

JUL 22 1988

Mr. C. Richard Stolley
NCH Corporation
2727 Chemsearch Boulevard
Irving, TX 75062

Dear Mr. Stolley:

Subject: Root Out
EPA Registration No. 1769-255
Re: Dichlobenil Reregistration - Labeling
Your Submission Dated April 7, 1988

The above submission has been reviewed by our Agency. Your label is acceptable provided you make the following changes:

1. Place the EPA Establishment Number on the front panel, immediately before or following the EPA Registration Number.
2. The water contamination statement has been revised to read "Do not contaminate water when disposing of equipment washwaters." Delete the following statement "Do not contaminate water by cleaning of equipment or disposal of wastes."

Sincerely yours,

Robert J. Taylor
Product Manager (25)
Fungicide-Herbicide Branch
Registration Division (TS-767C)

52602:I:Giles:T-10:KENCO:7/19/88:7/28/88:CS:VO:CS

CONCURRENCES

SYMBOL							
SURNAME							
DATE							

LEFT PANEL

NATIONAL CHEMSEARCH

✓ **ROOT OUT**

CONTROLS ROOTS IN SEWER LINES

ACTIVE INGREDIENTS:

Dichlobenil, (2,6-dichlorobenzonitrile)..... 2.1%*

INERT INGREDIENTS:.....97.9%

TOTAL.....100.0%

✓ *Equivalent to 0.17 pounds per gallon.

✓ THIS PRODUCT CONTAINS THE TOXIC INERT INGREDIENT FORMALDEHYDE.

KEEP OUT OF REACH OF CHILDREN

✓ **WARNING:**

Harmful if inhaled or swallowed. Irritating to eyes, nose, throat and skin.

✓ (See side panel for additional precautions.)

✓ EPA REG. NO. 1769-255

✓ **NET CONTENTS:**

✓ NATIONAL CHEMSEARCH

A Division of NCH Corporation

2727 Chemsearch Blvd.

Irving, Texas 75062

ROOT OUT contains dichlobenil, which kills the roots and prevents new root growth. Dichlobenil is readily absorbed on organic and inorganic colloids of sludge and clay in the tile joint providing residual control of root regrowth by inhibiting the development of actively dividing meristem cells in root tips. New root regrowth from outside the pipe joints or where cracks and leaks occur are retarded or inhibited in growth when they come in contact with the dichlobenil inside the pipe.

*Acceptable
With Comments*

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CENTER PANEL

**WARNING:
PRECAUTIONARY STATEMENTS
HAZARD TO HUMANS AND DOMESTIC ANIMALS**

Harmful if swallowed. Do not breathe spray mist. Do not get in eyes, on skin, or on clothing. Causes eye and skin irritation.

IMPORTANT! Always wash hands, face, and arms with soap and water before smoking, eating, drinking, or toileting. Before removing gloves, wash them with soap and water.

Keep all unprotected persons, children, livestock, and pets away from treated area or where there is a danger of drift.

Do not rub eyes or mouth with hands. If you feel sick in any way, STOP work and get help right away. See Statement of Practical Treatment.

ENVIRONMENTAL HAZARDS:

Do not apply directly to water or wetlands (swamps, bogs, marshes, and potholes). Do not contaminate water by cleaning of equipment or disposal of wastes.

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.

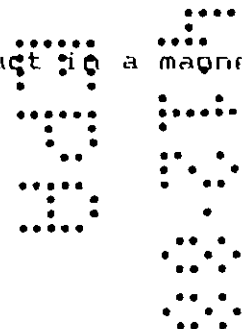
RIGHT PANEL

NOT FOR RESALE

DIRECTIONS FOR USE:

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

STIR WELL BEFORE USING



FOR MUNICIPAL SEWER USE:

Find the lines that have root problems. Start treatment with the first manhole at the upstream section end of the line. Sections below can be treated with the same solution after soaking the first section by passing the solution down stream.

The sewer line should be plugged at the down stream end of the section to be soaked.

Determine the volume of water the sewer line will hold by using the table below. For example: A 6" sewer line 200 feet long will require 300 gallons of water; therefore, add 1 1/2 gallons of National Chemsearch ROOT OUT. The ROOT-OUT should be premixed uniformly with water as it is being poured down the sewer line.

SEWER PIPE CAPACITY

<u>Pipe Diameter</u>	<u>1 Foot Length</u>
4 inches	0.65 gallons
6 inches	1.47 gallons
8 inches	2.61 gallons
10 inches	4.1 gallons
12 inches	5.9 gallons

After the solution has been allowed to soak the roots for at least 30 minutes and preferably an hour, the next manhole section downstream should be plugged. The upstream plug should be removed allowing the ROOT OUT solution to fill the second section. The reused solution should remain in the line 30 minutes to an hour. This procedure with 300 gallons of solution can be repeated for 750 to 1000 feet.

STORAGE AND DISPOSAL

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

STORAGE: KEEP CONTAINER CLOSED.

PESTICIDE DISPOSAL: Waste resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

NOTE: Do not allow solution to come in contact with lawns and plants. Keep children and pets out of area being treated.

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

