

NCH Corporation
2727 Chemsearch Boulevard
Irving, TX 75062



Attention: C. Richard Stolley

FEB - 6 1989

Gentlemen:

Subject: Grenadier
EPA Registration No. 1769-259
Your Amended Application Dated May 5, 1988

The amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, is acceptable provided that you:

1. Make the labeling changes listed below before you release the product for shipment bearing the amended labeling.
 - a. Refer to the enclosed Efficacy Evaluation and Technical Efficacy Review - II, and revise your labeling in accordance with the labeling comments outlined there.
 - b. Refer to the enclosed document "Label Requirements for Antimicrobial Pesticides Used on Hard Surfaces Against HIV-1 (AIDS Virus)" for EPA's current labeling policy for efficacy claims. Your labeling must be revised in accordance with the requirements outlined in this policy notice.
 - c. The signal word "DANGER" must be placed directly below the statement "Keep Out of Reach of Children" (left panel only).
 - d. Revise the referral statement to read:

See side panel for additional precautionary statements.
 - e. Delete the last two sentences in the "Note To Physician" section.
 - f. Delete the words "General Classification."

50393:I:DeLaney:LL-9:KENC0:12/21/88:2/6/89:rw:vo:rw

CONCURRENCES


SYMBOL	SURNAME	DATE						

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

Your release for shipment of the product bearing the amended labeling constitutes acceptance of these conditions.

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

Sincerely yours,

John H. Lee 
Product Manager (31)
Antimicrobial Program Branch
Registration Division (TS-767C)

Enclosures

ACCEPTED
with COMMENTS
in EPA Letter Dated:

FEB - 6 1980

LEFT PANEL
NATIONAL CHEMSEARCH

GRENADIER

CLEANER - DEODORIZER - DISINFECTANT - FUNGICIDE

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

1769-259

ACTIVE INGREDIENTS:

n-Alkyl (60% C14, 30% C16, 5% C12, 5% C18) dimethyl benzyl ammonium chlorides.....	2.25%
n-Alkyl (68% C12, 32% C14) dimethyl ethylbenzyl ammonium chlorides.....	2.25%
INERT INGREDIENTS:.....	95.50%
TOTAL.....	100.00%

DANGER
KEEP OUT OF REACH OF CHILDREN

See side panel for additional precautions.

EPA Reg. No. 1769-259

NET CONTENTS:

National Chemsearch
Div. of NCH Corporation
2727 Chemsearch Blvd.
Irving, Texas 75062

BEST AVAILABLE COPY

CENTER PANEL

GRENADIER is a cleaner, disinfectant and sanitizer designed for institutional use, such as hospitals, nursing homes and schools where housekeeping will be of prime importance in controlling the hazard of cross contamination from environmental surfaces. GRENADIER can provide the assurance you need in this area, when used as directed. For use on floors, walls, sink tops, garbage pails, telephones, restrooms, bed pans and operating rooms. Effective against the HIV-1 (AIDS) virus, Staphylococcus aureus, Salmonella choleraesuis, Pseudomonas aeruginosa, Influenza A and Herpes Simplex Type I viruses carried on inanimate environmental surfaces.

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

DANGER

Harmful or fatal if swallowed. Do not get in eyes, on skin, or on clothing. Corrosive. Causes eye and skin damage. Wear goggles or face shield and rubber gloves when handling.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, as well as oxygen and measures to support breathing manually or mechanically may be needed. If persistent, convulsions may be controlled by the cautious intravenous injection of a short-acting barbiturate drug.

495

ACCEPTED
with COMMENTS
in EPA Letter Dated:

FEB - 6 1983

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1769-259

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: Call a physician or Poison Control Center immediately. If possible, vomiting should be induced under medical supervision. Drink one or two glasses of water and induce vomiting by touching the back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person.

IF INHALED: Remove victim to fresh air. Apply artificial respiration if indicated.

IF ON SKIN: Remove contaminated clothing and wash affected areas with soap and water.

IF IN EYES: Flush eyes with plenty of water. Call a physician immediately.

RIGHT PAGE

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

STORAGE: KEEP CONTAINER CLOSED.

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.

CONTAINER DISPOSAL: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incinerator, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

NOT FOR RESALE

BEST AVAILABLE COPY

DIRECTIONS FOR USE

GENERAL CLASSIFICATION

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

DISINFECTION: Use at 2 ounces per gallon. This product will be effective against *Pseudomonas aeruginosa* PRD-10 at this level. This has been substantiated by the AOAC Use Dilution Confirmation Test. At this level, the product is also fungicidal against the pathogenic fungi, trichophyton mentagrophytes. Remove gross filth and heavy soil deposits from surfaces prior to application of the recommended solution. To disinfect inanimate environmental surfaces (such as walls, resilient floors, sealed wooden floors, countertops, table tops), add 2 ounces of GRENADIER per gallon of water. Apply solution with mop, cloth or sponge. Rinse with potable water and let air dry.

To disinfect commodes, flush, then add 2 ounces of GRENADIER directly to the commode water. Swab the commode completely including under the rim with a toilet mop or scrub brush. Let stand for ten minutes and flush.

VIRUCIDAL ACTIVITY: The product when used on environmental inanimate hard surfaces at 2 ounces per gallon of water exhibits effective virucidal activity against the HIV-1 (AIDS) virus, Influenza A -Asian (representative of the common flu virus), Herpes simplex Type I (causative agent of fever blisters and mononucleosis), Adeno virus type 2 (causative agent of upper respiratory infections), and Vaccinia virus (representative of the pox virus group).

SANITIZATION: When used for sanitization of previously cleaned food equipment or food contact items limit active quaternaries to 200 ppm. Before sanitization, remove all gross food particles by pre-scraping and pre-wiping. Clean with a suitable detergent or other compatible cleaner and rinse with potable water. To sanitize food processing, meat packing and dairy equipment thoroughly. Flood the area with a solution of 2 ounces GRENADIER to 3 1/2 gallons of water (200 ppm active quaternary) or apply with a cloth or sponge. Make sure the entire surface is completely wet for at least 60 seconds. Drain solution from surface and allow to air dry. Prepare a fresh solution for each use.

TO REORDER:

In Texas, call 1-800-442-7950
Outside Texas, call 1-800-527-9921

(DATE)

EPA Est. No. 4140

CA-1 IN-1 NJ-1 PR-1 TX-1

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POST OFFICE