 <p style="text-align: center;">U.S. ENVIRONMENTAL PROTECTION AGENCY Office of Pesticide Programs Registration Division (H7505C) 401 "M" St., S.W. Washington, D.C. 20460</p> <p style="text-align: center;"><b>NOTICE OF PESTICIDE:</b> <u>  x  </u> Registration <u>    </u> Reregistration  (under FIFRA, as amended)</p>	EPA Reg. Number:	Date of Issuance:
	70627-53	JUL 11 2005
	Term of Issuance: Conditional	
Name of Pesticide Product:		Divosan XY
Name and Address of Registrant (include ZIP Code): JohnsonDiversy, Inc. 8310 16 <sup>th</sup> Street P.O. Box 902 Sturtevant, WI 53177-0902		
Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.		
On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.  Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.		
<p style="text-align: center;">This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:</p> <ol style="list-style-type: none"> <li>1. Submit and/or cite all data required for registration/ reregistration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.</li> <li>2. Make the following label changes: <ol style="list-style-type: none"> <li>a. Revise the EPA Registration Number to read, "EPA Reg. No. "70627-53".</li> </ol> </li> </ol>		
Signature of Approving Official: Marshall Swindell, PM 33 Regulatory Management Branch 1 Antimicrobial Division (7510C)	Date:  JUL 11 2005	

Page 2

EPA Registration No. 70627-53

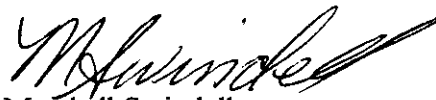
The revised Basic Confidential Statement of Formula dated April 14, 2005 is in compliance with PR Notice 91-2, agrees with the label and is acceptable.

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.

If you have any questions concerning this letter, please contact Martha Terry at (703) 308-6217.

Sincerely,



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

Enclosure

(Note to Agency: Text appearing in parenthesis or brackets is done to show optional text.

JohnsonDiversey

Clean is just the beginning



ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

JUL 11 2005

**DIVOSAN XY**

(Liquid) (Sanitizer)

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

70627-53

For (Commercial) (Industrial) (&) (Institutional) Use (Only)

<b>ACTIVE INGREDIENTS:</b>	
Peroxyacetic acid.....	5.2%
Hydrogen Peroxide.....	13.4%
<b>OTHER (INERT) INGREDIENTS:</b> .....	81.4%
<b>TOTAL:</b> .....	100.00%

**KEEP OUT OF REACH OF CHILDREN  
DANGER**

**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.

**IF ON SKIN OR CLOTHING:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes.

**IF SWALLOWED:** Call a poison control center or doctor immediately for treatment advice. Have a person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

**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.

**IN CASE OF EMERGENCY, CALL A POISON CONTROL CENTER OR DOCTOR FOR TREATMENT ADVICE.  
1-800-851-7145**

Have the product container or label with you when calling a Poison Control Center or doctor or going in for treatment.

**Note to Physician:** Probable mucosal damage may contraindicate gastric lavage.

See additional precautionary statements on (back) (side) (left) (right) (panel) (of) (label) (below).

**Not for sale or use after (fill in date 6 months from date of manufacture).**

Net Contents:

Product of U.S.A.

(Note to Agency: Text appearing in parenthesis or brackets is done to show optional text.

See reference sheet (enclosed in each case) for (a completed list of organisms) (additional (features) (claims) (directions for use)) (for this product).

**(MARKETING FEATURES)**

DIVOSAN XY is for sanitizing of previously cleaned, food contact surfaces in: Dairies, Wineries, Breweries and Beverage Plants, Meat and Poultry Processing/Packaging Plants, Milk and Dairy Products Processing/Packing Plants, Seafood and Produce Processing/ Packing Plants, Food Processing/Packing Equipment Surfaces, Egg Processing/Packing Equipment Surfaces, Eating Establishments.

DIVOSAN XY is for sanitizing of previously cleaned, food contact surfaces such as: eating, drinking and food preparation utensils, countertops and food preparation surfaces, tableware, plastic, glass and metal bottles (rinse).

DIVOSAN XY is for use as a coarse spray for surfaces to be sanitized or disinfected.

DIVOSAN XY is for use in fogging applications as an adjunct to acceptable manual cleaning and disinfecting of room surfaces.

DIVOSAN XY is for use as an antimicrobial rinse to control beverage spoilage microorganisms.

DIVOSAN XY is used for treating (or microbial control in) closed and opened loop systems such as Evaporative Condensers, Dairy Sweetwater Systems, Hydrostatic Sterilizers, Cooling Canals, Pasteurizers, Tunnel Coolers and Warmers, and Closed Once Through Cooling Systems. This product is not intended for once-through or recirculating cooling tower systems.

DIVOSAN XY is effective as a sanitizer when use-solution is prepared in water of up to 500 ppm hardness as CaCO<sub>3</sub>.

DIVOSAN XY is an effective one-step cleaner/disinfectant against gram positive and negative bacteria (vegetative forms) such as *Staphylococcus aureus*, *Salmonella choleraesuis*, *Pseudomonas aeruginosa*, and may be used in general commercial and medical environments to clean, disinfect, and deodorize hard, non-porous inanimate surfaces, 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, exterior surfaces of refrigerators and coolers, glazed tile, linoleum, glazed porcelain, use sites on this label made of vinyl, plastic (such as polypropylene and polyethylene), stainless steel or glass. Areas of use in hospitals, surgical and obstetrical suites; operating tables, housekeeping services; physical therapy departments; nursing homes, health care facilities, autopsy facilities, pharmaceutical and chemical processing 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, kennels, kennel runs, cages, feeding and watering equipment, pet shops, zoos, pet animal quarters, poultry premises, trucks, hatcheries, and live stock quarters.

DIVOSAN XY is for use in the disinfection of hard, non-porous surfaces in general commercial and medical environments such as: Hospitals, Health Care Facilities, Veterinary Hospital/Clinics, Animal Life Science Labs, Pharmaceutical Facilities and Equipment, Schools, Colleges, Recreational Facilities, Office Buildings, Livestock Premises, Poultry Premises, Poultry Hatcheries, Animal Housing Facilities, Retail and Wholesale Establishments, Bathroom Premises.

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:  
JUL 11 2005

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act as  
amended, for the pesticide,  
registered under EPA Reg. No.  
70627-53

## DIRECTIONS FOR USE:

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

**NOTE:** FOR MECHANICAL OPERATIONS, prepared use-solutions may not be reused for sanitizing or disinfecting but may be reused for other purposes such as cleaning. FOR MANUAL OPERATIONS, fresh sanitizing or disinfecting solutions should be prepared at least daily or more often if the solution becomes diluted or soiled.

### Sanitizing Hard, Non-Porous Food Contact Surfaces and Equipment

DIVOSAN XY is an effective sanitizer for use on food-contact surfaces against *Staphylococcus aureus*, *Escherichia coli*, and *Salmonella typhi* and *Listeria monocytogenes*.

1. Prior to sanitization, remove gross particulate matter with a warm water flush, then wash equipment with detergent or cleaning solution and follow with a potable water rinse.
2. Prepare the sanitizing use-solution by adding 1.0 to 1.7 fluid oz. of product to 5 gallons of water. If sanitizing against *Listeria monocytogenes*, prepare the sanitizing use-solution by adding 1.2 to 1.7 fluid oz. of product to 5 gallons of water.
3. Apply sanitizing solution by immersion, coarse spray, mop, wipe, flood techniques or circulation techniques as appropriate to the equipment or surface to be treated. Allow a contact time of at least one (1) minute. If sanitizing at temperatures 5°C (40°F) or lower, use 1.7 fluid oz. of product to 5 gallons of water.
4. Allow surfaces to drain thoroughly and air dry before resuming operation. Do not rinse.

### Sanitizing Eating, Drinking and Food Prep Utensils

DIVOSAN XY is an effective sanitizer in eating establishments against *Staphylococcus aureus*, *Escherichia coli*, *Salmonella typhi*, and *Listeria monocytogenes*.

1. Prior to sanitization, remove gross filth particles by a prescrape, preflush and, when necessary a presoak treatment.
2. Wash all items with a detergent.
3. Rinse thoroughly with potable water.
4. Prepare the sanitizing use-solution by adding 1.0 to 1.7 fluid oz. of product to 5 gallons of water. If sanitizing against *Listeria monocytogenes*, prepare the sanitizing use-solution by adding 1.2 to 1.7 fluid oz. of product to 5 gallons of water.
5. Immerse all items for at least 1 minute or for a contact time as specified by the local governing sanitizing code.
6. Place all sanitized items on a rack or drainboard to drain adequately. Air dry if items will not be reused immediately. Do not rinse.

### Sanitizing Tableware

For sanitizing tableware in low to ambient temperature warewashing machines, inject a use-solution of product (1.0 to 1.7 fluid oz. per 5 gallons of water) into the final rinse water. Allow treated surfaces to air dry.

### Elevated Temperature Sanitizing

At a temperature of 120 deg F., DIVOSAN XY is an effective sanitizer for food contact surfaces at a concentration of 1 oz. per 8 gallons of water against *Staphylococcus aureus* and *Escherichia coli* and against *Listeria monocytogenes* at a concentration of 1 oz. per 5 gal of water. Prior to sanitization, clean and rinse thoroughly all equipment. All surfaces should be exposed to the sanitizing solution for at least 1 minute. Allow equipment to drain thoroughly and air dry. Do not rinse.

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70627-53

6/13

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### Final Sanitizing Bottle Rinse

DIVOSAN XY may be used as a final sanitizing rinse for plastic, glass or metal returnable and non-returnable bottles / cans.

1. Prior to sanitization, wash bottles with detergent or cleaning solution and rinse with potable water.
2. Then rinse bottles/cans with a use-solution prepared by mixing 1.0 to 1.7 fluid oz. of product with 5 gallons of water.
3. Allow bottles/cans to drain thoroughly and air dry. Do not rinse.

### Sanitization of Conveyors for Meat, Poultry Seafood, Fruits, and Vegetables

For use in the static or continuous washing, rinsing, and sanitizing of conveyor equipment, peelers, collators, slicers, saws, etc. Effective against *Staphylococcus aureus*, *Escherichia coli*, *Salmonella typhi* and *Listeria monocytogenes*.

1. During processing or interruptions in operations, apply Divosan XY, by preparing a use-solution by adding 1.0 to 1.7 fluid oz. of product to 5 gallons of water. If sanitizing against *Listeria monocytogenes*, add 1.2 to 1.7 fluid ounces of product to 5 gallons of water to prepare a use-solution.
2. Apply the sanitizer solution to the return portion of the conveyor or to the equipment using a coarse spray, foam or other means of wetting the surfaces. Control the volume of solution so as to permit maximum drainage and to prevent puddles. The conveyor may still be damp when food contact occurs. Treat for at least one (1) minute.

### Antimicrobial Rinse of Pre-Cleaned or New Returnable or Non-Returnable Containers

Use DIVOSAN XY to reduce the number of non-pathogenic beverage spoilage organisms such as *Aspergillus versicolor*, *Byssochlamys fulva*, *Pediococcus damnosus*, *Lactobacillus buchneri*, and *Saccharomyces cerevisiae*.

1. Prepare the antimicrobial rinse solution by adding 7.0 to 30 fluid oz. of product to 5 gallons of water.
2. Apply antimicrobial rinse at a temperature of 40°C to 60°C, with a contact time of at least 7 seconds.
3. Allow containers to drain thoroughly, and then rinse with sterile or potable waters.

### Surface Disinfection

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 blood stream 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.

Prepare the disinfecting use-solution by adding 3.2 fluid oz. of product to 5 gallons of potable water. Apply the disinfecting use-solution by wiping, mopping, or as coarse spray. For heavily soiled areas, a pre-cleaning is required. Allow to soak for at least ten (10) minutes, then drain treated surfaces. Applications involving treatment of food contact surfaces require a sterile or potable water rinse following disinfection.

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### **Fogging**

Use DIVOSAN XY for treating room hard non-porous surfaces, as an adjunct to acceptable manual cleaning and disinfecting of room surfaces.

1. Prior to fogging, remove or carefully protect all food products and packaging materials. Pre-clean heavily soiled area before application.
2. Ensure room is properly ventilated to prevent migration of vapors to adjacent areas. Vacate all personnel from the room during fogging. Post entry signs notifying employees that fogging is in process to prevent accidental entry. Plan the fogging operation so that sufficient product is available to properly treat the room without refilling the fogger. Disinfect hard, non-porous surfaces as specified herein, then fog as follows.
3. Fog areas using one quart per 1000 cu. ft. of room area with a 0.30% (4.0 fluid oz. per 10 gallons of water) DIVOSAN XY solution. NEVER enter the room during fogging unless wearing appropriate eye, skin and respiratory protection.
4. Treated areas should not be entered without suitable protective equipment for a minimum period of 2 hours after fogging. Ensure there is no strong odor characteristic of acetic acid (vinegar), before having personnel return to work area. Do not reenter the fogged area until proper venting decreases the hydrogen peroxide concentration in the air to less than 0.5 ppm.
5. Allow treated surfaces to drain thoroughly before operations are resumed. Rinse food contact surfaces with potable water before returning to operation.

### **Disinfection and Deodorizing of Animal Housing Facilities, Poultry Premises, Coops, Trucks and Crates**

1. Remove all animals and feeds from areas being treated.
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 or cover all troughs, racks and other feeding and watering appliances.
4. Thoroughly clean all surfaces with soap and detergent and rinse with water.
5. Prepare a disinfecting use-solution by adding 3.2 fluid oz. of product to 5 gallons of water. Apply use-solution to floors, walls, cages and other washable hard, non-porous environmental surfaces. For smaller surfaces, use a trigger spray bottle to spray all surfaces with solution until wet. To disinfect, all surfaces must remain wet for 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 litter and manure.
7. Before starting the treatment ensure that the work area is well ventilated. Do not house animals or re-employ equipment until product has dried.
8. For disinfection of feed racks, troughs, automatic feeders, fountains and watering appliances scrub with use-solution, let stand ten (10) minutes. Then thoroughly scrub all treated surfaces with soap or detergent and rinse with potable water before reuse.

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**70627-53**

### **Poultry Hatchery Disinfection**

1. Remove remaining eggs and chicks, poultry and feeds from premises, trucks, coops and crates.
2. Remove all litter and droppings from floors, walls and surfaces and other hatching-related debris occupied or traversed by poultry/chicks.
3. Empty all troughs, racks and other feeding and watering appliances.
4. Thoroughly wash all surfaces, with a recommended detergent or cleaning solution and then rinse with a potable water.
5. Prepare the disinfecting use-solution by adding 3.2 fluid oz. of product to 5 gallons of water. Apply the disinfecting solution with a mop, cloth, brush or coarse spray, keeping surfaces wet for ten (10) minutes.
6. Before starting the treatment ensure that the work area is well ventilated. Do not house poultry/eggs or employ equipment until product has dried.
7. Thoroughly scrub feed racks, troughs, automatic feeders, fountains, and waterers with soap or detergent, and rinse with potable water before reuse.

### **Treatment of Heat Transfer Systems (Evaporative Condensers, Dairy Sweetwater Systems, Hydrostatic Sterilizers, Cooling Canals, Pasteurizers, Tunnel Coolers and Warmers, and Closed Once Through Cooling Systems)**

This product is not intended for once-through or recirculating cooling tower systems.

Severely fouled systems should be cleaned before adding the product. Refer to the system operational manual for directions to clean severely fouled systems. The product should be added directly to the system and not mixed with other chemicals or additives. Other chemicals should be added separately. Contamination with other chemicals could result in product decomposition. Add product at a point in the system where uniform mixing and even distribution will occur.

**Intermittent Feed Method:** When the system is noticeably fouled apply 12-60 ounces (5-26 ppm peroxyacetic acid) of product per 1000 gallons of water in the system. Repeat until control is achieved. When microbial control is evident, add 42 fluid ounces (17 ppm peroxyacetic acid) of product per 1000 gallons of water in the system every day, or as needed, to maintain control. The daily dose rate could vary depending upon the severity of the biofouling.

**Continuous Feed Method: Initial Dose -** When the system is just noticeably fouled, apply 12-60 fluid ounces (5-26 ppm peroxyacetic acid) of product per 1000 gallons of water in the system. When microbial control is achieved, start adding product continuously at a rate of 42 fluid ounces per 1000 gallons of water (provide 17 ppm of peroxyacetic acid and 44 ppm of hydrogen peroxide). Then reduce the rate of addition to a level sufficient to maintain control. The dose rate may have to be adjusted to account for the losses due to blowdown and evaporation. Add the 4.2 fluid ounces of product for every 100 gallons of make-up water.

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9/13

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**STORAGE AND DISPOSAL**

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

**PESTICIDE STORAGE**

Keep container closed. Store in a cool, clean area away from all contaminants, especially dirt, caustic, reducing agents and metals. Contamination and impurities will reduce shelf life and can induce decomposition. In case of decomposition, isolate container, douse container with cool water and dilute with large volumes of water. Keep storage container closed at all time when not in use. Keep container out of direct sunlight. To maintain product quality store at temperatures below 86°F. Do not store on wooden pallets.

**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 instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

**CONTAINER DISPOSAL**

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 Returnable Totes)*

For returnable totes, return according to shipping instructions for cleaning and reconditioning.

**PROCEDURE FOR LEAK OR SPILL**

Stop leak if this can be done without risk. Shut off ignition sources; no flames, smoking, flares or spark producing tools. Keep combustible and organic materials away. Flush spilled material with large quantities of water. Undiluted material should not enter confined spaces.

**ENVIRONMENTAL HAZARDS (for containers of 5 gallons or 50 lbs. or more)**

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting agency has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

**PRECAUTIONARY STATEMENTS**

**HAZARD TO HUMANS AND DOMESTIC ANIMALS**

**DANGER: Corrosive.** Causes irreversible eye damage and skin burns. May be fatal if absorbed through the skin or inhaled. Harmful if swallowed. Do not get in eyes, on skin or on clothing. Do not breathe vapor or spray mist. Wear chemical splash-proof goggles or face shield, rubber gloves and protective clothing. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse. When fogging or spraying, wear a mask or pesticide respirator jointly approved by the Mine Safety and Health Administration and the National Institute for Occupational Safety and Health.

**PHYSICAL OR CHEMICAL HAZARDS**

Strong oxidizing agent. Mix only with water. This product is not combustible; however, at temperatures exceeding 156°F, decomposition occurs releasing oxygen. The oxygen released could initiate or promote combustion of other materials.

Si no puede leer en ingles, pregunte a su supervisor sobre las instrucciones de uso apropiadas antes de trabajar con este producto.

EPA Reg. No. 70627-LG

EPA Est. No. 875-OH-1

© 2004 JohnsonDiversey, Inc., Sturtevant, WI 53177-0902 U.S.A.

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Under the Federal Insecticide,  
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4-6-05  
EPA Reg. No. 70627-LG  
Page 7 of 11

10/13

JohnsonDiversey



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## DIVOSAN XY REFERENCE SHEET

### DIRECTIONS FOR USE:

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

**NOTE:** FOR MECHANICAL OPERATIONS, prepared use-solutions may not be reused for sanitizing or disinfecting but may be reused for other purposes such as cleaning. FOR MANUAL OPERATIONS, fresh sanitizing or disinfecting solutions should be prepared at least daily or more often if the solution becomes diluted or soiled.

### Sanitizing Hard, Non-Porous Food Contact Surfaces and Equipment

DIVOSAN XY is an effective sanitizer for use on food-contact surfaces against *Staphylococcus aureus*, *Escherichia coli*, and *Salmonella typhi* and *Listeria monocytogenes*.

1. Prior to sanitization, remove gross particulate matter with a warm water flush, then wash equipment with detergent or cleaning solution and follow with a potable water rinse.
2. Prepare the sanitizing use-solution by adding 1.0 to 1.7 fluid oz. of product to 5 gallons of water. If sanitizing against *Listeria monocytogenes*, prepare the sanitizing use-solution by adding 1.2 to 1.7 fluid oz. of product to 5 gallons of water.
3. Apply sanitizing solution by immersion, coarse spray, mop, wipe, flood techniques or circulation techniques as appropriate to the equipment or surface to be treated. Allow a contact time of at least one (1) minute. If sanitizing at temperatures 5°C (40°F) or lower, use 1.7 fluid oz. of product to 5 gallons of water.
4. Allow surfaces to drain thoroughly and air dry before resuming operation. Do not rinse.

### Sanitizing Eating, Drinking and Food Prep Utensils

DIVOSAN XY is an effective sanitizer in eating establishments against *Staphylococcus aureus*, *Escherichia coli*, *Salmonella typhi*, and *Listeria monocytogenes*.

1. Prior to sanitization, remove gross filth particles by a prescrape, preflush and, when necessary a presoak treatment.
2. Wash all items with a detergent.
3. Rinse thoroughly with potable water.
4. Prepare the sanitizing use-solution by adding 1.0 to 1.7 fluid oz. of product to 5 gallons of water. If sanitizing against *Listeria monocytogenes*, prepare the sanitizing use-solution by adding 1.2 to 1.7 fluid oz. of product to 5 gallons of water.
5. Immerse all items for at least 1 minute or for a contact time as specified by the local governing sanitizing code.
6. Place all sanitized items on a rack or drainboard to drain adequately. Air dry if items will not be reused immediately. Do not rinse.

### Sanitizing Tableware

For sanitizing tableware in low to ambient temperature warewashing machines, inject a use-solution of product (1.0 to 1.7 fluid oz. per 5 gallons of water) into the final rinse water. Allow treated surfaces to air dry.

### **Elevated Temperature Sanitizing**

At a temperature of 120 deg F., DIVOSAN XY is an effective sanitizer for food contact surfaces at a concentration of 1 oz. per 8 gallons of water against *Staphylococcus aureus* and *Escherichia coli* and against *Listeria monocytogenes* at a concentration of 1 oz. per 5 gal of water. Prior to sanitization, clean and rinse thoroughly all equipment. All surfaces should be exposed to the sanitizing solution for at least 1 minute. Allow equipment to drain thoroughly and air dry. Do not rinse.

### **Final Sanitizing Bottle Rinse**

DIVOSAN XY may be used as a final sanitizing rinse for plastic, glass or metal returnable and non-returnable bottles / cans.

1. Prior to sanitization, wash bottles with detergent or cleaning solution and rinse with potable water.
2. Then rinse bottles/cans with a use-solution prepared by mixing 1.0 to 1.7 fluid oz. of product with 5 gallons of water.
3. Allow bottles/cans to drain thoroughly and air dry. Do not rinse.

### **Sanitization of Conveyors for Meat, Poultry Seafood, Fruits, and Vegetables**

For use in the static or continuous washing, rinsing, and sanitizing of conveyor equipment, peelers, collators, slicers, saws, etc. Effective against *Staphylococcus aureus*, *Escherichia coli*, *Salmonella typhi* and *Listeria monocytogenes*.

1. During processing or interruptions in operations, apply Divosan XY, by preparing a use-solution by adding 1.0 to 1.7 fluid oz. of product to 5 gallons of water. If sanitizing against *Listeria monocytogenes*, add 1.2 to 1.7 fluid ounces of product to 5 gallons of water to prepare a use-solution.
2. Apply the sanitizer solution to the return portion of the conveyor or to the equipment using a coarse spray, foam or other means of wetting the surfaces. Control the volume of solution so as to permit maximum drainage and to prevent puddles. The conveyor may still be damp when food contact occurs. Treat for at least one (1) minute.

### **Fogging**

Use DIVOSAN XY for treating room hard non-porous surfaces, as an adjunct to acceptable manual cleaning and disinfecting of room surfaces.

1. Prior to fogging, remove or carefully protect all food products and packaging materials. Pre-clean heavily soiled area before application.
2. Ensure room is properly ventilated to prevent migration of vapors to adjacent areas. Vacate all personnel from the room during fogging. Post entry signs notifying employees that fogging is in process to prevent accidental entry. Plan the fogging operation so that sufficient product is available to properly treat the room without refilling the fogger. Disinfect hard, non-porous surfaces as specified herein, then fog as follows.
3. Fog areas using one quart per 1000 cu. ft. of room area with a 0.30% (4.0 fluid oz. per 10 gallons of water) DIVOSAN XY solution. NEVER enter the room during fogging unless wearing appropriate eye, skin and respiratory protection.
4. Treated areas should not be entered without suitable protective equipment for a minimum period of 2 hours after fogging. Ensure there is no strong odor characteristic of acetic acid (vinegar), before having personnel return to work area. Do not reenter the fogged area until proper venting decreases the hydrogen peroxide concentration in the air to less than 0.5 ppm.
5. Allow treated surfaces to drain thoroughly before operations are resumed. Rinse food contact surfaces with potable water before returning to operation.

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70627-53

12/13

(Note to Agency: Text appearing in parenthesis or brackets is done to show optional text.

**Antimicrobial Rinse of Pre-Cleaned or New Returnable or Non-Returnable Containers**

Use DIVOSAN XY to reduce the number of non-pathogenic beverage spoilage organisms such as *Aspergillus versicolor*, *Byssochlamys fulva*, *Pediococcus damnosus*, *Lactobacillus buchneri*, and *Saccharomyces cerevisiae*.

1. Prepare the antimicrobial rinse solution by adding 7.0 to 30 fluid oz. of product to 5 gallons of water.
2. Apply antimicrobial rinse at a temperature of 40°C to 60°C, with a contact time of at least 7 seconds.
3. Allow containers to drain thoroughly, and then rinse with sterile or potable waters.

**Surface Disinfection**

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 blood stream 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.

Prepare the disinfecting use-solution by adding 3.2 fluid oz. of product to 5 gallons of potable water. Apply the disinfecting use-solution by wiping, mopping, or as coarse spray. For heavily soiled areas, a pre-cleaning is required. Allow to soak for at least ten (10) minutes, then drain treated surfaces. Applications involving treatment of food contact surfaces require a sterile or potable water rinse following disinfection.

**Disinfection and Deodorizing of Animal Housing Facilities, Poultry Premises, Coops, Trucks and Crates**

1. Remove all animals and feeds from areas being treated.
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 or cover all troughs, racks and other feeding and watering appliances.
4. Thoroughly clean all surfaces with soap and detergent and rinse with water.
5. Prepare a disinfecting use-solution by adding 3.2 fluid oz. of product to 5 gallons of water. Apply use-solution to floors, walls, cages and other washable hard, non-porous environmental surfaces. For smaller surfaces, use a trigger spray bottle to spray all surfaces with solution until wet. To disinfect, all surfaces must remain wet for 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 litter and manure.
7. Before starting the treatment ensure that the work area is well ventilated. Do not house animals or re-employ equipment until product has dried.
8. For disinfection of feed racks, troughs, automatic feeders, fountains and watering appliances scrub with use-solution, let stand ten (10) minutes. Then thoroughly scrub all treated surfaces with soap or detergent and rinse with potable water before reuse.

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### **Poultry Hatchery Disinfection**

1. Remove remaining eggs and chicks, poultry and feeds from premises, trucks, coops and crates.
2. Remove all litter and droppings from floors, walls and surfaces and other hatching-related debris occupied or traversed by poultry/chicks.
3. Empty all troughs, racks and other feeding and watering appliances.
4. Thoroughly wash all surfaces, with a recommended detergent or cleaning solution and then rinse with a potable water.
5. Prepare the disinfecting use-solution by adding 3.2 fluid oz. of product to 5 gallons of water. Apply the disinfecting solution with a mop, cloth, brush or coarse spray, keeping surfaces wet for ten (10) minutes.
6. Before starting the treatment ensure that the work area is well ventilated. Do not house poultry/eggs or employ equipment until product has dried.
7. Thoroughly scrub feed racks, troughs, automatic feeders, fountains, and waterers with soap or detergent, and rinse with potable water before reuse.

### **Treatment of Heat Transfer Systems (Evaporative Condensers, Dairy Sweetwater Systems, Hydrostatic Sterilizers, Cooling Canals, Pasteurizers, Tunnel Coolers and Warmers, and Closed Once Through Cooling Systems)**

This product is not intended for once-through or recirculating cooling tower systems.

Severely fouled systems should be cleaned before adding the product. Refer to the system operational manual for directions to clean severely fouled systems. The product should be added directly to the system and not mixed with other chemicals or additives. Other chemicals should be added separately. Contamination with other chemicals could result in product decomposition. Add product at a point in the system where uniform mixing and even distribution will occur.

**Intermittent Feed Method:** When the system is noticeably fouled apply 12-60 ounces (5-26 ppm peroxyacetic acid) of product per 1000 gallons of water in the system. Repeat until control is achieved. When microbial control is evident, add 42 fluid ounces (17 ppm peroxyacetic acid) of product per 1000 gallons of water in the system every day, or as needed, to maintain control. The daily dose rate could vary depending upon the severity of the biofouling.

**Continuous Feed Method: Initial Dose -** When the system is just noticeably fouled, apply 12-60 fluid ounces (5-26 ppm peroxyacetic acid) of product per 1000 gallons of water in the system. When microbial control is achieved, start adding product continuously at a rate of 42 fluid ounces per 1000 gallons of water (provide 17 ppm of peroxyacetic acid and 44 ppm of hydrogen peroxide). Then reduce the rate of addition to a level sufficient to maintain control. The dose rate may have to be adjusted to account for the losses due to blowdown and evaporation. Add the 4.2 fluid ounces of product for every 100 gallons of make-up water.

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