



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

July 24, 2018

Ye Liu
Regulatory Specialist
Stepan Company
22 West Frontage Road
Northfield, IL 60093

Subject: Notification per PRN 98-10 – Label revision
Product Name: COMMERCIAL LAUNDRY SANITIZER
EPA Registration Number: 1839-247
Application Date: June 12, 2018
Decision Number: 541822

Dear Ms. Liu:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 for the above referenced product. The Antimicrobials Division (AD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action requested falls within the scope of PRN 98-10.

The label submitted with the application has been stamped “Notification” and will be placed in our records.

Should you wish to add/retain a reference to the company’s website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product’s label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA’s Office of Enforcement and Compliance.

If you have any questions, you may contact Mohammad Alavi at (703) 347-0522 or via email at Alavi.mohammad@epa.gov.

Sincerely,

A handwritten signature in blue ink that reads "E. Miederhoff". The signature is written in a cursive style with a large, stylized initial "E".

Eric Miederhoff
Product Manager 31
Regulatory Management Branch I
Antimicrobials Division (7510P)
Office of Pesticide Programs

The applicant has certified that no changes, other than those reported to the Agency have been made to the labeling. The Agency acknowledges this notification by letter dated:

07/24/2018

Commercial Laundry Sanitizer

FRONT PANEL

ACTIVE INGREDIENTS

n-Alkyl (50% C ₁₂ , 30% C ₁₄ , 17% C ₁₆ , 3% C ₁₈)	
dimethyl benzyl ammonium chloride	25.0%
n-Alkyl (67% C ₁₂ , 25% C ₁₄ , 7% C ₁₆ , 1% C ₁₈)	
dimethyl benzyl ammonium chlorides	25.0%
INERT INGREDIENTS	50.0%
Total	100.0%

NET CONTENTS(:) XXX (oz)(ounces)(gallon(s))(gal(s))

KEEP OUT OF REACH OF CHILDREN

DANGER

FIRST AID	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	
If in Eyes:	<ul style="list-style-type: none"> 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:	<ul style="list-style-type: none"> Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call poison control center or doctor for treatment advice.
If Inhaled:	<ul style="list-style-type: none"> 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:	<ul style="list-style-type: none"> 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 or doctor. Do not give anything to an unconscious person.
<p>(HOTLINE NUMBER You may contact (xxx) xxx-xxxx for emergency medical treatment information.)</p>	

NOTE TO PHYSICIAN

Probable mucosal damage may contraindicate the use of gastric lavage. See (side) (back) panel for additional precautionary statements.

FRONT, BACK, OR SIDE PANEL

EPA REG. NO. 1839-247
 EPA EST. NO. 1839-IL-01 (XXX-XX-XX)

Bracketed information is denoted as: [insert as noted], (optional text), [required], <note>. The term "this product" used throughout this document may be replaced with the marketed product brand name. The term "x" is a place holder for numerical digits. Punctuation and plural/singular word forms may be adjusted to allow for grammatical correctness. Appropriate metric or imperial unit may be added as optional, supplemental information.

STEPAN COMPANY

22 West Frontage Road Northfield, IL 60093

MARKETING CLAIMS

General

- (COMMERCIAL) (INDUSTRIAL) (INSTITUTIONAL) LAUNDRY SANITIZER
- (COMMERCIAL) (INDUSTRIAL) (INSTITUTIONAL) LAUNDRY SELF-SANITIZER
- (COMMERCIAL) (INDUSTRIAL) (INSTITUTIONAL) LAUNDRY RESIDUAL BACTERIOSTAT
- (COMMERCIAL) (INDUSTRIAL) (INSTITUTIONAL) LAUNDRY DEODORIZER
- KILLS GERMS ON COMMERCIAL LAUNDRY
- Kills (*Staphylococcus aureus*) (and) (*Klebsiella pneumoniae*)
- Use this product for fresher laundry.
- This product is for use in: {insert use site from page 3}
- Use this product in (hospital)(institutional)(and)(or)(industrial) laundry operations for control of microorganisms.
- This product is designed to provide effective sanitization of laundry.
- For Commercial, Industrial or Institutional Laundry (Use) (Operations).
- This product can be used as part of a laundry program for hygienically clean laundry.
- This product is an economical concentrate.
- Bleach Free
- Chlorine Free
- Laundry Sanitizer Concentrate and Residual Self-Sanitizer for control of bacteria on fabrics and Residual Bacteriostat for prevention of odors. This product will sanitize, impart to fabric a residual self-sanitizing and residual bacteriostatic finish.
- This product is designed for use in commercial, industrial and institutional laundry operations.

(Note to Reviewer: the following optional statement can appear anywhere on the label.)

- A list of (this product's) ingredients is available at (insert company website).
- (Visit)(see) [insert company website] for a list of this product's ingredients

SANITIZING CLAIMS

- (Laundry) Sanitizer
- Sanitizes (and) (Hygienically clean) laundry
- Formulated for Effective (laundry sanitization) (Sanitization of Laundry).
- This product will sanitize fabrics reducing bacteria that still survive on finished clean fabrics after laundering.
- Sanitizes fabrics (reducing bacterial count by (kills greater than) 99.9%)
- Reduces bacterial count by 99.9% on laundered fabric
- EFFICACY TESTS HAVE DEMONSTRATED THAT THIS PRODUCT IS AN EFFECTIVE LAUNDRY SANITIZER AGAINST STAPHYLOCOCCUS AUREUS (ATCC 6538) AND KLEBSIELLA PNEUMONIAE (ATCC 4352) IN WATER UP TO 200 PPM HARDNESS.

SELF-SANITIZING CLAIMS

- (This product's) (The) residual self-sanitizing activity reduces the number of bacteria that can grow under moist storage conditions.

- This product kills bacteria on fabric during storage, transport and handling.
- This product kills organisms which act on urine to produce ammonia in diapers and wet bed linens.
- This product can be used as a part of laundry housekeeping programs (for odor control of fabrics) (for hygienically clean fabrics).
- Add to (final) rinse for hygienically clean laundry.
- This product's imparts a residual self-sanitizing finish (to effectively protect fabric against bacterial growth caused by moisture and wet contamination).
- Kills (lingering) bacteria on laundry.
- EFFICACY TESTS HAVE DEMONSTRATED THAT THIS PRODUCT IS AN EFFECTIVE LAUNDRY RESIDUAL SELF-SANITIZER AGAINST STAPHYLOCOCCUS AUREUS (ATCC 6538) AND KLEBSIELLA PNEUMONIAE (ATCC 4352) IN WATER UP TO 200 PPM HARDNESS.

BACTERIOSTATIC AGAINST ODOR-CAUSING BACTERIA AND DEODORIZING CLAIMS

- This product controls musty odors and discoloration on fabrics (due to) (caused by) (bacteria)
- This product controls bacteria (growth) (on fabrics) that can cause odors (malodors).
- This product can be used as a part of laundry housekeeping programs (for odor control of fabrics) (for hygienically clean fabrics).
- This product inhibits the growth of microorganisms which act on urine to produce ammonia in diapers and wet bed linens.
- Hygienically clean (laundry) (and) (linens)
- Add to (final) rinse to control odor for hygienically clean laundry.
- This product inhibits growth of microorganisms on fabric during storage, transport and handling.
- This product imparts a residual bacteriostatic finish to effectively protect fabric bacteria that can cause odors with moisture and wet contamination.
- TESTS HAVE DEMONSTRATED THAT THIS PRODUCT IS AN EFFECTIVE LAUNDRY RESIDUAL BACTERIOSTAT TO CONTROL ODORS IN WATER UP TO 200 PPM HARDNESS.

USE SITES

Product label may list fabric or site and/or a graphic representative of the use sites below.

Laundry Use Sites: (Commercial, Institutional and Industrial)			
Hospitals	Nursing Homes	Institutional Facilities	Hotels (and)(Motels)
Clinics	Institutions	Health Clubs	Factories
Funeral Homes	Laboratories	Athletic Facilities	Schools
Restaurants	Colleges	Commercial (laundry facilities)(launderer)	Prisons(Jails)

Type of Articles			
Athletic Apparel	Linens	Wash Cloths	Bedspreads
Bedding (Bed) (Sheets)	Uniforms	(Gym) (Sports) (Clothes) (garments)	Pillowcases

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Table sheets	Towels	Curtains	Undergarments (Underwear)
Non-disposable Diaper	Reusable Cloth Diaper		

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. This product can be added manually or using an auto dispensing unit.

Laundry Sanitizing

Add 7.41 fluid ounces of this product per 100 lbs. of dry laundry [7.41 fluid ounces to 60 gallons rinse water] to the final rinse cycle water. Rinse water should be warm water 38° - 45° C (100.4° - 113° F). A minimum rinse cycle time of 3 minutes is required.

At this rate, this product sanitizes fabrics against odor-causing [(Gram positive) (Staphylococcus aureus)] and [(Gram negative) (Klebsiella pneumoniae)] organisms and imparts to the fabric residual self-sanitizing and residual bacteriostatic finish.

Residual Laundry Self-Sanitizing

This product provides fabric with residual self-sanitizing activity against odor-causing [(Gram positive) (Staphylococcus aureus)] and [(Gram negative) (Klebsiella pneumoniae)] organisms under conditions of high relative humidity or wet contamination, for a minimum of 30 minutes holding when 3.71 fluid ounces of this product are added per 100 lbs. of dry laundry [3.71 fluid ounces to 60 gallons rinse water] to the final rinse cycle water. A minimum rinse cycle time of 3 minutes is required.

(AND/OR)

This product provides fabric with residual self-sanitizing activity against odor-causing [(Gram positive) (Staphylococcus aureus)] and [(Gram negative) (Klebsiella pneumoniae)] organisms under conditions of high relative humidity or wet contamination, for a minimum 24 hour holding when 1.06 fluid ounces of this product are added per 100 lbs. of dry laundry [1.06 fluid ounces to 60 gallons rinse water] to the final rinse cycle water. A minimum rinse cycle time of 3 minutes is required.

Residual Laundry Bacteriostat against ODOR-CAUSING BACTERIA

Add 1.27 fluid ounces of this product per 100 lbs. of dry laundry [1.27 fluid ounces to 60 gallons rinse water] to the final rinse cycle water. A minimum rinse cycle time of 3 minutes is required. At this rate, this product provides, to the fabric, a residual bacteriostatic activity against ODOR-CAUSING BACTERIA.

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 swallowed, inhaled or absorbed through skin. Do not get in eyes, on skin or on clothing. Do not breathe vapor or spray mist. Wear a NIOSH approved particulate respirator with any N, R, or P filter NIOSH approval number prefix, TC-84A. Wear goggles, face shield, or safety glasses. Wear waterproof gloves, coveralls worn over long-sleeved shirt and long pants, long-sleeved shirt, long pants, socks, and chemical-resistant footwear. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove contaminated clothing and wash before reuse.

(Required for containers 5 gallons or greater)

ENVIRONMENTAL HAZARDS

This product is toxic to fish. 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

DO NOT CONTAMINATE WATER, FOOD, OR FEED BY STORAGE OR DISPOSAL.

PESTICIDE STORAGE - Store in a dry place no lower in temperature than 50°F or higher than 120°F. Store in an area inaccessible to children.

(for products with industrial, institutional and commercial use sites)

CONTAINER DISPOSAL – Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Triple rinse container promptly after emptying.

(Containers 5 gallons or less)

Triple rinse as follows: Fill container ¼ full with water and recap. Agitate vigorously. Follow Pesticide Disposal instructions for rinsate disposal. Drain for 10 seconds after the flow begins to drip. Repeat procedure two more times. Then offer for recycling or reconditioning. If not available, puncture and dispose in a sanitary landfill.

(Containers greater than 5 gallons):

Triple rinse as follows: Fill container ¼ full with water. 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. Follow Pesticide Disposal instructions for rinsate disposal. Repeat this procedure two more times. Then offer for recycling or reconditioning. If not available, puncture and dispose in a sanitary landfill.

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.

PHYSICAL AND CHEMICAL HAZARDS

COMBUSTIBLE. Do not use or store near open heat or flame.