

**GENERAL DESCRIPTION**

1-Stroke Environ Germicidal Detergent is a research developed, concentrated hard water effective, broad-spectrum germicidal detergent for simultaneous cleaning, disinfection, and deodorization. With its detergents and 820 ppm phenolic actives, 1-Stroke Environ detergent is 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, animal research facilities.

**FEATURES**

Hard water effective  
 Advanced phenolic formula kills a range of Gram-positive and Gram-negative bacteria and acid fast bacilli. Fungicidal and virucidal.  
 Formulated with excellent detergent system

**BENEFITS**

Disinfection verified in hard water  
 Verification of germicidal activity  
 Can be used as a cleaner prior to disinfection

**BACTERICIDAL PROPERTIES**

When tested according to AOAC Use-Dilution Testing, 1-Stroke Environ was shown to be effective against the following when diluted 1:250 (4 mL per 1 L) in 400 ppm AOAC hard water in 10 minutes at 20°C (68°F).

- Aeromonas hydrophilia*
- Bordetella avium*
- Campylobacter jejuni*
- Corynebacterium sepeidonicum*
- Escherichia coli*
- Klebsiella pneumoniae*
- Listeria monocytogenes*
- Mycoplasma gallisepticum*
- Pasteurella multocida*
- Ps. aeruginosa*
- Salmonella choleraesuis*
- Salmonella enteritidis*
- Salmonella sp. Serovar pullorum*
- Staphylococcus aureus*
- Streptococcus suis*

**FUNGICIDAL PROPERTIES**

An official test for determining the fungicidal efficacy of a disinfectant is the Fungicidal Test Method as described in the *AOAC Methods of Analysis* and modified as required. 1-Stroke Environ detergent concentrate diluted 1:250 in 400 ppm (as CaCO<sub>3</sub>) hard water is effective against *Trichophyton mentagrophytes* in 10 minutes at 20°C (68°F).

## VIRUCIDAL PROPERTIES

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1-Stroke Environ detergent has been proven effective against the following viruses (passes virucidal qualification test) when diluted 1:250 with 400 ppm hard water in 10 minutes at 20°C (68°F) on inanimate environmental surfaces:

Adenovirus Type 2	Herpes simplex Type 1&2
Avian Reovirus	Marek's Disease (JM-V)
Infectious bronchitis	Porcine rotavirus
Infectious laryngotracheitis	Pseudorabies virus
Influenza A <sub>2</sub>	Gastroenteritis virus
	Vaccinia

## PHYSICAL PROPERTIES

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Form .....	Amber liquid
Odor .....	Mild, pleasant aroma
Specific gravity (25°C [77°F]) .....	1.07
pH (concentrate).....	12.6
pH (1:256 dilution) .....	10.4
Phosphate .....	None

## DIRECTIONS FOR USE

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For use on all non-porous washable, precleaned, hard environmental surfaces use a 1:250 (4 mL/L of water). Add concentrate to premeasured volume of water at a dilution ration of 1:250 (4 mL/1 L). For accurate solution preparation, use STERIS's 1-Stroke Dispenser. This is a complete product. Do not add other chemicals. Use only as directed. If frozen, thaw, and remix before use.

Suitable for use on all non-porous, washable, hard environmental surfaces, including floors, walls, and countertops.

### Solution Preparation

Measure water into bucket. Using a 1-Stroke Dispenser Pump, to produce a 1:250 solution, add one stroke of the pump for each 8 L of solution. One stroke of the pump delivers 32 mL of detergent. Always add 1-Stroke Environ detergent to premeasured water. Mix gently. Discard solution when it becomes dirty and replace it with fresh solution.

Dilution ratio	1:250	1:250	1:250	1:250
Liters of solution	1	8	16	24
Number of strokes	-	1	2	3
Milliliters of 1-Stroke Environ	4	32	64	96

## AGRICULTURAL FACILITY CLEANING AND DISINFECTING

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Remove or cover all food, feed stuffs, packaging materials, and livestock. Remove all litter, manure, and other debris from floors and walls, scrape if necessary. Empty all troughs, racks, and other feeding and watering appliances. Thoroughly clean surfaces to be disinfected before application of the solutions of this product. Scrub to loosen soils. Saturate all surfaces with 1-Stroke Environ **solution**. Allow to soak for 10 minutes. For feeders and waterers, rinse, scrub with detergent; rinse thoroughly with potable water. Drain all surfaces and allow to air-dry. Ventilate buildings before use or rehousing livestock. Do not use in milking stalls, milking parlors, or milk houses.

## FOOD PREPARATION AND PROCESSING FACILITY CLEANING AND DISINFECTION

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Cover or remove all food and packaging materials. Remove all loose soils. Thoroughly clean surfaces to be disinfected before application of solutions of this product. Scrub to loosen soils. Saturate all surfaces with 1-Stroke Environ detergent solution prepared as directed above. Allow to soak for 10 minutes. Thoroughly rinse all wetted and cleaned surfaces with potable water.

## **STORAGE AND DISPOSAL**

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Keep from freezing. If frozen, thaw and remix before using.

- 1) Rinse the emptied container thoroughly and add the rinsings to treatment site.
- 2) Follow provincial instructions for any required additional cleaning of the container prior to its disposal.
- 3) Make the empty container unsuitable for further use.
- 4) Dispose of the container in accordance with provincial requirements.
- 5) For information on the disposal of unused, unwanted product and the cleanup of spills, contact the provincial regulatory agency or the manufacturer.

## **SERVICE**

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### **Sales**

Service is one of the most important ways to verify consistent quality of the facility's performance and operation. A tailored service program by STERIS provides effective, trouble-free operations.

### **Technical**

STERIS is pleased to provide a completely staffed and equipped technical service laboratory capable of performing needed tests and providing both telephone and on-site assistance when needed. More details on how this service can benefit a facility's particular situation can be provided upon request.

## **PRECAUTIONS**

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Concentrate is corrosive. May cause eye and skin damage. Do not get in eyes, on skin, or on clothing. Wear goggles or face shield and rubber gloves when handling concentrate. Harmful if swallowed. Keep out of reach of children.

## **FIRST AID**

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### **Eyes**

Immediately flush eyes with water for 15 minutes and get medical attention.

### **Skin**

Flush thoroughly with water. Remove and wash contaminated clothing before reuse.

### **If Swallowed**

Drink a large quantity of milk, egg white, gelatin solution, or water; avoid alcohol. Do NOT induce vomiting. Call a physician or poison control center immediately.

## **TOXICOLOGICAL INFORMATION**

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Acute Oral LD<sub>50</sub> (undiluted): 3,730 mg/kg. Typical pH (undiluted): 12.6. Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression, and convulsion may be needed.

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**For further information, please contact:**

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