

# SaniDate® 12.0

## Microbiocide

**ACTIVE INGREDIENTS:**

Hydrogen Peroxide.....18.5%

Peroxyacetic Acid.....12.0%

**OTHER INGREDIENTS:**.....69.5%**Total:**.....100.00**ACCEPTED**

MAR 14 2007

Under the Federal Insecticide, Fungicide, and  
Rodenticide Act as amended, for the  
pesticide, registered 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. (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.	

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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**

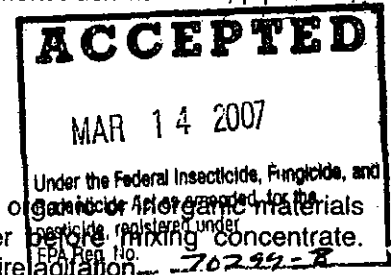
It is a violation of Federal law to use this product in a manner inconsistent with its labeling

This product is not intended as treatment against any public health organism for any use on this label.

- For use in commercial agricultural and horticultural irrigation water treatment applications
- Treatment of water for industrial and commercial water treatment systems
- Treatment of hard, nonporous food contact surfaces and equipment such as tanks, pipelines, evaporators, filters

The main areas of use include :

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



SaniDate® 12.0 works best when diluted with water containing low levels of organic and inorganic materials and water having a neutral pH. Thoroughly rinse out tank with water before mixing concentrate. SaniDate® 12.0 will readily mix with clean, neutral water and does not require agitation.

**CONTROL OF ALGAL, FUNGAL, AND 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 0.02 to 0.8 gallons SaniDate® 12.0 per 1000 gallons of white water, producing a peak concentration of 20 to 800 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 0.02 to 0.2 gallons 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 Proxitane® WW-12 to 1000 gallons of process water, producing a peak concentration of 200 to 1400 ppm of Proxitane® WW-12. 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 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 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 0.4 to 0.8 gallons 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 0.04 to 0.8 gallons SaniDate® 12.0 to 1,000 gallons of process water, producing a peak concentration of 5 to 100 ppm 100% peracetic acid.

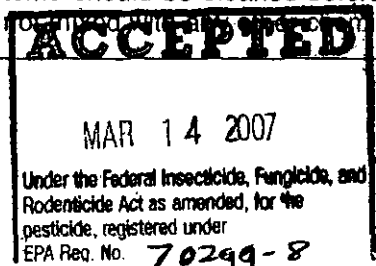
**COATINGS PRESERVATION** - SaniDate® 12.0 can be used as an in-container preservative for the control of bacteria and fungi in water-based coatings such as paper coatings. Add 0.1 to 0.7 gallons of SaniDate® 12.0 solution to 1,000 gallons water. This will provide 100 to 700 ppm of SaniDate® 12.0, or 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 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 0.01 to 0.3 gallons SaniDate® 12.0 to 1,000 gallons of water, producing a peak concentration of 10 to 300 ppm 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. SaniDate® 12.0 should be added to the system directly and not mixed with other chemicals or additives. Contamination with other chemicals



could result in lack of efficacy. Add SaniDate® 12.0 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 0.01 to 0.07 gallons of SaniDate® 12.0 solution per 1,000 gallons of water. This will provide 10 to 70 ppm of SaniDate® 12.0, or 1 to 9 ppm of 100% peracetic acid. Repeat treatment as required to maintain control.

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

**TREATMENT OF GREENHOUSE SURFACES AND EQUIPMENT** (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 1:600 of 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. 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. 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** (such as flooded floors, flooded benches, recycled water systems, capillary mats, humidification and misting systems) – Treat contaminated water with a dilution of 1:5,000 of SaniDate® 12.0. For maintenance, treat clean water with a dilution of 1:50,000 to 1:100,000 of SaniDate® 12.0 as needed.

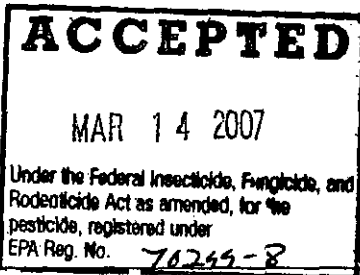
**STORAGE & DISPOSAL**

**DO NOT CONTAMINATE WATER, FOOD OR FEED BY STORAGE OR DISPOSAL**

**STORAGE:** Store in original vented container in a dry location away from heat and out of direct sunlight. In case of fire involving product, use water. In case of large quantities of spilled material, dike with sand or earth. Dilute with large quantities of water.

**PESTICIDE DISPOSAL:** Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide spray mixture or rinsate is a violation of Federal law. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, or public waters unless the components of this product are specifically identified and addressed in a NPDES permit. Do not discharge effluent containing this product into sewer systems without previously notifying the sewage plant authority. For additional information, refer to the product Material Safety Data Sheet.

**CONTAINER DISPOSAL:** (Plastic Containers 30, and 55 gallon drums): Triple rinse (or equivalent) then offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill or incineration or, if allowed by state and local authorities, by burning. If burned, stay out of smoke. (For 275 gallon totes) Triple rinse (or equivalent). Then dispose of in a sanitary landfill or by other approved state and local procedures.



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Sold by:  
BioSafe Systems  
36 Commerce Street  
Glastonbury, CT 06033

EPA Reg. No. 70299-8  
EPA Establishment No. 60156-IL-001

Lot No.: XXXX  
24 Hour Emergency (281) 479-2826  
For Transport Emergency call CHEMTREC (800) 424-9300

Net Contents: XX Gallons (XXlbs.)  
Weight per gallon: 9.26 lbs.  
Expiration: MM/DD/YY

**ACCEPTED**  
MAR 14 2007  
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Rodenticide Act as amended, for the  
pesticide, registered under  
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