

Mr. Thomas W. Isaac
Sr. Regulatory Specialist
Stepan Company
22 W. Frontage Rd.
Northfield, IL 60093

JUL 16 2002

Subject: Liquid-Pak Neutral Disinfectant Cleaner
EPA Registration No. 1839-176
Application Date: 4/29/02
Receipt Date: 5/01/02

Dear Mr. Isaac:

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

- . Update First Aid Statements as per PR Notice 2001-1
- . Addition of optional Toilet Bowl Disinfection language
- . Revise Precautionary Statements

CONDITIONS

Revise your optional directions for disinfecting toilet bowls to read:

Remove gross filth or soils from surfaces with bowl brush prior to disinfection. Remove or expel over the inner trap the residual bowl water. Make a dilute solution by dissolving one (1) packet in one (1) quart of water. If a larger quantity is desired, refer to dilution chart above. Apply use solution with a mop, cloth, sponge or hand pump trigger sprayer so as to wet all surfaces thoroughly. Allow to **remain** wet for 10 minutes, then remove excess liquid. Brush or swab the bowl completely, using a scrub brush or toilet mop, making sure to get under the rim. Let stand for 10 minutes and flush.

GENERAL COMMENTS

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

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Should you have any questions or comments concerning this letter, please contact Zenobia Jones at (703) 308-6198.

Sincerely,



Velma Noble
Product Manager 31
Regulatory Management Branch 1
Antimicrobial Division (7510C)

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Liquid-Pak Neutral Disinfectant Cleaner

CLEANER
DETERGENT
* VIRUCIDE

DISINFECTANT
DEODORIZER

ACTIVE INGREDIENTS

Octyl decyl dimethyl ammonium chloride	15.24%
Dioctyl dimethyl ammonium chloride	7.62%
Didecyl dimethyl ammonium chloride	7.62%
Alkyl (50% C ₁₄ , 40% C ₁₂ , 10% C ₁₆) dimethyl benzyl ammonium chloride	20.32%
INERT INGREDIENTS	<u>49.20%</u>
Total	100.00%

KEEP OUT OF REACH OF CHILDREN

DANGER

See side panels for additional precautionary statements.

EPA REG. NO. 1839-176
EPA EST. NO. 1839-IL-01

STEPAN COMPANY
22 West Frontage Road • Northfield, IL 60093

NET CONTENTS

Water Soluble Packets, each containing 0.794 ounces of product
Water Soluble Packets, each containing 0.0993 ounces of product

ACCEPTED
with COMMENTS
in EPA Letter Dated:

(middle panel)
JUL 18 2002

Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
amended, for the pesticide,
registered under EPA Reg. No. 1839-176

Amend 04/29/02

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DIRECTIONS FOR USE

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

This product is a phosphate-free formulation designed to provide effective cleaning, deodorizing, and disinfection for hospitals, nursing homes, hotels, schools, and restaurants where housekeeping is of prime importance in controlling cross-contamination from treated surfaces.

This product, when used as directed, is formulated to disinfect hard non-porous inanimate environmental surfaces such as floors, walls, metal surfaces, stainless steel surfaces, glazed porcelain, glazed ceramic tile, plastic surfaces, bathrooms, shower stalls, bathtubs, and cabinets. For larger areas such as operating rooms and patient care facilities, this product is designed to provide both general cleaning and disinfecting.

This product deodorizes those areas which generally are hard to keep fresh smelling, such as garbage storage areas, empty garbage bins and cans, toilet bowls, and other areas which are prone to odors caused by microorganisms.

This product is not 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 bloodstream 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 is formulated to a neutral pH and will not dull high-gloss floor finishes with repeated use.

This product is a water-soluble packet. Follow label dilution instructions by dropping packet directly into water. Do not remove packets before use. Store in cool dry place. Do not handle packets with wet hands.

GENERAL CLEANING & DEODORIZATION – Apply product to soiled area with a mop, cloth, sponge, or hand pump trigger sprayer. Product must be diluted as indicated in the DISINFECTION section. Thoroughly wet soiled surface and scrub as necessary. Rinse surface with potable water and wipe dry with a dry paper towel or lint-free cloth.

DISINFECTION - To disinfect inanimate, hard, non-porous surfaces use the appropriate size premeasured packet.

<u>Packet Size</u>	<u>Net Weight</u>	<u>Number of Packets</u>	<u>Dilution</u>
Small	0.0993 ounce	1	Quart
Large	0.794 ounce	1	2 gallons
Large	1.59 ounce	2	4 gallons

Stir gently to form a uniform solution. Apply solution with a mop, cloth, sponge, or hand pump trigger sprayer so as to wet all surfaces thoroughly. Allow to remain wet for 10 minutes, then remove excess liquid.

For heavily soiled areas, a pre-cleaning step is required. Prepare a fresh solution for each use.

(Choose one of the following Toilet Bowl paragraphs):

TO DISINFECT TOILET BOWLS: Remove gross filth or soils from surfaces with bowl brush prior to disinfection. Add 2 small, premeasured packets (0.0993 ounce each) or 1 large, premeasured packet (0.794 ounce) of product to bowl water. Brush or swab the bowl completely using a scrub brush or toilet mop making sure to get under the rim. Let stand for 10 minutes and flush.

(Optional): **TO DISINFECT TOILET BOWLS:** Remove gross filth or soils from surfaces with bowl brush prior to disinfection. Remove or expel over the inner trap the residual bowl water. Apply pre-diluted use solution with a mop, cloth, sponge, or hand pump trigger sprayer, so as to wet all surfaces thoroughly. Allow to remain wet for 10 minutes, then remove excess liquid. Brush or swab the bowl completely, using a scrub brush or toilet mop, making sure to get under the rim. Let stand for 10 minutes and flush.

TO DISINFECT RESTAURANT FOOD CONTACT SURFACES: countertops, appliances, tables, add the appropriate size premeasured packed as indicated in the DISINFECTION section. Apply solution with a cloth, sponge, or hand pump trigger sprayer so as to wet all surfaces thoroughly. Allow the surface to remain wet for 10 minutes, then remove excess liquid and rinse the surface with potable water. This product cannot be used to clean the following food contact surfaces: utensils, glassware and dishes.

EFFICACY TESTS HAVE DEMONSTRATED THAT THIS PRODUCT IS AN EFFECTIVE BACTERICIDE AND VIRUCIDE IN WATER UP TO 400 PPM HARDNESS (AS CaCO₃) IN THE PRESENCE OF ORGANIC SOIL (5% BLOOD SERUM).

BACTERICIDAL ACTIVITY – When diluted as indicated in the DISINFECTION section, this product demonstrates effective disinfectant activity against the organisms: *Pseudomonas aeruginosa*, *Salmonella choleraesuis*, and *Staphylococcus aureus*.

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