



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF  
PREVENTION, PESTICIDES  
AND TOXIC SUBSTANCES

**August 28, 2003**

Mr. Michael G. Sarli  
Sr. Regulatory Specialist  
**Steris Corp.**  
P. O. Box 147  
St. Louis, MO 63166-0647

Subject: Amendment per PR Notice 2001-1  
**1-Stoke Environ**  
EPA Registration No. 1043-26  
Application dated May 22, 2003

Dear Mr. Sarli:

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

**Label Comments**

1. Delete the word "PROHIBITIONS" from the storage and disposal statement.

- The storage and disposal statement must read as follows:

**STORAGE AND DISPOSAL**

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

"PESTICIDE STORAGE: Add storage text here.

"PESTICIDE DISPOSAL: Add storage text here.

"CONTAINER DISPOSAL: Add storage text here.

2. For container greater than 5 gallons, add the statement, "This pesticide is toxic to fish" at the beginning of the Environmental Hazard statement.
3. The statement "Cross Contamination" is an unrecognized efficacy statement and therefore must be deleted from the label. Historically, AD has not allowed any claim that a disinfectant will promote infection control, decontaminate, reduce cross-contamination or the like.

AD admitted having erroneously approved the statement that currently appears on the label. To promote a level playing field, the Agency has requested other registrants with similiar terminology such as described above to remove these statements from the label.

**General Comment**

Submit three (3) copies of your final printed labeling before distributing or selling the product bearing the revised labeling. A stamped copy is enclosed for your records.

Should you have any questions or comments concerning this letter, please contact me at (703) 308-6422, or Lisa McKelvin at (703) 308-7496.

Sincerely,



*for* Adam Heyward  
Product Manager (34)  
Regulatory Management Branch II  
Antimicrobials Division (7510C)

Enclosure

**PRECAUTIONARY STATEMENTS**  
**Hazard to Humans and Domestic Animals**  
**DANGER**

Read carefully the following statement which applies to the contents of this container:  
 Corrosive to tissues. Causes eye and skin damage. Harmful or fatal if swallowed. Do not get in eyes, on skin, or on clothing. Wear goggles and rubber gloves when handling. Avoid contamination of food.

**ENVIRONMENTAL HAZARD STATEMENT:** (For use on containers 5 gallons and larger) 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 authority 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.

**STORAGE AND DISPOSAL**

**Prohibitions:** Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited. Do not reuse empty container.

**Pesticide Disposal:** This germicide, its solutions or rinsings from empty containers should be disposed of in a toilet or service sink served by a sanitary sewer or in a landfill approved for pesticides.

**Container Disposal:** Triple rinse and deposit in a waste container for incineration or disposal in a landfill approved for pesticide containers.

**General:** Consult Federal, State or Local disposal authorities for approved alternate procedures such as limited open burning. If frozen, thaw and remix before use.

**DIRECTIONS FOR USE**

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. For use on all washable pre-cleaned, hard environmental nonporous surfaces, use a 1:256 (one-half fluid ounce/gallon of water) solution. For accurate solution preparation, use 1-Stroke Dispenser (one stroke delivers one-half fluid ounce of product). This is a complete product. Do not add other chemicals. Use only as directed.

**CLEANING AND DISINFECTING ANIMAL AND POULTRY FACILITIES** - Do not use in milking stalls, milking parlors, or milk houses. Cover or remove all food, feedstuffs, packaging material, and animals. Remove all dirt, litter and debris from surfaces to be disinfected. Thoroughly clean all surfaces with soap or detergent and rinse with water. Apply use solution with a sponge, mop or coarse spray to thoroughly wet all surfaces. Allow the surface to remain wet for 10 minutes and remove excess solution with a wrung-out applicator. Discard solutions when they become soiled and replace with a fresh solution of this product. Wash all feeders and waterers with a detergent and rinse with potable water before reuse. Ventilate buildings, coops, and other closed spaces. Allow disinfected areas to dry before rehousing livestock. Always remove gross filth and heavy soil before application of the solutions of this product.

**CLEANING AND DISINFECTING FOOD CONTACT SURFACES, TOOLS AND EQUIPMENT** - Cover or remove all food and packaging material. Thoroughly clean surfaces to be disinfected before application of the solutions of this product. Apply use solution to the surface being disinfected with a sponge, mop or cloth and allow to remain wet for 10 minutes. Discard soiled solutions and replace with fresh use solutions. Rinse all surfaces with a potable water rinse after disinfection, and allow to air dry before reuse.

**FOGGING AS AN ADJUNCT TO REGULAR CLEANING AND DISINFECTING** - This product may be used in fogging (wet misting) as an adjunct either preceding or following regular cleaning and disinfecting procedures in Poultry operations, Hatcheries, Swine operations, Animal Care facilities, Animal Research facilities, Livestock operations and Veterinary facilities, Zoos, and Kennels. Use a 1:256 dilution (one-half ounce per gallon of water). Fog the desired area at 32 to 64 ounces of use dilution per 1,000 cubic feet using equipment with an automatic timer. Do not remain in treated areas; allow at least two hours after fogging is complete before reentering fogged area. Before fogging remove or carefully protect all food and packaging materials with waterproof coverings. Treated food contact surfaces must be thoroughly scrubbed with 1-Stroke Environ at a 1:256 dilution and rinsed with potable water before reuse.

**MUSHROOM FARM USE** - A normal use-solution (one-half ounce per gallon of water) may be used between crops to clean and sanitize non-food contact surfaces. Use on tanks, air conditioners, air ducts, fans, and breezeways, compost wharf, concreted surfaces, inside and outside walls of mushroom house, lofts, floors, spawning machines, trappers, casing rings, storage sheds and track alleys before spawning. Thoroughly clean all surfaces with soap or detergent and rinse with water. Then apply use-solution with cloth, sponge, mop or coarse spray to thoroughly wet all surfaces; allow to remain wet for 10 minutes. Apply ONLY to surfaces that do not come in contact with the crop. Do not apply to the crop, compost or casings.

**ACCEPTED**  
**with COMMENTS**  
**EPA Letter Dated:**

AUG 28 2003

Under the Federal Insecticide,  
 Fungicide, and Rodenticide Act as  
 amended, for the pesticide,  
 registered under EPA Reg. No. 1043-26

# 1-STROKE ENVIRON®

U.S. PATENT NO. 3,538,217  
 EPA REG. NO. 1043-26 EPA Est. No. 1043-MO-2

Germicide Fungicide Virucide\* Deodorant

**ACTIVE INGREDIENTS:**

o-phenylphenol	10.0%
o-benzyl-p-chlorophenol	8.5%
p-tertiary-amyphenol	2.0%
<b>INERT INGREDIENTS</b>	<b>79.5%</b>
<b>Total</b>	<b>100.0%</b>

**KEEP OUT OF REACH OF CHILDREN**

**DANGER**

FIRST AID	
If inhaled	<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 by mouth-to-mouth, if possible.</li> <li>•Call a poison control center or doctor for further treatment advice.</li> </ul>
If on skin or clothing	<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>
If in eyes	<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 the eye.</li> <li>•Call a poison control center or doctor for treatment advice.</li> </ul>
If swallowed	<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 or doctor.</li> <li>•Do not give anything by mouth to an unconscious person.</li> </ul>
HOTLINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	
NOTE TO PHYSICIAN	
Probable mucosal damage may contraindicate the use of gastric lavage.	

See side panel for additional precautionary statements.

NET CONTENTS:  
 STERIS Corporation  
 7501 Page Avenue  
 St. Louis, MO 63133 U.S.A.

**1 Stroke Environ®**

1-Stroke Environ is a detergent based germicide developed especially to control cross contamination of treated surfaces in the agricultural and food industries, and by the veterinary profession. It is intended for use on pre-cleaned hard non-porous surfaces including floors, walls, counters, equipment in food processing areas, feed racks, troughs and automatic feeders. It may be used in food processing, preparation and service facilities, in animal and avian husbandry/poultry and feed processing facilities, veterinary clinics, and animal research facilities. When used as directed, this product is effective against pathogenic bacteria such as *S. aureus*, *S. choleraesuis*, and fungi (T. mentagrophytes) when tested at 1:256 by official A.O.A.C. methods in either hard (400 ppm) or soft water; and \*viruses (influenza A<sub>2</sub>, Herpes Simplex type 2, Adenovirus, Vaccinia, Newcastle disease, Infectious Laryngotracheitis, Infectious Bronchitis, Marek's Agent (JM-V), Hog Cholera) on inanimate environmental surfaces in 10 minutes at 20EC. In addition, 1-Stroke Environ is effective against Avian Reovirus ATCC VR-2040, when tested at 1:256 by official A.O.A.C. methods in hard (400 ppm) water, in the presence of 5% added organic soil (serum).

When tested according to A.O.A.C. Use-Dilution Testing, 1-Stroke Environ was shown to be effective against the following when diluted 1:256 (one-half ounce per gallon) in 400 ppm A.O.A.C. hard water and 5% organic soil (serum) in 10 minutes at 20EC:

<i>Aeromonas hydrophila</i> , ATCC 7965	<i>Mycoplasma gallisepticum</i> , ATCC 19610
<i>Bordetella avium</i> , ATCC 35086	<i>Pasteurella multocida</i> , ATCC 29977
<i>Corynebacterium sepeidonicum</i> , ATCC 9850	<i>Pseudomonas aeruginosa</i> , ATCC 13388
<i>Salmonella enteritidis</i> , ATCC 13076	<i>Klebsiella pneumoniae</i> , ATCC 23357
<i>Salmonella sp. serovar pullorum</i> , ATCC 19945	

1-Stroke Environ was shown to be effective against *Escherichia coli* ATCC 11229, *Streptococcus suis* ATCC 43765, *Listeria monocytogenes* ATCC 15313 and *Campylobacter jejuni* ATCC 29428 when tested at a 1:256 dilution by official A.O.A.C. methods in hard (400 ppm) water on inanimate environmental surfaces in 10 minutes at 20EC. 1-Stroke Environ has been proven effective against the following viruses\*; pseudorabies virus, porcine rotavirus and transmissible gastroenteritis virus by the EPA proposed virucidal assay method when diluted 1:256 with 400 ppm hard water in 10 minutes at 20EC on inanimate environmental surfaces.

**GERMICIDAL QUALIFICATION (A.O.A.C. Use Dilution Confirmation)**, 10 minutes at 20EC, when diluted 1:256 in (400 ppm CaCO<sub>3</sub>) A.O.A.C. hard water.  
**Fungicidal Test (A.O.A.C. T. mentagrophytes)**, 10 minutes at 20EC when diluted 1:256 in (400 ppm CaCO<sub>3</sub>) A.O.A.C. hard water.  
**GERMICIDAL, AND FUNGICIDAL BY OFFICIAL A.O.A.C. QUALIFICATION IN SOFT OR HARD WATER (A.O.A.C. 400 ppm as CaCO<sub>3</sub>) IN TEN MINUTES AT 20EC.**

This product is recommended for use on washable hard nonporous surfaces such as counters, equipment, resilient tile flooring, terrazzo and painted or varnished surfaces.  
 1-Stroke Environ helps in the control of cross contamination and odors of bacterial origin.

Product Made in U.S.A

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