

# ROOT OUT

## CONTROLS ROOTS IN SEWER LINES

### ACTIVE INGREDIENT:

Dichlobenil, (2,6-dichlorobenzonitrile) . . . . . 2.1%  
 OTHER INGREDIENTS: . . . . . 97.9%

### WARNING:

KEEP OUT OF REACH OF CHILDREN  
 Harmful if inhaled or swallowed. Irritates  
 eyes, nose, throat and skin.

(See side panel for additional warnings.)

EPA REG. NO. 1769-255-AA

### CONTENTS:

NATIONAL CHEMSEARCH 2727 CHEMSEARCH BLVD., IRVING, TEXAS 75062  
 Plant Stouis Co. - Missouri - Plant No. 1 - Western Plant 532 A - Lee Pk. - Syracuse, Calif.  
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 ST. LOUIS - INGLEWOOD - BEVERLY HILLS - INDIANAPOLIS - SAN ANTONIO, TEXAS

STIR WELL BEFORE USING.  
 General Information: National Chemsearch  
 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.

Directions for Applying National Chem-  
 search ROOT OUT by Soaking the Sewer  
 Lines: Find the lines that have root prob-  
 lems. Start treatment with the first man-  
 hole 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; there-  
 fore, add 1 1/2 gallons of National Chem-  
 search ROOT OUT.

The one gallon of ROOT OUT should be  
 premixed thoroughly with water applied  
 uniformly as each 200 gallons of water is  
 being poured down the sewer line.

FOR INDUSTRIAL OR  
 INSTITUTIONAL USE ONLY

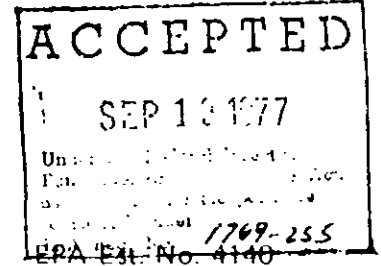
10 inches	4.1 gallons
12 inches	5.9 gallons

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

**WARNING:** Avoid breathing vapor or spray  
 mist. Do not get in eyes, on skin or cloth-  
 ing. In case of contact, immediately re-  
 move contaminated clothing and shower  
 — flush with plenty of water. For eyes,  
 flush with water for at least 15 minutes and  
 get medical attention.

Do not allow solution to come in contact  
 with lawns and plants. Keep children and  
 pets out of area being treated. Do not store  
 near feed or foodstuffs.

**NOTE:** Do not reuse empty container. De-  
 stroy and bury or return to a drum con-  
 tainer.



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