

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

APR 11 2001

Stepan Company  
22 W. Frontage Rd.  
Northfield, IL 60093

Subject: Liquid Pak Neutral Disinfectant Cleaner  
EPA Registration No. 1839-176  
Amendment Dated October 4, 2000

Attn: Thomas W. Isaac  
Sr. Regulatory Specialist

The amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable for the addition of the hand pump trigger sprayer; however, the "Statements of Practical Treatment" will need to be updated in accordance with PR Notice 2001-1. (For guidance: [www.epa.gov/opppmsd1/PR\\_Notices/pr2000-1.pdf](http://www.epa.gov/opppmsd1/PR_Notices/pr2000-1.pdf))

Please see the attached "Toxicity Results". A stamped copy of the label is enclosed for your records. Submit one (1) copy of the final printed label before this product is released for shipment.

If you have any questions concerning the comments in this letter, you should contact Zenobia Jones at (703) 308-6198.

Sincerely,



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

CONCURRENCES							
SYMBOL	7510C						
SURNAME	Z. Jones						
DATE	4-11-01						

# 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 <sub>14</sub> , 40% C <sub>12</sub> , 10% C <sub>16</sub> ) dimethyl benzyl ammonium chloride .....	20.32%
<b>INERT INGREDIENTS .....</b>	<b>49.20%</b>
<b>Total</b>	<b>100.00%</b>

**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

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

APR 11 2001

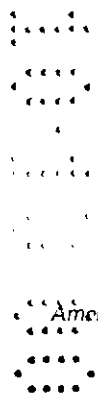
STEPAN COMPANY  
22 West Frontage Road • Northfield, IL 60093

1839-176

### NET CONTENTS

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

(middle panel)



Amend 10/03/00

### 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.

**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.

**TO DISINFECT RESTAURANT FOOD CONTACT SURFACES:** countertops, appliances, tables, use the appropriate size premeasured packet 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 can not 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 CaCO<sub>3</sub>) 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*.

ACCEPTED  
FOR COMPLIANCE  
EPA Letter D-1002

Stepan Company  
Northfield, IL 60093  
EPA Reg. No. 176-103-00-000

APR 11 2001

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Amend 10/03/00

1839-176

\* **VIRUCIDAL ACTIVITY** - This product when used on environmental, inanimate hard non-porous surfaces at one large (0.794 ounce) packet per 2 gallons of water or one small packet (0.0993 ounce) per quart of water exhibits effective virucidal activity against HIV-1.

**KILLS HIV-1 ON PRE-CLEANED ENVIRONMENTAL SURFACES/OBJECTS PREVIOUSLY SOILED WITH BLOOD/BODY FLUIDS** in health care settings (Hospitals, Nursing Homes) or other settings in which there is an expected likelihood of soiling of inanimate surfaces/objects with blood or body fluids, and in which the surfaces/objects likely to be soiled with blood or body fluids can be associated with the potential for transmission of Human Immunodeficiency Virus Type 1 (HIV-1) (associated with AIDS).

**SPECIAL INSTRUCTIONS FOR CLEANING AND DECONTAMINATION AGAINST HIV-1 OF SURFACES/OBJECTS SOILED WITH BLOOD/BODY FLUIDS.**

**PERSONAL PROTECTION:** When handling items soiled with blood or body fluids, use disposable latex gloves, gowns, masks, or eye coverings.

**CLEANING PROCEDURES:** Blood and other body fluids must be thoroughly cleaned from surfaces and objects before application of this product.

**CONTACT TIME:** Allow surface to remain wet for 10 minutes.

**DISPOSAL OF INFECTIOUS MATERIALS:** Blood and other body fluids should be autoclaved and disposed of according to local regulations for infectious waste disposal.

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS  
DANGER**

**KEEP OUT OF REACH OF CHILDREN. CORROSIVE.** Causes skin burns and irreversible eye damage. May be fatal if absorbed through skin. Harmful if swallowed. Do not get in eyes, on skin or on clothing. Wear protective goggles or face shield, protective clothing and rubber (or chemical resistant) gloves. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco. Remove contaminated clothing and wash clothing before reuse.

**STATEMENT OF PRACTICAL TREATMENT**

**IF IN EYES:** Hold eyelids open and flush with a steady, gentle stream of water for 15 minutes. Get medical attention.

**IF ON SKIN:** Wash with plenty of soap and water. Get medical attention.

**IF SWALLOWED:** Call a doctor or get medical attention. Do not induce vomiting or give anything by mouth to an unconscious person. Drink promptly a large quantity of milk, egg whites, gelatin solution, or if these are not available, drink large quantities of water. Avoid alcohol.

**NOTE TO PHYSICIAN**

Probable mucosal damage may contraindicate the use of gastric lavage.

**ENVIRONMENTAL HAZARDS**

This pesticide 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.**

**STORAGE** - Store in a dry place no lower in temperature than 50°F or higher than 120°F.

**CONTAINER DISPOSAL** - Do not reuse container (bottle, can, or jar). Rinse thoroughly before discarding in trash.

**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.

Stepan Company  
Northfield, IL 60093  
EPA Reg. No.

ACCEPTED  
with COMMENTS  
in EPA Letter #221

(right panel)

Amend 10/03/00

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