70299-8

11/17/2006

AND REAL OF THE REAL PROPERTY	U.S. ENVIRONMENTAL PROTECTION AGENCY Office of Pesticide Programs	EPA Reg. Date Number: Issue 70299-8	of nce:	
Carry PROTECT	1200 Pennsylvania Avenue NW Washington, D.C. 20460	Term of Issuance: Conditional	Term of Issuance: Conditional	
	NOTICE OF PESTICIDE: Registration Reregistration	Name of Pesticide Pro SaniDate® 12.0 Microbiocide	oduct:	
under FIFRA,	as amended)			
uite 1000 ashington, DC	20036			
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EPA Form 8570-6

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Page 2 EPA Reg. No. 70299-8

- b. Under the *Caution Word* section (Danger), include the following language for Hispanic workers: "PELIGRO Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detaile. (If you do not understand this label, find someone to explain it to you in detail)".
- c. Under the *Directions For Use* section, in the third bulleted statement, delete the wording "and pasteurizers". The products that you specified as a me-too do not include this terminology.
- **d.** Under the *Directions For Use* section, in the fourth bulleted statement, delete the wording "/packing plants" and insert the wording "facilities". The products that you specified as a me-too do not include references to packing houses.
- e. Under the *Directions For Use* section, in the fifth bulleted statement, the word "agriculture" is misspelled.
- f. Under the *Directions For Use* section, delete the last paragraph in its entirety that begins with the statement "SaniDate® 12.0 can be applied...". The products that you specified to me-too do not include the directions that you are proposing.
- g. On page 2 of the proposed label, with the heading "CONTROL OF ALGAL, FUNGAL, AND BACTERIAL GROWTH IN PULP AND PAPER MILL SYSTEMS FOR FOOD AND NON-FOOD CONTACT PAPER" delete the wording "Algal, Fungal" and replace it with "slime forming algae". In the same heading, after the wording "Bacterial Growth", add the wording "that causes odor".
- h. On page 3 of the proposed label, with the heading, "CONTROL OF ALGAL, FUNGAL, AND BACTERIAL GROWTH FOR NON-FOOD CONTACT PAPER USES", delete the wording "Algal, Fungal" and replace it with "slime forming algae". In the same heading, after the wording "Bacterial Growth", add the wording "that causes odor".
- i. On page 3 of the proposed label, with the heading, "CONTROL OF ALGAL, FUNGAL, AND BACTERIAL GROWTH IN INDOOR, CLOSED LOOP, NON-POTABLE, NON-FOOD CONTACT WATER SYSTEMS", delete the wording "Algal, Fungal" and replace it with "slime forming algae". In the same heading, after the wording "Bacterial Growth", add the wording "that causes odor".
- j. On page 3, under the section titled "Treatment of Raw and Process Water", in the parenthetical statement, delete the reference "etc".
- **k.** On page 4, under the section titled "Treatment of Cooling Water Systems" in the parenthetical statement, delete the reference "etc".
- 1. On page 4 of the proposed label, with the heading, "CONTROL OF ALGAL, FUNGAL, AND BACTERIAL GROWTH ON GREENHOUSE AND PACKING HOUSE SURFACES AND FOOD WATER SYSTEMS AND ON OTHER

2

IRRIGATION AND DRAINAGE WATER AND DITCHES, delete the wording "Algal, Fungal" and replace it with "slime forming algae". In the same heading, after the wording "Bacterial Growth", add the wording "that causes odor". Also, after the word "GREENHOUSE", add the wording "WATERING SYSTEMS. In addition, delete the wording "AND PACKING HOUSE SURFACES AND FOOD CONTACT WATER SYSTEMS, AND ON OTHER IRRIGATION AND DRAINAGE WATER AND DITCHES". The products that you specified as a me-too do not include these use sites.

- m. On page 4, under the section titled "Treatment of Greenhouse Surfaces and Equipment" delete the following sentence: "Use a dilution of 1:300 (or ½ fl. oz.) of SaniDate® 12.0 for treatment of all soiled surfaces, porous surfaces or non-porous surfaces that have not been pre-cleaned". The products that you specified as a me-too do not include this statement and does not reference uses for porous surfaces.
- **n.** On page 4, under the section titled "**Treatment of Greenhouse Surfaces and Equipment**" delete the following statement: "until thoroughly wet". Insert the following language in its place: "to thoroughly wet all surfaces".
- **o.** On page 4, under the section titled "**Treatment of Greenhouse Evaporative Coolers**" in the last sentence, add the following language after 12.0: "for every gallon of cooling water".
- p. On pages 4 and 5, delete the following sections in its entirety: "Treatment of Greenhouse Misting Systems", "Treatment of Greenhouse Potting Soil and Growing Media Prior to Planting", "Treatment of Packing House Surfaces and Equipment", "Treatment of Packing House Watering Systems", "Treatment of Other Irrigation and Drainage Water, and Ditches", and the "Notes" section at the end. The products that you specified as a me-too do not include these use sites or use directions.

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

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

Marshall Simindell

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

3

Enclosure: (Stamped Label)

SaniDate[®] 12.0

ACTIVE INGREDIENTS:

Hydrogen Peroxide	18.5%
Peroxyacetic Acid	12.0%
OTHER INGREDIENTS:	69.5%
Total:	100.00



FOR COMMERCIAL USE ONLY KEEP OUT OF REACH OF CHILDREN DANGER

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		
If in eyes	 Hold eye open and rinse slowly and gently with water for 15 – 20 minutes. 	
	• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing	
	eye.	
	Call a poison control center or doctor for treatment advice.	
if on skin or	Take off contaminated clothing.	
clothing	 Rinse skin immediately with plenty of water for 15 – 20 minutes. 	
	Call a poison control center or doctor for treatment advice.	
If inhaled	Move person to fresh air.	
	• If person is not breathing, call 911 or an ambulance, then give artificial respiration,	
	preferably mouth-to-mouth if possible.	
	Call poison control center or doctor for treatment advice.	
If swallowed	Call poison control center or doctor immediately for treatment advice.	
	 Have person sip a glass of water if able to swallow. 	
	• Do not induce vomiting unless told to do so by the poison control center.	
	Do not give anything by mouth to an unconscious person.	
Have the product container or label with you when calling a poison control center or doctor, or going for		
treatment.		
You may also contact 1-800-222-1222 for emergency medical treatment information.		
NOTE TO PHYSICIAN - Probable mucosal damage may contraindicate the use of gastric lavage.		

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
- Treatment of hard, nonporous food contact surfaces and equipment, sectors in evaporators, filters, and pustoarized.

The main areas of use include :

- Fruit and vegetable processing packing plants
- Commercial agreicultural and horticultural facilities



SaniDate[®] 12.0 works best when diluted with water containing low levels of organite of 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.

SahiDate[®] 12.0 can be applied as a foam reatment to enhance contact on porous surfaces, vertical surfacer, and irregular surfaces such as pletal grating and structural steer where contact is difficult to maintain with coarse shay treatments. For a foaming agent to the spray tank that contains the diluted SanDate[®] 12.0 solution. Apply foam until the surface reated iscompletely covered. Allow foam treated surface to air dry. Do not ruse.

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

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 ELMENT MO 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, etc.) - 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

NOV 17 2006 Under the Federal Insecticide, Aunglichte, and 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, **thins**) Severely fouled systems should be cleaned before treatment. SaniDate[®] 12.0 should be added to the system directly and not mixed with any 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 ALCAL FUNCTION BACTERIAL GROWTH ON GREENHOUSE AND BACKING

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. Use a dilution of 1:300 (or 1/2 fl. oz.) of SaniDate[®] 12.0 for treatment of all soiled surfaces, porous surfaces or non-porous surfaces that have not been pre-cleaned. Apply solution with mop, sponge, power sprayer or fogger until thoroughly wet. 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.

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 of SaniDate[®] 12.0 as needed.

TREATMENT OF GREENHOUSE ISTING S STEMS 12.0 into dilution Ete for SaniDa nising systems at a 1:5.0 fluce ion to a dilu of 1:15 $5\,00$ Jate concer ma hout ig system use mist

EENHOUSE POTTING SOIL AND GROWING MEDIA PRIC T OF G IREAT n p **INC** Use Sar il and growing predia drepch pri seedir trar lution of lse a ate® 12.0 before er gallon as a drep 1:1. to pla or wateri

ENC OF PACKING YOU'SE SURFACES AND EQUIP TREAT ÏENT 2.0 to all quintment-dound in commercial packinghouses cludin su and crutes. vors, storabes, walks, process conta conve Noors, ar hes. Cl bre tment. nd remove Swe all plant debris. and use power sprayer to wash al se dirt. 5p urfaq 12.0 for Us tion 1:600 of SaniDate al non-porous sur aces ve b d with a dil bre .300 (or) er. Use ilution of /2 fl. oz.) o aniDate 2.0 for trea s, borous ment Silec porous surfaces that have not been pre-cleaned. Ap solution faces sponge, bower with mop



TREATMENT OF BACKING HOUSE WATER SYSTEMS Salvidate® have may be added to water at the inlet of the water system or any other suitable point

For bach systems with no makeup water added:

Fit vessel containing huits or vegetables with known amount of water. Add SabiDate 2,010 a range of 20,000 ppm active ingredient or 2,05 to 10,24 oz. per 100 gallors of water. Maintain residual as required. Contact time of 45 seconds is recommended.

For continuous dose systems:

(to bi intulating process water up the re osed level of SaniBate to a o≀ Ith know am culat ng redien active in of Date 1 O to a ra he of 2 00 pph 0 ppm ctive in dien me a be the sys ons p requi rate Conta 10.24 or of Sanipate 12 t time of 45 sec onds

BRIGATION AND DRAIN 12.0 aniD ate **K**er flow f ho fitrol w are Dre at tin disr event algae gr wth; ap limes lv moi freaue ater emperatures

NOTES:

This product in tits use concentrations is compatible with striness steel and duminum surfaces. If product is intended to be used on any other surface, it is recommended that product be applied to a smaller testarea to determine compatibility before proceeding withins use. For all opplications, to ensure effectiveness of nonceture unused portion of Sanibate® solution to orginal containent-alspace of unused solution - do not reuse solution on case ordilation priority use always repare fresh solution daily.

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 (300 gallon tote) and Stainless Steel Containers (300 gallon tote, 4500 gallon tank trucks, 20,000 gallon railcars): Return for reuse. Plastic Containers (1 pint, 1 quart, and 1,5,30, 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. Glass Containers (1 pint, 1 quart, and 1 gallon): Triple rinse (or equivalent). Then dispose of in a sanitary landfill or by other approved state and local procedures.



NOV 1 7 2006 Under the Federal Instaticide, Fundicide, and Rodenticide, Act as amended, for the necticide, anticeast surfar SaniDate[®] 12.0; pending as EPA File. No. 70299-I Label version (2) dated October 31, 2006 MASTER LABEL –revised for registration Page 5 of 6

Label version (2) dated October 31, 2006 MASTER LABEL –revised for registration Page 6 of 6 Sold by: BioSafe Systems 36 Commerce Street Glastonbury, CT 06033

EPA Registration No. 70299-X 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 (XXIbs.) Weight per gallon: 9.26 lbs. Expiration: MM/DD/YY

99

NOV 1 7 2006 Under the Federal Insecticide, Fungicide The Rodenticide, Act as amended, for the pesticide, registered under ERA Reg. No. 70299-8