

66171-7

08/15/2013

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY



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

Gary E. Gaumer  
Preserve International  
P.O. Box 17003  
Reno NV 89511

AUG 15 2013

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

SUBJECT: Synergize  
EPA Registration Number: 66171-7  
Application Dated: June 13, 2013  
Receipt Dated: June 14, 2013

Dear Ms. Holcombe:

The following amendment submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, is acceptable.

**Proposed Amendment:**

- To revise the fogging directions for hatchery rooms, incubators and hutches, poultry houses and livestock buildings.

**General Comments**

Submit and/or cite all data required for registration/reregistration/registration review of your product when the Agency requires all registrants of similar products to submit such data.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. The next label printing of this product must use this labeling unless subsequent changes have been approved. You must submit one (1) copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and it's implementing regulation at 40 CFR 152.3.

Should you have any questions or comments concerning this letter, please contact Emilia Oiguenblik at (703) 308-0199 or Velma Noble at (703) 308-6233.

Sincerely,  
  
Velma Noble  
Product Manager (31)

Regulatory Management Branch I  
Antimicrobials Division (7510P)

Attachment: Science Review						
SYMBOL						
SURNAME						
DATE						

# SYNERGIZE™ CLEANER-DISINFECTANT

STAPHYLOCIDAL • PSEUDOMONACIDAL  
• SALMONELLACIDAL • VIRUCIDAL\*  
• PARVOCIDAL • FUNGICIDAL  
ASPERGILLOCIDAL



Synergize cleaner-disinfectant is specifically formulated for industrial use in the following Animal and Poultry Housing facilities: Turkey, Breeder, Grow Out, Fryer, Layer, Hatcheries and Swine Producing Facilities as well as the following equipment in these facilities: Waterers, Feeders, Hauling Equipment, Loading Equipment, Farrowing Barns, Nurseries, Blocks, Creep Areas, and Chutes. This product is also for use in Farm Premises, Equine Facilities, Veal Barns, Rattite Facilities (Ostrich, Emu and Rhea Facilities), Calf Pens and associated Farm Vehicles, Veterinary Practices, Animal Care, and Animal Laboratory.

**Active Ingredients:**

Alyli (C12 67%, C14 25%, C16 7%, C18 1%) dimethyl benzyl ammonium chloride.....	26.00%
Glutaraldehyde.....	7.00%
Inert Ingredients.....	67.00%
TOTAL.....	100.00%

## KEEP OUT OF REACH OF CHILDREN DANGER

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS  
See First Aid statement and additional precautions on side panel

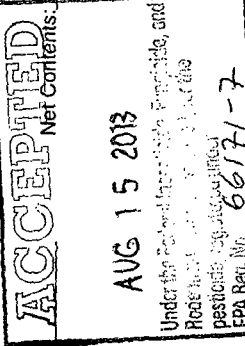
- 1) Immerse all halters, ropes, and other types of equipment used in handling and restraining animals, as well as forks, shovels and scrapers used for removing manure in a solution of 1/2 oz. SYNERGIZE per gallon of water (1:256). Allow to remain in contact for 10 minutes.
- 2) Ventilate buildings, cars, boats, coops and other closed spaces. Do not house poultry or livestock or employ equipment until treatment has been absorbed, set or dried.
- 3) Thoroughly scrub treated feed racks, troughs, automatic feeders, fountains, waterers and equipment which may come in contact with food with soap or detergent, and rinse with potable water before reuse.

**DIRECTIONS FOR USE IN POULTRY HOUSES:**

- 1) Remove all poultry and feeds from premises, trucks, coops, and crates.
- 2) Remove all litter and droppings from floors, walls and surfaces of facilities occupied or traversed by poultry.
- 3) Empty all troughs, racks, and other feeding and watering appliances.
- 4) Thoroughly clean all surfaces with soap or detergent and rinse with water.
- 5) Saturate surfaces with 1/2 ounce SYNERGIZE per gallon water (dilute 1:256) for a period of 10 minutes.
- 6) Ventilate building, coops, and other closed spaces. Do not house poultry or employ equipment until treatment has been absorbed, set, or dried.
- 7) Thoroughly scrub treated feed racks, troughs, automatic feeders, fountains, waterers and equipment which may come in contact with food with soap or detergent, and rinse with potable water before reuse.

EPA Reg. No. 66171-7  
EPA Est. 66171-CA-001  
Patent Number: 5,891,922

Batch No. \_\_\_\_\_



**DESCRIPTION**  
SYNERGIZE is a multi-purpose disinfectant-cleaner. SYNERGIZE provides a broad spectrum kill of gram negative and gram positive microorganisms. SYNERGIZE provides effective disinfecting and cleaning in one operation. SYNERGIZE is effective in warm, soft or hard water (as much as 1000 ppm CaCO3) and performs especially well in areas containing 5% serum.

SYNERGIZE is for use on glazed ceramic and tile surfaces, stainless steel, aluminum, chrome, galvanized metal, tin, brass, zinc, glass, hard non-porous treated wood, polyethylene, polypropylene, PVC (polyvinyl chloride), vinyl, sealed fiberglass, viton, ethylene propylene, nitrile, acrylic and polyurethane.

**DIRECTIONS FOR USE:**

It is in violation of Federal Law to use this product in a manner inconsistent with its labeling. Registered for disinfecting and cleaning hard non-porous surfaces. Not for use on feed, food or litter.

SYNERGIZE cleaner-disinfectant is specifically formulated for industrial use in the following Animal and Poultry Housing facilities: Turkey Breeder, Grow Out, Fryer, Layer, Hatcheries and Swine Producing Facilities as well as the following equipment in these facilities: Waterers, Feeders, Hauling Equipment, Dressing Plants, Loading Equipment, Farrowing Barns, Nurseries, Blocks, Creep Areas, and Chutes. This product is also for use in Farm Premises, Equine Facilities, Veal Barns, Rattite Facilities (Ostrich, Emu and Rhea Facilities), Calf Pens and associated Farm Vehicles.

**USE DIRECTIONS:**

- 1) To disinfect and clean hard non-porous surfaces of walls, floors, tables, sinks, refrigerator doors, telephone booths and garbage cans in non-animal areas associated with the facility, as noted above. Apply a solution of 1/2 ounce SYNERGIZE per gallon water (dilute 1:256) to precleaned surfaces. Apply with cloth, sponge, mop or mechanical coarse spray device, making sure all surfaces are wetted thoroughly. Allow surfaces to remain wet for 10 minutes. All surfaces must be rinsed with clean water and allowed to dry before reuse.
- 2) **BOOT/SHOE WASH:** To prevent cross contamination into animal areas, shoe baths containing one inch of freshly made disinfecting solution must be placed at all entrances to building. Scraper waterproof shoes or boots and place in a 1/2 ounce SYNERGIZE per gallon water solution. Allow the solution to come in contact with the boot/shoe for 10 minutes. Change the disinfecting solution when solution becomes visibly dirty.

**VEHICLES:** To disinfect the non-porous, hard surfaces of vehicles use a solution of 1/2 ounce SYNERGIZE per gallon of water. Apply using a high pressure or coarse spray system. Leave all treated surfaces exposed to solution for 10 minutes, or more and allow to air dry. All treated surfaces that will contact feed or drinking water must be thoroughly scrubbed with soap or detergent then rinsed with potable water before reuse.

**DIRECTIONS FOR USE IN SWINE PRODUCING FACILITIES:**

- 1) Remove all animals and feed from the premises, vehicles and enclosures.
- 2) Empty all troughs, racks, and other feeding and watering appliances.
- 3) Remove all gross soil, bedding, manure, caked on dirt, spider webs, etc. from walls to ceilings of barns, pens, stalls, chutes, and other facilities occupied or traversed by hogs or other animals.
- 4) Thoroughly clean all surfaces with soap or detergent and rinse with water.
- 5) Thoroughly saturate all surfaces with a solution of 1/2 oz. SYNERGIZE per gallon of water (1:256), using conventional spraying methods.
- 6) Allow all treated areas to remain in contact with this solution for at least 10 minutes.
- 7) Immerse equipment used in handling and restraining animals, forks, shovels, and scrapers used for removing manure in SYNERGIZE at a dilution of 1:256. Allow to remain in contact for at least 10 minutes.

emulate buildings, and other closed spaces. Do not house swine or other livestock treatment has been absorbed, set, or dried.

Thoroughly scrub treated feed racks, troughs, automatic feeders, fountains, waterers and equipment which may come in contact with food with soap or detergent, and rinse with potable water before reuse.

**DIRECTIONS FOR USE IN FARM PREMISES, EQUINE FACILITIES, VEAL BARN, RATTITE FACILITIES, CALF PENS AND VEHICLES:**

- 1) Do not use in milking stalls, milking parlors, or milk houses.
- 2) Remove all animals and feed from the premises, vehicles, and enclosures.
- 3) Remove all gross soil, bedding, manure, caked on dirt, spider webs, etc. from floors, surfaces, and from walls to ceiling of barns, pens, stalls, chutes, and other facilities occupied or traversed by hogs or other animals.
- 4) Empty all troughs, racks, and other feeding and watering appliances.
- 5) Thoroughly clean all surfaces with soap or detergent and rinse with water.
- 6) Thoroughly saturate all surfaces with a solution of 1/2 oz. SYNERGIZE per gallon of water (1:256), using conventional spraying methods. Allow to remain in contact with this solution for at least 10 minutes.

Manufactured by:

**PRESERVE**  
INTERNATIONAL

Reno, NV 89511 • (800) 995-1607 • www.preserveinternational.com

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### STORAGE AND DISPOSAL

Do not contaminate water, food, or feed, by storage and disposal. Do not reuse empty container. Store away from heat. Do not transfer to another container.

**PESTICIDE STORAGE:**

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 the label instruction, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA Regional Office for handling.

**Container Handling:**

Nonrefillable container. Do not reuse or refill this container. Offer for recycling if available, or offer for reconditioning if appropriate, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities. (For greater than 5 gallons) Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Dispose of rinsate as noted in the pesticide disposal section. Repeat this procedure two more times. (For 5 gallons or less) Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Dispose of rinsate as noted in the pesticide disposal section. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

General: Consult Federal, State or local disposal authorities for approved alternative procedures.

### PRECAUTIONARY STATEMENTS

Hazards to humans and domestic animals

**DANGER**

**KEEP OUT OF REACH OF CHILDREN.** Corrosive. Causes irreversible eye damage and skin burns. May be fatal if inhaled. Harmful if swallowed or absorbed through skin. Do not get in eyes, on skin or on clothing. Do not breathe spray mist. Wear goggles or face shield. Wear a dust/mist/filtrating respirator (MSHA/NIOSH approval number prefix TC-21C) or a NIOSH approved respirator with any N, R, or HE prefilter. Wear protective clothing and rubber gloves. Prolonged or frequent repeated skin contact may cause allergic reaction in some individuals. Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove contaminated clothing and wash before reuse.

**ENVIRONMENTAL HAZARDS:** This product is toxic to fish, aquatic invertebrates, oysters, and shrimp. Do not apply directly to water. Do not contaminate water by cleaning of equipment or disposal of wastes. Do not discharge effluent containing this product into lakes, streams, estuaries, oceans or other water unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewerage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

### 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 CLOTHING:** Take off contaminated 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 by mouth-to-mouth, if possible; call a poison control center or doctor for further treatment advice.

**IF SWALLOWED:** Call a 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 or doctor; do not give anything by mouth to an unconscious person.

**HOT LINE NUMBER:** 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) 255-3924 for emergency medical treatment information. For information on this pesticide (including health concerns, medical emergencies, or pesticide incidents), call the National Pesticide Telecommunications Network at 1 (800) 858-7378.

**NOTE TO PHYSICIAN:** Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression and convulsion may be needed.

# SYNERGIZE

## HATCHERY ROOMS, INCUBATORS AND HATCHERS, POULTRY HOUSES AND LIVESTOCK BUILDINGS BY FOGGING:

All surfaces must be cleaned and disinfected in accordance with label directions prior to fogging. Fogging is an adjunct or supplement to normal cleaning and disinfection procedures and practices. Fogging is not used as a sanitizing treatment. Close room off so fog is confined to room to be treated. Hatchery ventilation systems must remain on during fogging. Wear a dust mist respirator when mixing the use solution and pouring it into the fogging apparatus.

**A) HATCHERY ROOMS:** Vacate all personnel from hatchery room to be fogged. Close room off so fog is confined to the hatchery room to be treated. Prepare a stock solution of one (1) part Synergize to forty-two (42) parts water (3 fluid ounces Synergize to 125 fluid ounces water). Fog this solution at a rate of 3.8 ounces per 10,000 cubic feet for the fogging times specified in the chart below. Contact your Preserve International representative to determine the recommended fogging schedule. Do not allow people to breathe or contact the fog. When fogging Synergize, re-entry intervals (REI) and personnel protection equipment (PPE) are determined by the following hatchery room air exchange rates:

ACH for Hatchery Rooms / Incubators and Hatchers	Fogging Time	Re-entry Intervals (REI)	PPE Required
8 Air Exchanges Per Hour	5 Minutes	25 Minutes	No PPE Required
12 Air Exchanges Per Hour	7.5 Minutes	15 Minutes	No PPE Required
16 Air Exchanges Per Hour	10 Minutes	10 Minutes	No PPE Required
20 Air Exchanges Per Hour	12.5 Minutes	10 Minutes	No PPE Required
24 Air Exchanges Per Hour	15 Minutes	10 Minutes	No PPE Required

Under no circumstances must the hatchery room be entered by unprotected persons before the listed re-entry intervals. If the hatchery room must be entered, before the listed re-entry intervals, then the individuals entering the room must wear a long sleeve shirt and pants and an approved NIOSH/MSHA full facepiece respirator, such as the 3M 6700-6900 series, with an organic vapor cartridge, such as the 3M 5N11, and a particulate filter, such as the 3M 501 liter retainer.

## INCUBATORS AND HATCHERS:

Only for treatment of setters and hatchers after poultry/chicks/eggs have been removed. Not for treatment of hatchers which contain chicks/eggs. Prepare a stock solution of one (1) part Synergize to forty-two (42) parts water (3 fluid ounces Synergize to 125 fluid ounces water). Fog this solution at a rate of 3.8 ounces per 10,000 cubic feet for the fogging times specified in the chart above, into setters and hatchers immediately after transfer. Repeat daily. Discontinue hatchery treatments approximately 24 hours before pulling the hatch. Do not allow people to contact or breathe this fog and do not enter machines until the fog has been exhausted. To do this, install permanent fogging nozzles in setters and hatchers and use an air compressor to disperse the sanitizing solution as a fog. It is also satisfactory to fog setters and hatchers with a 1:1000 solution of Synergize. If this is done, fog for 30 - 90 seconds once per hour or once every two hours.

## C) POULTRY HOUSES AND LIVESTOCK BUILDINGS:

After the house has been depopulated and cleaned as in "Directions for use in farm premises, veal barns, rattle facilities, calf pens and vehicles", double check to be sure all people, poultry, livestock and pets have vacated the building. Close all windows, doors, curtains, etc. making the house as closed as possible. Prepare a stock solution of one (1) part Synergize to four (4) parts water (25 fluid ounces Synergize to 100 fluid ounces water). Insert the nozzle of the fogging device through a suitable opening in the room. With the setting on maximum output, fog 125 fluid ounces for each 1000 cubic yards. The fogger itself is placed just inside the door of the building to be treated, or the nozzle of the fogger is inserted through a suitable opening in the door or building. The opening must be large enough to accommodate the nozzle. After fogging, the building must be kept closed for twenty-four (24) hours. After twenty-four (24) hours, the fog must have settled and the house can now be opened and aired. The house must be opened for a minimum of twenty-four (24) hours before it is repopulated with poultry or livestock.

**NOTE FOR POULTRY HOUSES AND LIVESTOCK BUILDINGS:** The generated fog is very irritating to eyes, skin, and mucous membranes. Under no circumstances must a room or building be entered by anyone until the fog has completely settled. A reentry time of two (2) hours is required. If the building or room must be entered, then the individuals entering the building or room must wear a self-contained respirator approved by NIOSH/MSHA, goggles, long sleeve shirt and pants. If feeders and waterers were not removed from the premises during treatment, or were not adequately covered to prevent contact with the treatment, they must be washed with detergent and water before use for poultry or livestock.

## AIR WASHERS AND INDUSTRIAL SCRUBBING SYSTEMS / RECIRCULATING COOLING AND PROCESS WATER SYSTEMS:

This product is used in industrial air washers and air washer systems which have mist-eliminating components. SYNERGIZE must be added at the application rates described below to a water treatment system at a convenient point of uniform mixing such as a basin area. Addition is made intermittently (Slug Dose) or continuously. Badly fouled systems are shock treated with SYNERGIZE. Under these conditions, blowdown must be discontinued for up to 24 hours.

SYNERGIZE is used in industrial process water systems that contain ultra filtration units and non-medical reverse osmosis membranes (Where approved for compatibility by the membrane manufacturer) and associated distribution systems.

### Intermittent (Slug Dose) Method:

**Initial Dose:** When the system is noticeably fouled, apply 2.0 to 4.0 ounces of SYNERGIZE per 100 gallons of water in the system. Repeat until control is achieved.

**Subsequent Dose:** When microbial control is evident, add 1.0 to 3.0 fluid ounces of SYNERGIZE per 100 gallons of water in the system weekly, or as needed to maintain control. Badly fouled systems must be cleaned before treatment is begun.

### Continuous Feed Method:

**Initial Dose:** When the system is noticeably fouled, apply 2.0 to 4.0 ounces of SYNERGIZE per 100 gallons of water in the system. Repeat until control is achieved.

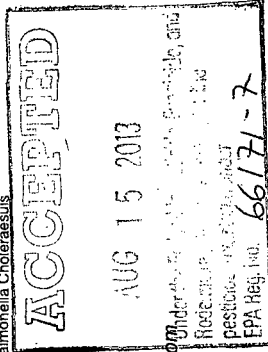
**Subsequent Dose:** Maintain this treatment level by starting a continuous feed of 1 to 4 ounces per 100 gallons of water. Badly fouled systems must be cleaned before treatment is begun.

**VETERINARY PRACTICE (CLINIC)/ANIMAL CARE FACILITIES/ANIMAL LABORATORY/ANIMAL LIFE SCIENCE LABORATORY/ANIMAL RESEARCH CENTERS/ANIMAL QUARANTINE AREAS/ZOO/PET SHOP/KENNEL/ANIMAL HUSBANDRY/ANIMAL BREED-ING FACILITIES/BREEDING AND GROOMING ESTABLISHMENT/TACK SHOPS DISINFECTION DIRECTIONS:** For cleaning and disinfecting the following hard, non-porous surfaces: equipment not used for animal food or water, utensils, instruments, cages, kennels, stables, stalls and catlaries. Remove all animals (and) feeds from areas to be treated, animal transportation vehicles, crates, etc. Remove all litter, droppings and manure from floors, walls and surfaces of facilities occupied or traversed by animals. Thoroughly clean all surfaces with soap or detergent and rinse with water. Apply a solution of 1/2 ounce SYNERGIZE per gallon water (dilute 1:256) for a period of 10 minutes. Immerse all halters, ropes, and other types of equipment used in handling and restraining animals as well as forks, shovels, and scrapers used for removing litter and manure. *Ventilate buildings and other closed spaces. Do not house animals or employ equipment until treatment has been absorbed, set or dried. At 1/2 ounce per gallon of water, in the presence of 1000 ppm of hardness and 5% organic load for a 10-minute contact time. Synergize was found to be effective against Canine Parvovirus.*

- Staphylococcus aureus A.T.C.C. 6538
- Pseudomonas aeruginosa A.T.C.C. 15442
- Salmonella enterica A.T.C.C. 10708
- Aspergillus fumigatus A.T.C.C. 36607
- Porcine Respiratory & Reproductive Syndrome Virus (PRRS\*)
- Salmonella Enteritidis

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**DOT SHIPPING NAME**  
 UN3264, Corrosive Liquid, Acidic, Inorganic,  
 n.o.s. (Phosphoric Acid), 8, PG III

8/13/2013

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