

MAR 04 1992

Stepan Company  
22 West Frontage Road  
Northfield, IL 60093

Attention: Leo Dringoli  
Manager, Product Registration

Gentlemen:

Subject: NP 3.2 Detergent/Disinfectant  
EPA Registration No. 1839-78  
Your Submission Dated January 21, 1992

The amendment referred to above, submitted in connection with registration under FIFRA, is acceptable provided that you:

1. Make the labeling changes listed below before you release the product for shipment bearing the amended labeling.
  - a. Add the word: "corrosive."
  - b. Delete "Measures against circulatory shock as well as oxygen and measures to support breathing manually or mechanically may be needed."
  - c. Add the statement: Wash thoroughly with soap and water after handling.

**BEST AVAILABLE COPY**

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CONCURRENCES							
SYMBOL							
SURNAME							
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2. Your release for shipment of the product bearing the amended labeling constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

Sincerely yours,

John H. Lee   
Product Manager (31)  
Antimicrobial Program Branch  
Registration Division (H7505C)

Enclosure

## DIRECTIONS FOR USE

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

NP 3.2 Detergent/Disinfectant is a phosphate-free formulation designed to provide effective cleaning, deodorizing, sanitization and disinfection specifically for hospitals, nursing homes, schools, food processing plants, food service establishments and other institutions where housekeeping is of prime importance in controlling the hazard of cross contamination.

NP 3.2 Detergent/Disinfectant, when used as directed, is formulated to disinfect inanimate hard surfaces such as walls, floors, sink tops, toilet bowls, tables, chairs, telephones, and bed frames. For larger areas such as operating rooms, patient care facilities and restrooms, this product is designed to provide both general cleaning and disinfecting.

NP 3.2 Detergent/Disinfectant will sanitize previously cleaned and rinsed non-porous food contact surfaces such as tanks, chopping blocks, counter tops, drinking glasses and eating utensils.

**DISINFECTION** - To disinfect inanimate, hard surfaces apply solution with a mop, cloth, sponge or mechanical sprayer so as to wet all surfaces thoroughly. Allow to remain wet for 10 minutes, then remove excess liquid.

**GENERAL DISINFECTION** - Add 2 ounces NP 3.2 Detergent/Disinfectant per gallon of water.

**HOSPITAL DISINFECTION** - Add 3 ounces NP 3.2 Detergent/Disinfectant per gallon of water.

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

To disinfect toilet bowls, flush toilet, add 2 ounces NP 3.2 Detergent/Disinfectant directly to the bowl water. Scrub the bowl completely using a scrub brush or toilet mop, making sure to get under the rim. Let stand for 10 minutes and flush.

**SANITIZATION** - To sanitize previously cleaned and rinsed non-porous food contact surfaces prepare a 200 ppm active quaternary solution by adding 4 ounces NP 3.2 Detergent/Disinfectant to 5 gallons of water.

To sanitize immobile items such as tanks, chopping blocks and counter tops, flood the area with a 200 ppm active quaternary solution or apply with a cloth or sponge making sure to wet all surfaces completely for at least 60 seconds. Let air dry. Prepare a fresh solution for each use.

To sanitize mobile items such as drinking glasses and eating utensils, immerse in a 200 ppm active quaternary solution for at least 60 seconds making sure to immerse completely. Remove and let air dry. Prepare a fresh solution daily or more frequently as soil is apparent.

When used for sanitization of previously cleaned food equipment or food contact items, limit active quaternaries to 200 ppm. **NO POTABLE WATER REQUIRED.** NP 3.2 Detergent/Disinfectant is an effective sanitizer when used in water up to 250 ppm hardness (as  $\text{CaCO}_3$ ).

**BACTERICIDAL ACTIVITY** - When diluted at the rate of 2 ounces per gallon of water, NP 3.2 Detergent/Disinfectant exhibits effective disinfectant activity against the organisms: Enterobacter aerogenes, Escherichia coli, Klebsiella pneumoniae, Salmonella schottmuelkii, Salmonella choleraesuis, Brevibacterium ammoniagenes, Streptococcus faecalis, Shigella dysenteriae, and Staphylococcus aureus.

When diluted at the rate of 3 ounces per gallon of water, NP 3.2 Detergent/Disinfectant exhibits effective disinfectant activity against Pseudomonas aeruginosa in addition to the above microorganisms and meets all requirements for hospital use.

**\*VIRUCIDAL ACTIVITY** - NP 3.2 Detergent/Disinfectant when used on environmental hard surfaces at 2 ounces per gallon of water exhibits effective virucidal activity against influenza A2/Japan (representative of the common flu virus), Herpes simplex type 1 (causative agent of fever blisters), Adenovirus type 2 (causative agent of upper respiratory infections), and Vaccinia virus (representative of the pox virus group).

# Stepan

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Northfield, IL 60093

## NP 3.2 Detergent/Disinfectant

CLEANER  
DETERGENT  
DEODORIZER  
SANITIZER  
MILDEWSTAT (on hard  
inanimate surfaces)

DISINFECTANT  
FUNGICIDE (against  
Pathogenic fungi)  
\*VIRUCIDE

### ACTIVE INGREDIENTS

n-Alkyl (60% $\text{C}_{14}$ , 30% $\text{C}_{16}$ , 5% $\text{C}_{12}$ , 5% $\text{C}_{18}$ ) dimethyl benzyl ammonium chlorides	1.60%
n-Alkyl (68% $\text{C}_{12}$ , 32% $\text{C}_{14}$ ) dimethyl ethylbenzyl ammonium chlorides	1.60%
INERT INGREDIENTS	96.80%
Total	100.00%

EPA REG. NO. 1839-78  
EPA EST. NO. 1839-IL-01

KEEP OUT OF REACH OF CHILDREN

## DANGER

See side panels for additional precautionary statements.

NET CONTENTS

ACCEPTED  
with COMMENTS  
In EPA Reg. No. 1839-78

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MILDEWSTAT - To control mildew on surfaces add 2 ounces of NP 3.2 mop or sponge making sure to use a fresh solution for each use. mildew growth appears.

At the 2 ounces per gallon of fungicidal against the pathogen.

EFFICACY TESTS HAVE DEMONSTRATED THAT NP 3.2 DETERGENT/DISINFECTANT IS AN EFFECTIVE VIRUCIDE IN THE PRESENCE OF

### PRECAUTIONS HAZARDS TO HUMANS

KEEP OUT OF REACH OF CHILDREN  
Do not get in eyes, on skin or rubber gloves when handling contamination of food.

### STATEMENTS

In case of contact, immediately wash with water for 15 minutes. For eyes, call a physician immediately.

If swallowed, drink promptly a large amount of water. If these are not available, drink physician immediately.

### NOTES

Probable mucosal damage may occur. Measures against circulatory system should be taken. breathing manually or mechanically.

### STORAGE

DO NOT CONTAMINATE WATER

STORAGE - Store in a dry place below 120°F.

CONTAINER DISPOSAL - Do not pour into water. Return container with water. Return puncture and dispose of in a sanitary landfill, incinerated, or burned stay out of flames.

PESTICIDE DISPOSAL - Pesticide disposal of excess pesticide, or Law. If these wastes cannot be disposed of by the State or local authorities, contact your State or local Hazardous Waste representative for guidance.