

DIRECTIONS FOR USE

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

NP 22.0 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.

NP 22.0 HW (D&F) Detergent/Disinfectant, when used as directed, is formulated to disinfect inanimate hard surfaces such as walls, floors, sink tops, toilet bowl, 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.

NP 22.0 HW (D&F) Detergent/Disinfectant 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.

EFFICACY TESTS HAVE DEMONSTRATED THAT NP 22.0 HW (D&F) DETERGENT/DISINFECTANT 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, add $\frac{1}{2}$ ounce NP 22.0 HW (D&F) Detergent/Disinfectant per gallon of water. 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. To disinfect toilet bowls, flush toilet, add $\frac{1}{2}$ ounce NP 22.0 HW (D&F) 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 10 minutes and flush.

SANITIZATION OF NON-FOOD CONTACT SURFACES - To sanitize porous and non-porous environmental surfaces such as floors, walls, tables, etc. add $\frac{1}{2}$ ounce of NP 22.0 HW (D&F) Detergent/Disinfectant per $\frac{5}{8}$ 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 is 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 $\frac{1}{2}$ ounce per gallon of water, NP 22.0 HW (D&F) Detergent/Disinfectant exhibits effective disinfection activity against the organisms: *Pseudomonas aeruginosa* PRD 10, *Escherichia coli*, *Klebsiella pneumoniae*, *Salmonella schottmuelleri*, *Salmonella choleraesuis*, *Staphylococcus aureus*, *Streptococcus pyogenes*, *Enterobacter aerogenes*, *Streptococcus faecalis*, *Shigella dysenteriae*, *Brevibacterium ammoniagenes*, *Salmonella typhi*, and *Serratia marcescens* and meets all requirements for hospital use.

MILDEWSTAT - To control mold and mildew on pre-cleaned, hard, non-porous surfaces add $\frac{1}{2}$ ounce of NP 22.0 HW (D&F) Detergent/Disinfectant 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 $\frac{1}{2}$ ounce per gallon dilution NP 22.0 HW (D&F) Detergent/Disinfectant is fungicidal against the pathogenic fungi, Trichophyton mentagrophytes (athlete's foot fungus) when used on hard surfaces such as locker rooms, dressing rooms, shower and bath areas, and in exercise facilities.

Stepan S

Stepan Company
Northfield, IL 60093

NP 22.0 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

n-Octyl decyl dimethyl ammonium chloride	6.510%
Di-n-octyl dimethyl ammonium chloride	3.255%
Di-n-decyl dimethyl ammonium chloride	3.255%
n-Alkyl (50% C_{14} , 40% C_{12} , 10% C_{10}) dimethyl benzyl ammonium chlorides	8.860%
INERT INGREDIENTS	78.300%

TOTAL 100.000%

EPA REG. No. 1839-147
EPA EST. No. 1839-IL-01

KEEP OUT OF REACH OF CHILDREN DANGER

See side panel for additional precautionary statements

NET CONTENTS

ACCEPTED

FEB 21 1990

Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under
EPA Reg. No. 1839-147

* **VIRUCIDAL ACTIVITY** - NP 22.0 HW (D&F) Detergent/Disinfectant on environmental inanimate hard surfaces at $\frac{1}{2}$ ounce per gallon of water exhibits effective virucidal activity against Influenza A/Brazil (lower respiratory tract disease), Herpes Simplex Type 1 (causative agent of fever blisters), Herpes Simplex Type 2 (genital disease) and Vaccinia virus (representative of the pox virus group).

KILLS HIV 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 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 NP 22.0 HW (D&F) Detergent/Disinfectant.

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 HAZARD 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 and wash contaminated clothing.

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 residue 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.