

PM 31 1839-144 10/4
UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

NOV 21 1994

Stepan Chemical Company
22 West Frontage Road
Northfield, IL 60093

Attention: Bruce L. Greene
Regulatory Chemist

Subject: NP 5.5 HW (D&F) Detergent/Disinfectant
EPA Registration No. 1839-144
MOU Compliance Amendment dated October 4, 1994

The amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable.

The labeling submitted in compliance with PR Notice 94-4 is acceptable. A stamped copy is enclosed for your records.

If you have any questions concerning this letter, please contact Wanda Mitchell at (703) 305-6141.

Sincerely,

WCF

Walter C. Francis
Acting Product Manager (31)
Antimicrobial Program Branch
Registration Division (7505C)

CONCURRENCES

SYMBOL							
SURNAME							
DATE							

Stepan S

Stepan Company
Northfield, IL 60093

2044

NP 5.5 HW (D&F) Detergent/Disinfectant

CLEANER
DETERGENT
DEODORIZER
SANITIZER (non-food
contact surfaces)
MILDEWSTAT (on hard,
inanimate surfaces)

DISINFECTANT
FUNGICIDE (Against
pathogenic fungi)
VIRUCIDE *

ACTIVE INGREDIENTS

Octyl decyl dimethyl ammonium chloride	1.650%
Dioctyl dimethyl ammonium chloride	0.825%
Didecyl dimethyl ammonium chloride	0.825%
Alkyl (50% C ₁₄ , 40% C ₁₂ , 10% C ₁₆) dimethyl benzyl ammonium chlorides	2.200%
INERT INGREDIENTS	<u>94.500%</u>
TOTAL	100.000%

EPA REG. No. 1839-144
EPA EST. No. 1839-IL-01

KEEP OUT OF REACH OF CHILDREN
DANGER

See side panel for additional precautionary statements

ACCEPTED
with COMMENTS
in EPA Letter Dated:

NOV 21 1994

Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
amended, the pesticide
is registered under EPA Reg. No.

1839-144

NET CONTENTS

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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.

NP 5.5 HW (D&F) Detergent/Disinfectant is a phosphate-free formulation designed to provide effective cleaning, deodorizing, non-food contact sanitizing, and disinfection specifically for hospitals, nursing homes, schools, food processing plants, and other institutions where housekeeping is of prime importance in controlling the hazard of cross contamination.

This product, when used as directed, is formulated to disinfect inanimate hard surfaces such as walls, floors, sink tops, toilet bowls, tables, chairs, telephones, and bedframes. For larger areas, such as operating rooms, patient care facilities, and restrooms, this product is designed to provide general cleaning, disinfecting, and sanitizing of non-food contact surfaces.

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 to 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 the 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 may be used to pre-clean or decontaminate critical or semi-critical medical devices prior to sterilization or high level disinfection.

EFFICACY TESTS HAVE DEMONSTRATED THAT THIS PRODUCT IS AN EFFECTIVE BACTERICIDE, FUNGICIDE, AND VIRUCIDE IN WATER UP TO 400 PPM HARDNESS (AS CaCO_3) IN THE PRESENCE OF ORGANIC SOIL (5% BLOOD SERUM).

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

GENERAL DISINFECTION - Add 1¼ ounces of this product per gallon of water.

HOSPITAL DISINFECTION - Add 2 ounces of this product per gallon of water.

To disinfect toilet bowls, flush toilet, add 1¼ ounces of this product directly to the bowl water. Swab the bowl completely using a scrub brush or toilet mop, making sure to get under the rim. Let stand 10 minutes and flush.

SANITIZATION OF NON-FOOD CONTACT SURFACES - To sanitize porous and non-porous environmental surfaces such as floors, walls, tables, add 1 ounce of this product per 2½ gallons of water. Apply solution with a mop, cloth, sponge or mechanical sprayer so as to wet all surfaces thoroughly. Allow to remain wet for 60 seconds, then remove excess liquid. For heavily soiled areas, a pre-cleaning step required. Prepare a fresh solution for each use. This product is an effective sanitizer against *Staphylococcus aureus* and *Klebsiella pneumoniae*.

BACTERICIDAL ACTIVITY - When diluted at the rate of 2 ounces per gallon of water, this product exhibits effective disinfectant activity against the organisms: *Escherichia coli*, *Klebsiella pneumoniae*, *Salmonella choleraesuis*, *Staphylococcus aureus*, *Streptococcus pyogenes*, *Enterobacter aerogenes*, *Streptococcus faecalis*, *Shigella dysenteriae*, *Brevibacterium ammoniagenes*, *Salmonella typhi*, and *Serratia marcescens*.

When diluted at the rate of 2 ounces per gallon of water, this product exhibits effective disinfectant activity against *Pseudomonas aeruginosa* in addition to the above microorganisms and meets all requirements for hospital use.

*** VIRUCIDAL ACTIVITY** - This product when used on environmental, non-porous, inanimate, hard surfaces at 1¼ ounces per gallon of water exhibits effective virucidal activity against Influenza A/Brazil (lower respiratory tract disease).

MILDEWSTAT - To control mold and mildew on pre-cleaned, hard, non-porous surfaces add 1¼ ounces of this product per gallon of water. Apply solution with a cloth, mop or sponge making sure to wet all surfaces completely. Let air dry. Prepare a fresh solution for each use. Repeat application at weekly intervals or when mildew growth appears.

FUNGICIDAL ACTIVITY - At the 2 ounces per gallon dilution, this product is fungicidal against the pathogenic fungi, *Trichophyton mentagrophytes* (athlete's foot fungus) when used on hard surfaces in such areas as locker rooms, dressing rooms, shower and bath areas, and in exercise facilities.

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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 severe eye and skin damage. Do not get in eyes, on skin or on clothing. Wear goggles or face shield and rubber gloves when handling. Harmful or fatal if swallowed. Avoid contamination of food. Remove contaminated clothing and wash before reuse. Wash thoroughly with soap and water after handling.

STATEMENT OF PRACTICAL TREATMENT

In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. For eyes, call a physician. Remove and wash contaminated clothing before reuse. If swallowed, drink egg whites or gelatin solution, or if these are not available, drink large quantities of water. Call physician immediately.

NOTE TO PHYSICIAN

Probable mucosal damage may contraindicate the use of gastric lavage.

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 empty container. Triple rinse empty container with water. Return metal drum then offer for reconditioning or puncture and dispose of in a sanitary landfill, or by other procedures approved by State and local authorities. Plastic containers may be disposed of in a sanitary landfill, incinerated, or if allowed by local authorities, by burning. If burned stay out of smoke.

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.

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