

70299-8

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON D C 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

BioSafe Systems  
22 Meadow St  
East Hartford, CT 06108

Attention Donna Bishel  
Regulatory Manager

MAR 16 2012

Subject Sanidate 12 0 Microbiocide  
EPA Reg No 70299-8  
Amendment Dated December 14, 2011

The amendment referred to above submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended is acceptable, if the following changes are incorporated

- On page 6, under the section **AIR WASHERS**, add the language "odor causing or slime forming bacteria" after the word "control"
- On pages 11 and 12, remove the optional labeling claims "Microbiocide" and "Bacteriacide" The term microbiocide is unqualified While it may be interpreted as a fungicide to treat plant pathogens it also may be interpreted as a bacteriacide to kill public health organisms Additionally the term bacteriacide may be interpreted to kill public health organisms Moreover no efficacy data were submitted to support this product as a bacteriacide against public health organisms nor for non public health claims (such as odor causing or slime forming bacteria)

The Agency has no objection to the other new amendment language you are adding to your label A stamped copy of the label is enclosed for your records

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

Sincerely,

A handwritten signature in black ink that reads "M Swindell".

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

2/13

# SaniDate® 12.0

## Microbiocide

ACCEPTED  
with COMMENTS  
in EPA Letter Dated

### ACTIVE INGREDIENTS

Hydrogen Peroxide	18.5%
Peroxyacetic Acid	12.0%
<b>OTHER INGREDIENTS</b>	<b>69.5%</b>
<b>Total</b>	<b>100.00</b>

MAR 16 2012  
Under 1106  
Fungicide & disinfectant  
a candidate for pesticide  
under EPA Reg No.

70299-8

FOR COMMERCIAL USE ONLY  
**KEEP OUT OF REACH OF CHILDREN**

## DANGER-PELIGRO

*Si usted no entiende la etiqueta busque a alguien para que se la explique a usted en detalle-detalle* (If you do not understand this label, find someone to explain it to you in detail)

### STRONG OXIDIZING AGENT

## PRECAUTIONARY STATEMENTS

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS - DANGER CORROSIVE** Causes irreversible eye damage and skin burns. Do not get in eyes, on skin or clothing. May be fatal if inhaled. Harmful if swallowed. Do not breathe vapor or spray mist. Wear a respirator with an organic vapor removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval 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. 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.

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 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 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>
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.	
<b>NOTE TO PHYSICIAN</b> - Probable mucosal damage may contraindicate the use of gastric lavage	

Sold by BioSafe Systems LLC, 22 Meadow St, East Hartford, CT 06108 (888) 273 3088  
EPA Registration No 70299 8 Batch Code \_\_\_\_\_  
EPA Establishment No 067441 IL 001 68660-TX-00  
Net Contents (30.55, 275 gallons)

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**PHYSICAL AND CHEMICAL HAZARDS**

Strong oxidizing agent Corrosive Do not use in concentrated form Mix only with water according to label instructions Contact of concentrate with other sanitizers cleaners or other material may cause fire

**DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling

This product is not intended as treatment against any public health organism for any use on this label Uses are intended to treat algal and odor causing bacteria

- For use in commercial agricultural and horticultural irrigation water treatment systems
- Treatment of water for industrial and commercial water treatment systems
- Treatment of fruit and vegetable processing waters

The main areas of use include

- Fruit and vegetable processing facilities
- Commercial industrial agricultural and horticultural facilities

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 Fungicide and Rodenticide Act as  
 amended for the pesticide  
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SaniDate® 12 0 works best when diluted with water containing low levels of organic or inorganic materials Thoroughly rinse out tank with water before mixing concentrate SaniDate® 12 0 will readily mix with clean water and does not require agitation

SaniDate® 12 0 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, aluminum, steel, stainless steel, sealed wood, glazed tile, and glass

**CONTROL OF SPOILAGE AND DECAY CAUSING ORGANISMS IN PROCESS WATERS**

SaniDate® 12 0 can be used in water or ice that contacts raw or fresh post harvest or further processed fruits and vegetables for the control of spoilage and decay causing non public health organisms

**TREATMENT OF FRUIT AND VEGETABLE PROCESSING WATERS**

Use SaniDate 12 0 for the treatment of waters used in the processing of raw fruits and vegetables Mix SaniDate 12 0 with water either batch wise or continuously at a rate of 25 6 to 89 6 fl oz of SaniDate® 12 0 solution to 1,000 gallons water This will provide 200 to 700 ppm of SaniDate® 12 0, 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 12 0 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

**POST HARVEST APPLICATIONS**

SaniDate® 12 0 may also be used to control the growth of spoilage and decay causing bacterial and fungal diseases on fruits and vegetables in post harvest storage Mix SaniDate® 12 0 with water either batch wise or continuously at a rate of 25 6 to 89 6 fl oz of SaniDate® 12 0 solution to 1,000 gallons water This will provide 200 to 700 ppm of SaniDate® 12 0 or 24 to 85 ppm 100% peracetic acid in the use solution For post harvest applications, Fruits and vegetables can be sprayed or submerged in the resulting solution for a minimum contact time of 45 seconds, followed by adequate draining

~~SaniDate® 12 0 may also be used to control the growth of spoilage and decay causing bacterial and fungal diseases on fruits and vegetables in post harvest storage For post harvest applications fruits and vegetables can be sprayed or submerged in the resulting solution for a minimum contact time of 30 seconds followed by adequate draining~~

**TREATMENT OF PROCESSED FRUIT AND VEGETABLE SURFACES TO CONTROL GROWTH OF NON PUBLIC HEALTH MICROORGANISMS THAT CAN CAUSE SPOILAGE**

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Add SaniDate® 12 0 at a dilution rate of 4 0 ounces per 100 gallons of water. Ensure that the solution is thoroughly mixed. This provides 59 ppm of hydrogen peroxide and 38 ppm of peroxyacetic acid. Apply the solution as a spray or dip. Allow a minimum contact time of 45 seconds. No rinse following application is needed. This use complies with the requirements of 21 CFR 173.315 (a) (5). A potable water rinse is not required following application of the diluted solution.

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

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

**TREATMENT OF AGRICULTURAL IRRIGATION WATER AND DRAINAGE DITCHES-** Use SaniDate® 12 0 to treat water to suppress / control algae and plant pathogenic bacteria and fungi/oomycetes in agricultural irrigation and drainage water and ditches. To target specific pathogens, apply per 1 000 gallons of water: bacteria, 3 2 – 25 6 fl oz (1 5,000 – 1 40 000 dilution); algae, 6 4 – 25 6 fl oz (1 5,000 – 1 20 000 dilution); or fungi/oomycetes, 8 53 – 25 6 fl oz (1 5 000 – 1 15,000 dilution). Product can be simply added to the body of water as the residual control will allow for even distribution throughout the water column. Allow solution to disperse for five (5) minutes before irrigating. Apply SaniDate® 12 0 as needed to control and prevent algae growth; apply more often in times of higher water temperatures.

**TREATMENT OF AGRICULTURAL IRRIGATION SYSTEMS** Use SaniDate® 12 0 to suppress / control algae, bacteria, and fungi in drip, trickle, irrigation systems, center pivot, lateral move, end tow, side wheel, roll traveler, solid set/overhead sprinklers, hand move, or flood basin irrigation systems. Treat contaminated water at a dilution of 1 1000 – 1 5,000. For shock treatment of irrigation lines, use a dilution rate of 1 1000 – 5 000. Allow solution to remain in lines for 12 – 48 hours. Flush by opening flush valves or laterals to avoid clogging emitters. For maintenance, treat clean water with a dilution of 1 50 000 to 1 100 000 of SaniDate® 12 0 as needed. Allow solution to disperse for five (5) minutes before irrigating. Refer to Chemigation Directions for Use for specific instructions on using this product through irrigation systems.

~~**TREATMENT OF FOLIAR AND SOILBORNE PLANT PATHOGENS/DISEASES-** Use SaniDate® 12 0 as a preventative treatment for suppressing plant pathogens/diseases: *Alternaria* – *Anthracnose* – *Aphanomyces* – Black Spot – *Botrytis* (Grey Mold) – *Plasmopara/Peronospora* (Downy Mildew) – *Erwinia* (Soft Rot) – *Fusarium* (Root Rot) – Leaf Spot – *Phytophthora* (Blights/Rots) – *Pseudomonas* – *Pythium* – *Rhizoctonia* – Rust – Scab – Smut – *Thielaviopsis* – *Uncinula* (Powdery Mildew) – *Xanthomonas* – Wilts & Blights – *Ralstonia solanacearum* (Brown Rot/Bacterial Wilt) – *Sclerotinia sclerotiorum* (White Mold). Use SaniDate® 12 0 as a treatment through the irrigation system, or as a soil treatment at the time of seeding or transplanting, as well as a periodic treatment throughout the plant's life. Multiple applications can be made as there is no mutational resistance with this product.~~

**TREATMENT OF PLANT PATHOGENS AND ASSOCIATED DISEASES (Not approved for use in California)**

**FOLIAR SPRAY/DRENCH/CHEMIGATION FOR CONTROLLING FOLIAR PLANT PATHOGENS**

Use SaniDate® 12 0 to suppress and control foliar plant pathogens and their associated diseases such as – *Alternaria* – *Anthracnose* – *Aphanomyces* – Black Spot – *Botrytis* (grey mold) – Downy Mildew – *Erwinia* – *Fusarium* (root rot) – Leaf Spot – *Phytophthora* (blights) – *Plasmopara* – Powdery Mildew – *Pseudomonas* – *Pythium* – *Rhizoctonia* – Rust – Scab – Smut – *Thielaviopsis* – *Uncinula* (powdery mildew) – *Xanthomonas* – Wilts & Blights. Use SaniDate® 12 0 at a rate of 1 1 000 – 1 5,000 as a foliar spray, drench, or through the irrigation system at the time of seeding or transplanting, as well as a periodic treatment throughout the plant's life. Multiple applications can be made as there is no mutational resistance with this product.

ACCEPTED  
with COMMENTS  
in Final Form Dated

MAR 16

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Furicide and nodectols Act as  
amended for the pesticide,  
registered under EPA Reg No. 70299-8

**SOIL DRENCH/CHEMIGATION FOR CONTROLLING SOILBORNE PLANT PATHOGENS**

Use SaniDate® 12 0 to suppress and control soilborne plant pathogens and their associated diseases such as *Fusarium* (root rot) *Phytophthora* (blight and root rots)- *Pythium Rhizoctonia Ralstonia solanacearum* (brown rot bacterial wilt) *Sclerotinia sclerotiorum* (white mold) *Sclerotium rolfsii Thielaviopsis -Verticillium* Apply SaniDate® 12 0 at a rate of 5 000 – 1 10 000 as a soil drench or through the irrigation system as a soil treatment at the time of seeding or transplanting as well as a periodic treatment throughout the plant s life Multiple applications can be made as there is no mutational resistance with this product Apply in sufficient water for sufficient duration to distribute the application evenly to the treated area Apply to moderately moist soils Follow use directions for Chemigation Do not apply this product through any irrigation system unless the chemigation instructions are followed

NOTE SaniDate® 12 0 can be used on hydroponic growing systems as a foliar treatment when following the label directions for foliar treatments SaniDate® 12 0 can be used as a hydroponic water treatment only after a water sample has been submitted to BioSafe Systems for analysis and special direction is provided for application recommendations Inert growing media in a hydroponic growing system provide special conditions that the grower needs to adjust for due to the unbuffered water conditions Water pH EC and supplements such as fertilizer biological loading and minor elements are factors that need to be considered before determining correct water treatment rates

~~DRENCH/CHEMIGATION - This product is effective as a soil drench for controlling soil borne plant pathogens - Apply SaniDate® 12 0 at a rate of 1 60 000 - Apply in sufficient water for sufficient duration to distribute the application evenly to the treated area - Apply to moderately moist soils - Follow use directions for Chemigation - Do not apply this product through any irrigation system unless the Chemigation Directions for Use are followed~~

**CONTROL OF ALGAL, FUNGAL, AND ODOR CAUSING BACTERIAL GROWTH IN PULP AND PAPER MILL SYSTEMS FOR FOOD AND NON-FOOD CONTACT PAPER**

SaniDate® 12 0 provides an effective means to treat various process waters for slime control Dosage rates should be increased or decreased depending on the control achieved **Maximum usage rate must not exceed 2lbs SaniDate® 12 0 solution per ton (2,000 lbs , dry basis) of pulp or paper produced**

**TREATMENT OF PAPER MACHINE WHITE WATER** - SaniDate® 12 0 may be applied within the white water short circulation loop on the paper machine Apply with either shock intermittent, or continuous dosing Shock doses may be applied for 1 to 2 hours as necessary whereas intermittent doses are applied 1 to 12 times per day for a duration of 5 to 60 minutes each For either shock or intermittent dosing apply 2 5 to 102 fl oz of SaniDate® 12 0 per 1000 gallons of white water producing a peak concentration of 20 to 100 ppm of SaniDate® 12 0 during dosing This is approximately equivalent to a peak dose of 2 to 100 ppm 100% peracetic acid For continuous dosing apply 2 5 to 25 fl oz of SaniDate® 12 0 to 1000 gallons of process water producing a peak concentration of 20 to 200 ppm of SaniDate® 12 0 This is approximately equivalent to 2 to 25 ppm 100% peracetic acid

**CATALASE CONTROL IN DEINKING WATER LOOPS** SaniDate® 12 0 may be applied to the inlet lines going to deinking water storage following clarification Apply with either shock, intermittent, or continuous dosing Shock doses may be applied for 10 to 60 minutes as necessary Apply 1 7 to 4 2 gallons SaniDate® 12 0 per 1000 gallons recirculation water, producing a peak concentration of 1700 to 4200 ppm SaniDate® 12 0 during dosing This is approximately equivalent to a peak dose of 200 to 500 ppm 100% peracetic acid For intermittent doses apply 1 to 12 times per day, for a duration of 10 to 60 minutes Apply 0 8 to 2 1 gallons SaniDate® 12 0 per 1000 gallons of water, producing a peak concentration of 800 to 2100 ppm of SaniDate® 12 0 during dosing This is approximately equivalent to a peak dose of 100 to 250 ppm 100% peracetic acid For continuous dosing apply 0 2 to 1 4 gallons SaniDate® 12 0 to 1000 gallons of process water, producing a peak concentration of 200 to 1400 ppm of SaniDate® 12 0 This is approximately equivalent to 25 to 170 ppm 100% peracetic acid

**TREATMENT OF RAW AND PROCESS WATER** SaniDate® 12 0 may be applied to water at the inlet of the process water system or any other suitable point Apply with either shock, intermittent, or continuous

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dosing Shock dosing may be applied for a duration of 1 to 2 hours as necessary whereas intermittent dosing is applied for 2 to 15 minutes, 4 to 100 times per day For either shock or intermittent dosing apply 0.16 to 0.8 gallons SaniDate® 12.0 per 1,000 gallons of water producing a peak concentration of SaniDate® 12.0 of 160 ppm to 800 ppm during dosing This is approximately equivalent to a peak dose of 20 to 100 ppm 100% peracetic acid For continuous dosing applications, apply 0.01 to 0.3 gallons SaniDate® 12.0 to 1,000 gallons of water, producing a peak concentration of 10 to 300 ppm of SaniDate® 12.0 This is approximately equivalent to 1 to 36 ppm 100% peracetic acid

**CONTROL OF ALGAL, FUNGAL, AND ODOR CAUSING BACTERIAL GROWTH FOR NON-FOOD CONTACT PAPER USES**

**TREATMENT OF STARCH USED FOR SIZING ON THE PAPER MACHINE** Apply SaniDate® 12.0 directly to the starch storage tank or through the recirculation loop Apply with either shock, intermittent, or continuous dosing Shock doses may be applied for 1 to 2 hours, whereas intermittent doses may be applied for 5 to 60 minutes up to 12 times per day For either shock or intermittent dosing apply 0.8 to 5 gallons SaniDate® 12.0 per 1,000 gallons of starch solution to achieve 100 to 600 ppm 100% peracetic acid For continuous dosing applications apply 0.08 to 1.7 gallons SaniDate® 12.0 per 1,000 gallons of starch solution producing a peak concentration of approximately 10 to 200 ppm 100% peracetic acid

**TREATMENT OF CLAYS USED AS COATINGS AND FILLERS ON THE PAPER MACHINE** Applications may be made at the recirculation loop or directly to the agitated slurry storage tank Apply with either shock, intermittent, or continuous dosing Shock doses may be applied for 1 to 2 hours as necessary whereas intermittent doses may be applied for 5 to 60 minutes 1 to 12 times per day For either shock or intermittent dosing apply 5.12 to 102 fl oz SaniDate® 12.0 to 1,000 gallons clay slurry solution producing a peak concentration of approximately 50 to 100 ppm 100% peracetic acid For continuous dosing applications, apply 5.12 to 102 fl oz SaniDate® 12.0 to 1,000 gallons of process water, producing a peak concentration of 5 to 100 ppm 100% peracetic acid

**COATINGS PRESERVATION** - SaniDate® 12.0 can be used as an in container preservative for the control of bacteria and fungi in water based coatings such as paper coatings Add 12.8 to 89.6 fl oz of SaniDate® 12.0 solution to 1,000 gallons water This will provide 100 to 700 ppm of SaniDate® 12.0 or 12 to 85 ppm 100% peracetic acid

**TREATMENT OF DISPERSED PIGMENTS** SaniDate® 12.0 can be used in the control of bacteria and fungi in the manufacture and storage of dispersed pigments such as kaolin clay, titanium dioxide calcium carbonate, calcium sulfate, barium sulfate, magnesium silicate and kieseguhr used in paint and paper production Add 0.12 to 0.6 lb of SaniDate® 12.0 to each 1,000 lbs of fluid This will provide 120 to 600 ppm of SaniDate® 12.0 or 15 to 70 ppm 100% peracetic acid

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

**TREATMENT OF RAW AND PROCESS WATER** (such as heat exchanger system water boiler water, wet scrubber water) SaniDate® 12.0 may be applied to water at the inlet of the water system or any other suitable point Apply with either shock intermittent or continuous dosing Shock dosing may be applied for a duration of 1 to 2 hours, as necessary whereas intermittent dosing is applied for 2 to 15 minutes, 4 to 100 times per day For either shock or intermittent dosing apply 0.16 to 0.8 gallons SaniDate® 12.0 per 1,000 gallons of water producing a peak concentration of SaniDate® 12.0 of 160 ppm to 800 ppm during dosing This is approximately equivalent to a peak dose of 20 to 100 ppm 100% peracetic acid For continuous dosing applications apply 1.3 to 38.4 fl oz SaniDate® 12.0 to 1,000 gallons of water, producing a peak concentration of 10 to 300 ppm of SaniDate® 12.0 This is approximately equivalent to 1 to 35 ppm 100% peracetic acid

**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

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with COMMENTS  
in EPA Letter dated  
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Under the Fungicide and Disinfectant Act as amended for the purpose of registered under Act No 70299-8



SaniDate® 12 0 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 Allow surfaces to stay wet with solution for a minimum of five (5) minutes Heavy growths of algae and fungi may have to be scrubbed off following application Repeat treatment as required to maintain control

**TREATMENT OF GREENHOUSE EVAPORATIVE COOLERS** – Treat contaminated surfaces with a dilution of 1 600 of SaniDate® 12 0 Allow surfaces to stay wet with solution for a minimum of five (5) minutes For maintenance, treat cooler water once a week with a dilution of 1 2,000 of SaniDate® 12 0 for every gallon of cooling water

**TREATMENT OF GREENHOUSE IRRIGATION SYSTEMS AND NON-POTABLE WATERS** (such as flooded floors, flooded benches recycled water systems, drip trickle capillary mats sprinkler systems humidification and misting systems) Use SaniDate® 12 0 to treat irrigation systems and water to suppress / control algae slime forming bacteria, fungi and plant pathogenic organisms For shock treatment of irrigation lines, use a dilution rate of 1 5,000 of SaniDate® 12 0 oz per gallon of water Allow solution to remain in lines for 12 48 hours Flush by opening flush valves or laterals to avoid clogging emitters To target specific pathogens apply per 1,000 gallons of water bacteria- 3 2 – 25 6 fl oz (1 5 000 – 1 40 000 dilution) algae- 6 4 25 6 fl oz (1 5,000 – 1 20 000 dilution) or fungi/oomycetes 8 3 – 25 6 fl oz (1 5 000 – 1 15 000 dilution) For maintenance treat clean water with a dilution of 1 50 000 to 1 100 000 of SaniDate® 12 0 as needed

**CHEMIGATION**

**General Requirements -**

- 1) Apply this product only through a drip system or sprinkler system including flood and drip (trickle) irrigation systems
- 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

ACCEPTED with COMMENTS in EPA Letter Dated

MAR 16 2012 Under Fungicide amend registered

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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
- 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 fitted 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

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- 2) 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
  - 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
- 4) Do not apply SaniDate 12 0 in conjunction with any other pesticides or fertilizers this has the potential to cause reduced performance of the product Avoid application in this manner

<b>STORAGE AND DISPOSAL</b> Do not contaminate water, food, or feed with storage or disposal
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ACCEPTED  
 with COMMENTS  
 in EPA Letter Dated:

MAR 16 2012  
 SaniDate® 12 0, EPA Reg No 70299-8  
 Label version (12) dated December 14 2011  
 Amendment  
 Page 9 of 12

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended for the most side registered under EPA Reg No. 70299-8

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**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 increased degradation of the product which will decrease product effectiveness In case of spill flood area with large quantities of water

**Pesticide Disposal** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility Open dumping is prohibited If wastes cannot be disposed of 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 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 ¼ 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 Offer for recycling if available

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with COMMENTS  
in EPA Letter Dated:  
MAR 16 2012  
Under the Fungicide Insecticide Act as amended for the pesticide registered under EPA Reg No 70299-8

**CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY**

**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 must be followed carefully It is impossible to eliminate all risks inherently associated with the use of this product Crop injury, 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 TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, 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

To the extent consistent with applicable law 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 TO

THE EXTENT CONSISTENT WITH APPLICABLE LAW, 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

Optional Label Claims

- ~~Easy to use~~
- Easy to use
- Activated Peroxygen chemistry
- Contains no phosphates
- Deodorizes
- Leaves no residue
- Scent free
- Chlorine free
- Treats and controls mold and mildew
- Controls algae
- Control algal and fungal growth
- Controls odor causing bacteria
- Controls slime forming bacteria
- Control plant pathogenic organisms
- Controls spoilage and decay causing organisms in fruit and vegetable processing waters
- Controls odors
- SaniDate 12 0 is an economical concentrate that can be used with a mop and bucket trigger spray sponge or by soaking
- SaniDate 12 0 will not leave a grit or soap scum
- When used as directed, this product will deodorize surfaces in places where bacterial growth can cause malodors

**ACCEPTED**  
**with COMMENTS**  
**in EPA Letter Dated**

MAR 16 2012  
 Under the Fungicide act amended registered under EPA Reg No 70299-8

- SaniDate 12 0 inhibits bacterial growth on moist surfaces and deodorizes by controlling microorganisms that cause offensive odors *Not for use in California*
- SaniDate 12 0 inhibits bacterial growth on moist surfaces and deodorizes by killing microorganisms that cause offensive odors
- SaniDate 12 0 is a concentrate formulation designed for use in commercial institutional and industrial operations
- SaniDate 12 0 controls the growth of odor causing and slime forming bacteria
- SaniDate 12 0 is formulated to effectively eliminate offensive odors caused by mold and mildew
- SaniDate 12 0 can be used in agricultural irrigation water
- SaniDate 12 0 can be used in greenhouse irrigation water
- Use SaniDate 12 0 in cooling water systems
- For control of algal fungal slime forming bacterial growth
- Use SaniDate 12 0 on greenhouse surfaces
- 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
- Industrial Waste Treatment
- Oil Field Treatments
- Controls foliar plant pathogens
- Controls soil borne plant pathogens
- For use in food processing operations
- Post harvest treatment
- A post harvest treatment for the prevention and control of plant pathogenic diseases on fruits and vegetables
- Controls spoilage and decay causing organisms on fruits and vegetables
- ~~XXXXXXXXXX~~ Fungicide

**ACCEPTED**  
**with COMMENTS**  
**in EPA Letter Dated**  
**MAR 16 2012**

Under the name Insert name  
 Fungicide a ~~adjuvant~~ ~~active~~ ~~ingredient~~  
 amended to the pesticide  
 registered under EPA Reg No.  
 70299-8