

7687-3

10/13/2011

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Washington, D.C. 20460

OFFICE OF  
CHEMICAL SAFETY AND  
POLLUTION PREVENTION

OCT 13 2011

Erastus Muchioki  
Hercules Chemical Company, Inc.  
111 South Street  
Passaic, NJ 07055

Subject: Label Amendment (add use site for municipal sewer lines, add packaging size for municipal use)  
Root Force  
EPA Reg. No. 7687-3  
Application Dated September 23, 2011

Dear Mr. Muchioki:

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is acceptable.

A stamped copy of your label is enclosed for your records. This label supersedes all previously accepted labels. You must submit one (1) copy of the final printed label before you release the product for shipment. Products shipped after eighteen (18) months from the date of this letter must bear the new revised label. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA §6(e). Your release for shipment of the product constitutes acceptance of these conditions.

If you have any questions, please contact Mindy Ondish at (703)605-0723 or at [ondish.mindy@epa.gov](mailto:ondish.mindy@epa.gov).

Sincerely,

Kable Bo Davis  
Product Manager 25  
Herbicide Branch  
Registration Division (7505P)

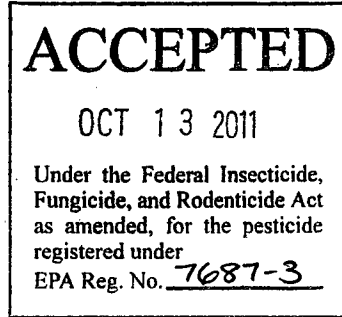
2014

**DRAFT LABEL**

**FRONT PANEL:**

ROOT FORCE™  
Foaming Root Destroyer in Water Soluble Bags

**Active Ingredient:** Dichlobenil [2, 6-dichlorobenzonitrile]: ..... 0.55%  
**Other Ingredients:** ..... 99.45%  
**Total:** ..... 100.00%



**CAUTION**

**KEEP OUT OF REACH OF CHILDREN.**

**Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you.)**

**READ ENTIRE LABEL BEFORE USING.**

E.P.A. Registration No. 7687-3 E.P.A. Est. No. 065387AR-001

**Net Wt. 25 lbs. (11,340g); (50) 8 oz.-bags or 1 lb. (454 g); (2) 8 oz.-bags DO NOT OPEN BAGS**

- ▶ Prevents and Clears Root-Blocked Sewer Lines
- ▶ Will Not Harm Pipes, Trees or Plants

**BACK PANEL 1:**

Hercules ROOT FORCE™ is a blend of high foaming surfactants, fillers and the active ingredient dichlobenil, which kills roots and prevents the growth of new roots. When used as prescribed in DIRECTIONS, its foaming system acts as a vehicle, releasing a chemical herbicide, which clings to and is absorbed by infiltrating root tips. This kills the roots, which then decompose and are washed away without injury to the main tree or shrub. Because the product also clings to pipe surfaces, new root growth from outside the pipe is inhibited.

This product is contained in convenient water-soluble bags to eliminate exposure to the contents of the package. IF THE BAG IS BROKEN OR LEAKING – PLEASE READ PRECAUTIONARY STATEMENTS.

**DIRECTIONS FOR USE**

**IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT IN A MANNER INCONSISTENT WITH ITS LABELING. BEFORE USING, READ DIRECTIONS AND ALL PRECAUTIONARY STATEMENTS ON PACKAGE LABEL.**

**Residential Sewer Line – Partial Stoppage:** To use as a “preventive” and ensure root-free drainage lines, use an 8 oz. bag every three weeks during the growing season between March and August and follow with an 8 oz. bag every eight weeks between September and March. If drainage is very slow, use an 8 oz application twice a week until improvement is noticeable. The soluble bags are dropped (unopened) directly into toilet bowl. The water soluble bags will soften, dissolve and release the chemicals into the water. 2-3 minutes after the addition, flush the contents. Stirring will accelerate the dissolving process. The mechanical flushing action will activate the foaming surfactants and carry the active ingredients through the full dimensions of the sewer pipe. Restrict water usage for 6-8 hours after flushing. If a bag is broken, empty content into toilet, rinse the plastic container with water and pour into toilet and flush.

**Complete Stoppages:** If root is severe and there is complete blockage with no flow, mechanical removal with a snake or sewer rod may be required.

When using this product indoor, the exhaust fan in the bathroom must be operating during application. If the fan is not available, the window must be open during application.

**Municipal Sewer Line – Partial Stoppage:** The soluble bags are dropped (unopened) directly into waste lines upstream from the root incursion. The water soluble bags will soften, dissolve and release the chemicals into the water. If flow is slow in waste line, follow Root Force addition with 4 to 5 gallons of water per pound of Root Force to activate and support the foaming process. The activated foaming surfactants will carry the active ingredients throughout the full dimensions of the waste pipe.

The water soluble bags are there for your protection. If the bag is broken, avoid contact with skin.

**Complete Stoppages:** If root growth is severe and there is complete blockage with no flow, mechanical removal may be required.

Reapply every 1-2 years to keep pipes free from root blockages, depending upon the severity of root growth.

ROOT FORCE APPLICATION TABLE		
Pipe Diameter (Inches)	Pipe Length (Feet)	Root Force Amount (LBS)
8 – 18"	600 – 800	25 to 30
6 – 8"	100 – 200	6
4 - 6"	100 – 200	5
6 – 8"	50 to 100	4
4 - 6"	50 to 100	3
6 – 8"	Up to 50	2
4 – 6"	Up to 50	1

**PRECAUTIONARY STATEMENTS**

**Hazards to Humans and Domestic Animals**

[To be placed on label intended for residential use]

**CAUTION:**

Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Avoid breathing dust. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco.

[To be placed on label intended for occupational use]

**CAUTION:**

Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Avoid breathing dust.

**FIRST AID:**

**IF IN EYES:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. Call a poison control center or doctor for treatment advice.

**IF SWALLOWED:** Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to by a poison control center or doctor. Do not give anything to an unconscious person.

**IF ON SKIN OR CLOTHING:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

**IF INHALED:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, and then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

**Have the product container or label with you when calling a poison control center or doctor or going for treatment.**

For assistance from Hercules, call 1-800-221-9330.

**Personal Protective Equipment: (PPE):**

Applicators and other handlers must wear long-sleeved shirt, long pants, shoes plus socks, and chemical-resistant gloves.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

**User Safety Recommendations:**

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

**ENVIRONMENTAL HAZARDS:** This pesticide is toxic to fish and aquatic organisms. Do not apply directly to water except as specified on label. Do not apply to areas where surface water is present or to intertidal areas below the mean high water mark. **Do not use near well or drinking water. Do not contaminate water when disposing of container or materials.** This chemical has properties and characteristics associated with chemicals detected in ground water. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow may result in ground-water contamination.

[To be placed on label intended for residential use]

**STORAGE AND DISPOSAL**

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

**Pesticide Storage:** Store in original container and keep in locked storage area.

**Pesticide Disposal and Container Handling:** Non-refillable container. Do not reuse or refill this container. To dispose of plastic container, triple rinse and place in trash or offer for recycling if available. For accidentally opened bags, dispose of contents into toilet, then triple rinse container thoroughly and pour rinsate into the toilet. Then follow instructions above for container disposal.

[To be placed on label intended for occupational use]

**STORAGE AND DISPOSAL**

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

**Pesticide Storage:** Store in original container and keep in locked storage area.

**Pesticide Disposal:** Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.

**Container Handling:** Non-refillable container. Do not reuse or refill this container. For accidentally opened bags, empty the remaining contents into the waste line. Triple rinse container (or equivalent) promptly after emptying. Then offer for recycling if available, or puncture and dispose of in a sanitary landfill or by incineration. Do not burn unless allowed by state and local ordinances.