

Cross-contamination is of major housekeeping concern not only in hospitals, but in schools, institutions, and industry. **NIL-O-SAN II** has been formulated to aid in the reduction of cross-contamination in these areas.

NIL-O-SAN II is a one-step disinfectant cleaner that is effective against a broad spectrum of bacteria, is virucidal, fungicidal, and will prevent the growth of mold and mildew and their odors when used as directed.

NIL-O-SAN II is an effective one-step sanitizer-cleaner for use on non-food contact surfaces.

When used as directed, **NIL-O-SAN II** will deodorize surfaces in toilet areas, behind and under sinks and counters, garbage cans and garbage storage areas, and other places where bacterial growth can cause mal odors.

Precautionary Statements

Hazards to Humans and domestic animals

DANGER

Keep out of reach of children. Corrosive. Causes 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 if swallowed. Avoid contamination of food.

STORAGE AND DISPOSAL

- DO NOT CONTAMINATE WATER, FOOD, OR FEED BY STORAGE OR DISPOSAL.
- OPEN DUMPING IS PROHIBITED.
- DO NOT REUSE EMPTY CONTAINER.

PESTICIDE DISPOSAL

PESTICIDE SPRAY MIXTURE OR RINSE WATER THAT CANNOT BE USED ACCORDING TO LABEL INSTRUCTIONS MUST BE DISPOSED OF ACCORDING TO FEDERAL OR APPROVED STATE PROCEDURES UNDER SUBTITLE C OF THE RESOURCE CONSERVATION AND RECOVERY ACT.

CONTAINER DISPOSAL

TRIPLE RINSE (OR EQUIVALENT) THEN OFFER FOR RECYCLING OR RECONDITIONING OR ACCEPTANCE IN A SANITARY LANDFILL OR BY INCINERATION IF ALLOWED BY STATE AND LOCAL AUTHORITIES.

GENERAL

CONSULT FEDERAL, STATE OR LOCAL DISPOSAL AUTHORITIES FOR APPROVED ALTERNATIVE PROCEDURES.

JUN 21 1974
EPA Reg. No. 27053-2

NIL-O-SAN II

Disinfectant-Cleaner-Sanitizer-Fungicide
Mildewstat-Virucide*-Deodorizer
for Hospitals, Institutional and Industrial Use
Effective in hard water up to 400 ppm hardness
(calculated as CaCO₃) in the presence of 5% serum
contamination

Active Ingredients

Octyl decyl dimethyl ammonium chloride	1.650%
Dioctyl dimethyl ammonium chloride	0.825%
Didecyl dimethyl ammonium chloride	0.825%
Alkyl (C ₁₄ , 50%, C ₁₂ , 40%, C ₁₆ , 10%) dimethyl benzyl ammonium chloride	2.200%

Inert Ingredients

94.500%
100.000%

**KEEP OUT OF REACH OF CHILDREN
DANGER**

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 promptly a large quantity of milk, egg whites, gelatin solution, or if these are not available, drink large quantities of water. Avoid alcohol. Call a physician immediately.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression, and convulsion may be needed.

**SEE LEFT PANEL FOR ADDITIONAL
PRECAUTIONARY STATEMENTS**

EPA Registration No. 27053-2

EPA Establishment No. 27053-DH-01 - 27053-DH-02

Net Contents

MANUFACTURED BY:

NILODOR, INC. • 7740 Freedom Avenue NW North Canton, OH 44720

**For Sale For Use And Storage
By Maintenance Personnel Only**

Directions for Use

GENERAL CLASSIFICATION

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

NIL-O-SAN II is a proven one-step disinfectant-cleaner-sanitizer-fungicide-mildewstat-virucide which is effective in water up to 400 ppm hardness in the presence of 5% serum contamination.

Apply **NIL-O-SAN II** to walls, floors and other hard (non-metal) non-porous surfaces such as tables, chairs, countertops, sinks, tile, porcelain, and bedframes with a cloth, mop or mechanical spray device so as to thoroughly wet surfaces. For heavily soiled areas a preliminary cleaning is required. Prepare a fresh solution daily or when use solution becomes visibly dirty.

Disinfection - To disinfect hard non-porous surfaces, in hospitals add 2 oz. per gallon of water. Treated surfaces must remain wet for 10 minutes. At 1 1/2 oz. per gallon of water, **NIL-O-SAN II** will disinfect hard non-porous surfaces in school, industry and non-medical institutions.

2 oz. per gallon use-level
The activity of **NIL-O-SAN II** has been evaluated in the presence of 5% serum and 400 ppm hard water by the AOAC use dilution test and found to be effective against a broad spectrum of gram negative and gram positive organisms as represented by:

- Pseudomonas aeruginosa*
- Staphylococcus aureus*
- Salmonella choleraesuis*
- Escherichia coli*
- Streptococcus pyogenes*
- Klebsiella pneumoniae*
- Enterobacter aerogenes*
- Streptococcus faecalis*
- Shigella dysenteriae*
- Brevibacterium ammonigenes*
- Salmonella typhi*
- Serratia marcescens*

Herpes Simplex Type 2

For schools, industry and non-medical institution use. At 1 1/2 oz. per gallon of water, **NIL-O-SAN II** delivers excellent cleaning and germicide effectiveness. It is effective against *Staphylococcus aureus*, *Salmonella choleraesuis*, *Escherichia coli*, and *Serratia marcescens*. The same AOAC tests used to confirm performance for hospitals were used.

Fungicidal Control

NIL-O-SAN II is an effective fungicide against *Trichophyton mentagrophytes* (the athlete's foot fungus) when used on surfaces such as lockers, rooms, dressing rooms, shower and bath areas, etc. etc. at 2 oz. per gallon.

Mold and Mildew Control At 1 1/2 oz. per gallon, **NIL-O-SAN II** is effective in inhibiting the growth of mold and mildew and the odors caused by them when applied to hard non-porous surfaces (as indicated in general instructions above). Allow to dry on surface and repeat when mold or mildew growth returns.

Virucidal Performance At 1 1/2 oz. per gallon use-level, **NIL-O-SAN II** was evaluated and found to be effective in the presence of 5% serum and 400 ppm hard water against the following viruses: Influenza A, B, Herpes Simplex and Vaccinia on non-metal environmental surfaces.

Sanitizing Non-Food Contact Surfaces (such as floors, walls, tables, etc.) At 2 oz. per gallon use-level, **NIL-O-SAN II** is an effective sanitizer against *Staphylococcus aureus* and *Klebsiella pneumoniae* on hard porous and non-porous environmental surfaces. Treated surfaces must remain wet for 90 seconds.

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JUN 1984

Nil'Odor Inc.
7740 Freedom Avenue NW
North Canton, OH 44720

Attention: Harold Kehoe,
President

Gentlemen:

Subject: NIL-O-SAN II
EPA Registration No. 27053-2
Submission Date June 8, 1984

The amendment referred to above, submitted in connection with registration under FIFRA sec. 3(c)(7)(A), is acceptable, provided that you:

1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data.
2. Make the labeling changes listed below before you release the product for shipment bearing the amended labeling:
 - a. Delete the statement "Herpes Simplex Type 2" from the middle center panel. This organism is a virus, while all the remaining are a list of bacteria.
 - b. Revise the statement: (Virucidal Performance Section) "Influenza A/Brazil, Herpes Simplex and Vaccinia on inanimate environmental surfaces."

to read:

...Influenza A/Brazil, Herpes Simplex Type 1 and Type 2 and Vaccinia on inanimate environmental surfaces....

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FILE

CONCURRENCES							
SIGNATURE							
SURNAME							
DATE							

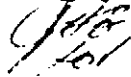
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3. Submit five (5) copies of your final printed labeling before you release the product for shipment.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). 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)
Disinfectants Branch
Registration Division (TS-767C)

Enclosure

RD/DIS:44303:J.Lee:eg:Raven:557-2226:RD-1:6/15/84:Del.6/29/84

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