)  
43,560 = acres

**APPLICATION METHODS**

In bodies of water where an aerator is available, and when treating the entire water volume, dose at the edges, or in the turbulence created while the aerator runs to facilitate rapid and adequate mixing.

Spot Treatment: Apply SaniDate 5.0 Sanitizer directly over the infested area. Re-treatment is required when heavy growth occurs.

Liquid Treatment: Spray solution on the water surface from shore or a properly equipped boat.

Injection Treatment: Inject solution into the water via a piping system.

**APPLICATION RATES**

Algae Density	Teaspoons SaniDate 5.0 Sanitizer / 50 gallons	Fluid Ounces SaniDate 5.0 Sanitizer / 1000 gallons	PPM Peroxyacetic Acid	PPM Hydrogen Dioxide
Low	1.0	2.6	1.1	4.8
Moderate	2.0	5.3	2.2	9.5
High	3.0	8.0	3.3	14.3

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FOR COMMENTS  
in EPA Letter Dated:  
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70294-11

**EFFECTIVENESS FACTORS**

- Effects of SaniDate 5.0 Sanitizer treatment are immediately apparent (bubbling, bleaching, & discoloration of algae).

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- SaniDate 5.0 Sanitizer treatments are successful when contact of the pesticide is made with the algae.
- When treating surface mats and blooms, it is possible that SaniDate 5.0 Sanitizer will not penetrate the water column below the infested area, and a second application is then required for treating any bottom growing algae.

Apply more often during the summer months when water consumption and temperatures are high.

**CONTROL OF ALGAL, FUNGAL, AND SLIME-FORMING BACTERIAL GROWTH IN AGRICULTURAL IRRIGATION SYSTEMS AND WATER**

**FOR AGRICULTURAL IRRIGATION WATER AND DRAINAGE DITCHES**

Use SaniDate 5.0 Sanitizer to treat water to suppress / control algae, bacteria and fungi bacterial slime and odors, and sulfides in agricultural irrigation and drainage water and ditches. For irrigation water, apply ~~1.3 to 2.9~~ 4.8 to 24 fluid ounces of SaniDate 5.0 Sanitizer per 1,000 gallons of water. This amount will provide 2 – 10 ppm of 100% peroxyacetic acid. Product can be simply added to the body of water, as the residual control will allow for even distribution throughout the water column. Apply SaniDate 5.0 Sanitizer as needed to control and prevent algae growth; apply more often in times of higher water temperatures.

**DISINFECTION OF GREENHOUSE SURFACES AND EQUIPMENT**

Use SaniDate 5.0 Sanitizer to disinfect and suppress/control algae, fungi and bacterial growth on hard, non-porous surfaces such as glazing, plastic, pots, flats, trays, cutting tools, benches, work areas, walkways, floors, walls, fan blades, ventilation ducts, watering systems, coolers, storage rooms, structures and equipment.

Clean surfaces before treatment. Sweep and remove all plant debris, and use power sprayer to wash all surfaces to remove loose dirt. Use a dilution of 1:256 of SaniDate 5.0 Sanitizer or 0.5 fl. oz. per gallon of water for all non-porous surfaces that have been pre-cleaned with water. Apply solution with mop, sponge, power sprayer or fogger to thoroughly wet all surfaces. Cutting tools may be soaked to ensure complete coverage. To disinfect, allow surfaces to remain wet with solution for ten (10) minutes with complete coverage.

Heavy growths of algae and fungi may have to be scrubbed off following application. Repeat treatment as required to maintain control.

**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.

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**CONTROL OF ALGAL, FUNGAL AND ODOR CAUSING BACTERIAL GROWTH ON NON FOOD CONTACT GREENHOUSE WATERING SYSTEMS**

**TREATMENT OF GREENHOUSE EVAPORATIVE COOLERS**



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Treat contaminated surfaces with a dilution of 1:256 of SaniDate 5.0 Sanitizer or 0.5 fl. oz. per gallon of water. For maintenance, treat cooler water once a week with a dilution of 1:800 of SaniDate 5.0 Sanitizer for every gallon of cooling water.

**TREATMENT OF GREENHOUSE IRRIGATION SYSTEMS**

(such as flooded floors, flooded benches, recycled water systems, drip trickle, capillary mats, sprinkler systems, humidification and misting systems) – Treat contaminated water with a dilution of 1:2200 of SaniDate 5.0 Sanitizer. For maintenance, treat clean water with a dilution of 1:22,000 to 1:44,000 of SaniDate 5.0 Sanitizer as needed, for the control of algae and bacteria. For fungal control, increase maintenance rate to 1:5,000 to 1:10,000. Refer to Chemigation Directions for Use for specific instructions on using this product through irrigation systems.

**WATER DAMAGE RESTORATION**

Use SaniDate 5.0 to control the growth of odor causing bacteria and fungi in water damage restoration situations. This product is suitable for use on hard, non-porous surfaces, along with the following porous and semi-porous materials: carpets, carpet cushion, sub floors, drywall, trim, frame lumber, tackless strip and paneling.

**SEWER BACKUP AND RIVER FLOODING (Not for use in California)**

During mitigation procedures prepare a solution of SaniDate 5.0 Sanitizer by adding 1 fl. oz. of the product to 1 gallon of potable water, allowing for the diluting effect of absorbed water within the saturated materials. Remove heavy soil or gross filth from surfaces by cleaning with SaniDate 5.0 Sanitizer solution by wiping, mopping, or as a coarse spray. Saturate all affected materials with the solution using a coarse spray before cleaning and extraction. Allow surfaces and materials to remain wet with solution for ten (10) minutes. Follow with a thorough extraction. Dry rapidly and thoroughly. Use proper ventilation.

**CONTROL OF BACTERIAL GROWTH ON HARD, NON POROUS SURFACES**

**BACTERIOSTATIC (Not for use in California)**

At 0.5 fl. oz. per 1 gallon of water, SaniDate 5.0 Sanitizer is effective at inhibiting the growth of bacteria when used in the presence of 400 ppm hard water and organic soil. This product can be used on floors, walls and other hard non-porous surfaces such as tables, chairs, countertops, bathroom fixtures, sinks, shelves, racks, carts, refrigerators, coolers, glazed tile, and use sites listed on this label made of linoleum, vinyl, glazed porcelain, plastic (such as polypropylene and polyethylene), stainless steel, or glass.

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**CHEMIGATION:**

**General Requirements -**

- 1) Apply this product only through a drip system or sprinkler system, including flood, and drip (trickle) irrigation systems. Apply this product only through a drip system or sprinkler including center pivot, lateral move, end tow, side (wheel) roll, traveler, big gun, solid set, hand move, flood (basin), furrow, border or drip (trickle) irrigation systems. Do not apply this product through any other type of irrigation system.
- 2) Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from non-uniform distribution of treated water.
- 3) If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers or other experts.

- 4) Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the pesticide label-prescribed safety devices for public water systems are in place.
- 5) A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.
- 6) Posting of areas to be chemigated is required when 1) any part of a treated area is within 300 feet of sensitive areas such as residential areas, labor camps, businesses, day care centers, hospitals, in-patient clinics, nursing homes or any public areas such as schools, parks, playgrounds, or other public facilities not including public roads, or 2) when the chemigated area is open to the public such as golf courses or retail greenhouses.
- 7) Posting must conform to the following requirements. Treated areas shall be posted with signs at all usual points of entry and along likely routes of approach from the listed sensitive areas. When there are no usual points of entry, signs must be posted in the corners of the treated areas and in any other location affording maximum visibility to sensitive areas. The printed side of the sign should face away from the treated area towards the sensitive area. The signs shall be printed in English. Signs must be posted prior to application and must remain posted until foliage has dried and soil surface water has disappeared. Signs may remain in place indefinitely as long as they are composed of materials to prevent deterioration and maintain legibility for the duration of the posting period.
- 8) All words shall consist of letters at least 2.5 inches tall, and all letters and the symbol shall be a color which sharply contrasts with their immediate background. At the top of the sign shall be the words KEEP OUT, followed by an octagonal stop sign symbol at least 8 inches in diameter containing the word STOP. Below the symbol shall be the words PESTICIDES IN IRRIGATION WATER.

**Specific Requirements for Chemigation Systems Connected to Public Water Systems -**

- 1) Public water system means a system for the provision to the public of piped water for human consumption if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days out of the year.
- 2) Chemigation systems connected to public water systems must contain a functional, reduced-pressure zone, backflow preventer (RPZ) or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, the water from the public water system should be discharged into a reservoir tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe.
- 3) The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
- 4) The pesticide injection pipeline must contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.

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- 5) The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops, or in cases where there is no water pump, when the water pressure decreases to the point where pesticide distribution is adversely affected.
- 6) Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.
- 7) Do not apply when wind speed favors drift beyond the area intended for treatment.

**Specific Requirements for Sprinkler Chemigation -**

- 1) The system must contain a functional check valve, vacuum relief valve and low-pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.
- 2) The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
- 3) The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
- 4) The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
- 5) The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.
- 6) Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being filled with a system interlock.
- 7) Do not apply when wind speed favors drift beyond the area intended for treatment.

**Specific Requirements for Flood Chemigation -**

- 1) Systems using a gravity flow pesticide dispensing system must meter the pesticide into the water at the head of the field and downstream of a hydraulic discontinuity such as a drop structure or weir box to decrease potential for water source contamination from backflow if water flow stops.

The systems utilizing a pressurized water and pesticide injection system must meet the following requirements:

- a. The system must contain a functional check valve, vacuum relief valve and low-pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.
- b. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
- c. The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.

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70299-11

- d. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
- e. The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.
- f. Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being filled with a system interlock.

**Specific Requirements for Drip (Trickle) Chemigation -**

- 1) The system must contain a functional check valve, vacuum relief valve and low-pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.
- 2) The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
- 3) The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
- 4) The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
- 5) The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.
- 6) Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being filled with a system interlock.

**Application Instructions -**

- 1) Remove scale, pesticide residues, and other foreign matter from the chemical supply tank and entire injector system. Flush with clean water. Failure to provide a clean tank, void of scale or residues may cause product to lose effectiveness or strength.
  - 2) Determine the treatment rates as indicated in the directions for use and make proper dilutions.
  - 3) Prepare a solution in the chemical tank by filling the tank with the required water and then adding product as required. The product will immediately go into suspension without any required agitation.
- Do not apply SaniDate 5.0 Sanitizer in conjunction with any other pesticides or fertilizers; this has the potential to cause reduced performance of the product. Avoid application in this manner.

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**STORAGE AND DISPOSAL**

Do not contaminate water, food, or feed by storage or disposal.

**PESTICIDE STORAGE:** Store in original containers in a cool, well-vented area, away from direct sunlight. Do not allow product to become overheated in storage. This may cause

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increased degradation of the product, which will decrease product effectiveness. In case of spill, flood area with large quantities of water. Do not store in a manner where cross-contamination with other pesticides or fertilizers could occur.

**PESTICIDE DISPOSAL:** Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label directions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance

**CONTAINER DISPOSAL (Containers equal to or less than 5 gallons):** Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration. Do not burn, unless allowed by state and local ordinances. Batch Code \_\_\_\_\_

**CONTAINER DISPOSAL (Containers greater than 5 gallons):** Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution for 30 seconds. Stand the container on its end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration. Do not burn, unless allowed by state and local ordinances. Batch Code \_\_\_\_\_

~~WARRANTY—This material conforms to the description on the label and is reasonably fit for the purposes referred to in the directions for use. Timing, method of application, incompatibility with other chemicals, pre-existing conditions and other conditions influencing the use of this product are beyond the control of the seller. Buyer assumes all risks associated with the use, storage, or handling of this material not in strict accordance with directions given herewith. NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR MERCHANTABILITY IS MADE.~~

ACCEPTED  
with COMMENTS  
in EPA Letter Dated  
12 23 2010

**CONDITIONS OF SALE AND LIMITATION OF WARRANTY**

~~AND LIABILITY~~  
Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, this pesticide, registered under EPA Reg. No. 70299-11

**NOTICE:** Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

The Directions for Use of this product should be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury,

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ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather or crop conditions, presence of other materials or other influencing factors in the use of the product, which are beyond the control of BIOSAFE SYSTEMS LLC or Seller. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold BIOSAFE SYSTEMS and Seller harmless for any claims relating to such factors.

BIOSAFE SYSTEMS warrants that this product conforms to the *chemical* description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above when used in accordance with directions under normal use conditions. This warranty does not extend to the use of the product contrary to label instructions, or under abnormal conditions or under conditions not reasonably foreseeable to or beyond the control of Seller or BIOSAFE SYSTEMS, and Buyer and User assume the risk of any such use. BIOSAFE SYSTEMS MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE, NOR ANY OTHER EXPRESSED OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

In no event shall BIOSAFE SYSTEMS or Seller be liable for any incidental, consequential or special damages resulting from the use or handling of this product. THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF BIOSAFE SYSTEMS AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF BIOSAFE SYSTEMS OR SELLER, THE REPLACEMENT OF THE PRODUCT.

BIOSAFE SYSTEMS and Seller offer this product, and Buyer and User accept it, subject to the foregoing Conditions of Sale and Limitation of Warranty and Liability, which may not be modified except by written agreement signed by a duly authorized representative of BIOSAFE SYSTEMS.

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### Optional Label Claims

- SaniDate 5.0 Sanitizer is a versatile cleaner, sanitizer, and broad-spectrum disinfectant for hard, non-porous surfaces.
- SaniDate 5.0 Sanitizer contains no phosphorous.
- SaniDate 5.0 Sanitizer cleans by removing dirt, grime, blood, urine, fecal matter and other common soils found in animal housing facilities, livestock, swine and poultry facilities, grooming facilities, farms, kennels, pet stores, veterinary clinics, laboratories, or other small animal facilities. It (also) eliminates odors leaving surfaces smelling clean and fresh.
- SaniDate 5.0 Sanitizer can be used to disinfect, clean, and deodorize terrarium and small animal cages.
- SaniDate 5.0 Sanitizer is an economical concentrate that can be used with a mop and bucket, trigger spray, sponge, or by soaking.
- SaniDate 5.0 Sanitizer will not leave a grit or soap scum.
- When used as directed, this product will deodorize surfaces in restrooms and toilet areas, behind and under sinks and counters, garbage cans and garbage storage areas, and other places where bacterial growth can cause malodors.
- SaniDate 5.0 Sanitizer inhibits bacterial growth on moist surfaces and deodorizes by killing microorganisms that cause offensive odors. *Not for use in California*
- SaniDate 5.0 Sanitizer is a versatile disinfectant and sanitizer for veterinarian, animal care, animal laboratory, and agricultural and farm premises applications.
- SaniDate 5.0 Sanitizer is approved as a sanitizer in public eating places, dairy processing equipment, and food processing equipment and utensils. A potable rinse is not allowed when used as a sanitizer on food contact surfaces.
- SaniDate 5.0 Sanitizer is for use as a sanitizer on food contact surfaces, food processing equipment and utensils, and as a disinfectant on hard, non-porous surfaces. A potable water rinse is not allowed when used as a sanitizer on food contact surfaces.
- SaniDate 5.0 Sanitizer is for use as a sanitizer in bottling and beverage dispensing equipment.
- SaniDate 5.0 Sanitizer is for use as a sanitizer in sanitary filling of bottles and cans.
- SaniDate 5.0 Sanitizer is for use as a sanitizer in beer fermentation and holding tanks.
- SaniDate 5.0 Sanitizer is for use as a sanitizer in wineries for use on holding tanks, floors, and processing equipment.
- SaniDate 5.0 Sanitizer is for use as a sanitizer in dairy clean-in-place systems.
- Use SaniDate 5.0 Sanitizer to sanitize and disinfect non-porous salon/barber tools and instruments such as combs, brushes, scissors, clippers, trimmers, razors, blades, tweezers, and manicure instruments.
- 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 is an effective anti-microbial cleaner designed for use by wholesale and retail florists, shippers, and in greenhouses.

ACCEPTED  
With COMMENT  
In EPA Letter Date

2/3 2010

SaniDate 5.0 Sanitizer; EPA Reg. No. 70299-11

Label amendment version (5) REDLINE COPY dated September 21, 2009

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Under the Federal Insecticide, Fungicide, and Rodenticide Act, this pesticide is registered under EPA Reg. No. 70299-11

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- When used as directed, SaniDate 5.0 Sanitizer will disinfect hard, non-porous surfaces such as flower buckets, walls, floors, 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 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
- Versatile Sanitizer
- A post harvest treatment for the prevention and control of plant pathogenic diseases on all fruits and vegetables and other agricultural crops in dump tanks, hydro coolers and process waters.
- A treatment for the prevention and control of plant pathogenic diseases on surfaces, equipment and structures used in processing post-harvest commodities.
- Controls the growth of odor-causing and slime forming bacteria
- A treatment for the prevention and control of algae & cyanobacteria in waters
- Easy to use
- Effective over a wide range of pH conditions
- Reduces organic build-up and noxious odors including hydrogen sulfide
- Controls algae blooms
- Controls odors

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- [REDACTED]
- [REDACTED] algae
- [REDACTED]
- May be used in water features containing fish and plants
- Keeps water clean
- [REDACTED]
- Removes algae on contact
- Treats, controls, and prevents algae
- Use on water gardens, ornamental ponds, waterfalls, fountains, or stone water features
- [REDACTED]
- Liquid [REDACTED] for treating water-scapes
- Enhance water's quality and appearance
- [REDACTED] stubborn algae quickly
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- Reduces algae growth
- Inhibits growth of many types of algae
- [REDACTED]
- Will not harm plants
- Contains no metals
- For water with fish
- For pristine water
- For algae-free water
- Begins working immediately
- [REDACTED] algae
- [REDACTED]

Alternative —  
 Fast Acting —  
 Biodegradable —

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