

1015-72

10-18-2011

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U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (7505P)
Ariel Rios Building
1200 Pennsylvania Ave., NW
Washington, D.C. 20460

EPA Registration
Number:

1015-72

Date of Issuance:

OCT 18 2011

NOTICE OF PESTICIDE:

- Registration
- Reregistration

(under FIFRA, as amended)

Term of Issuance: Unconditional

Name of Pesticide Product:

ROO-PRU Super Tri Pak

Name and Address of Registrant (include ZIP Code):

Douglas Products and Packaging Company
1550 East Old 210 Highway
Liberty, MO 64068

c/o Pyxis Regulatory Consulting, Inc.
4110 136th Street, NW
Gig Harbor, WA 98332

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act. Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

EPA received a label amendment request submitted on October 13, 2011. EPA grants this request under the authority of section 3(c)(5) of the Federal Insecticide, Fungicide and Rodenticide Act, as amended. With this accepted labeling, all requirements set forth in the Reregistration Eligibility Decision (RED) for **Dichlobenil and Metam-sodium** have been satisfied. Therefore, EPA reregisters the product listed above. This action is taken under the authority of section 4(g)(2)(c) of the Federal Insecticide, Fungicide, and Rodenticide Act, as amended. Reregistration under this section does not eliminate the need for continual reassessment of pesticides. EPA may require submission of data at any time to maintain the registration of your product.

The Basic Confidential Statement of Formula (CSF) dated June 3, 2011 is acceptable, and supersedes all previously-accepted CSFs.

Submit one (1) copy of final printed labeling. Amended labeling will supersede all previously accepted labels. A copy of your label stamped "Accepted" is enclosed for your records. Products shipped after twelve (12) months from the date of this Notice or the next printing of your label, whichever occurs first, must bear the new revised label.

If you have any questions regarding this Notice, please contact Mindy Ondish at (703)605-0723 or at ondish.mindy@epa.gov.

Signature of Approving Official:

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

Date:

OCT 18 2011

Center Panel – Outer Box Label

RESTRICTED USE PESTICIDE
 Due to Acute Inhalation Toxicity to Humans

For retail sale to and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's certification.

ROO-PRU[®] SUPER TRI PAK

Only for use in a combination of metam-sodium, dichlobenil, and foaming agent as directed.

This product contains:

1. ROO-PRU MS-32.7S

ACTIVE INGREDIENT:	% By Weight
Metam-sodium (sodium methyldithiocarbamate)	32.7%
OTHER INGREDIENTS:	67.3%
TOTAL:	100.0%

Contains 3.18 lbs. active ingredient per gallon.

2. ROO-PRU DCB-85W

ACTIVE INGREDIENT:	% By Weight
Dichlobenil (2,6-dichlorobenzonitrile)	85.0%
OTHER INGREDIENTS:	15.0%
TOTAL:	100.0%

3. ROO-PRU WFA (Wetting-Foaming Agent)

KEEP OUT OF REACH OF CHILDREN
DANGER - PELIGRO

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 in detail.)

FIRST AID	
IF ON SKIN OR CLOTHING:	Take of contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. 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 by mouth to an unconscious person.
IF INHALED:	Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.
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 eye. Call a poison control center or doctor for treatment advice.
HOT LINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	
For emergency information on Roo Pru® Super Tri Pak, call the National Pesticides Information Center 1-800-858-7378, 6:30 AM to 4:30 PM Pacific time (PT), seven days a week. During other times, call the poison control center 1-800-222-1222.	
NOTE TO PHYSICIAN	
Probable mucosal damage may contraindicate the use of gastric lavage.	

EPA Reg. No. 1015-72

EPA Est. No.

Manufactured for:

Douglas Products and Packaging Company
1550 East Old 210 Highway
Liberty, MO 64068

Net Contents:

- 1. **Metam-Sodium:** ROO-PRU MS-32.7S 5 (2x2 ½) gal.
 - 2. **Dichlobenil:** ROO-PRU DCB-85W 20 (2x10) oz.
 - 3. **Wetting-Foaming Agent:** ROO-PRU WFA 2 (2x1) pt.
- Total 5 CMG***

*Chemical mix gallon

ACCEPTED

OCT 18 2011

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under
EPA Reg. No. 1015-72

Left Panel – Outer Box Label

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
DANGER**

Corrosive. Causes skin burns. May be fatal if absorbed through skin. Do not get in eyes, on skin or on clothing. Harmful if swallowed or inhaled. Causes moderate eye irritation. Avoid breathing vapor or spray mist. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

All fumigant handlers who apply or may be exposed to either liquid spray or vapors must wear:

- coveralls over long-sleeve shirt and long pants,
- chemical-resistant gloves made of any waterproof material,
- chemical-resistant footwear plus socks,
- a NIOSH-approved full-face, or helmet/hood style respirator with either
 - an organic-vapor removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C), or
 - a respirator with a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G).

All mixers and loaders must wear:

- long-sleeved shirt, long pants,
- chemical resistant gloves made of any waterproof material,
- chemical resistant footwear plus socks,
- chemical-resistant apron if transferring or loading the fumigant or cleaning up spills or equipment, and
- be provided, have immediately available, and must wear in an emergency a respirator of the type required in this section.

All support personnel who remain outside the treatment zone and who are not exposed to either liquid spray or vapors must wear:

- long-sleeved shirt, long pants, shoes, and socks, and
- be provided, have immediately available, and must wear in an emergency, such as when they may be exposed to liquid spray or vapors, the handler PPE listed in this section.

See the engineering control section for additional requirements.

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USER SAFETY REQUIREMENTS

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.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

USER SAFETY RECOMMENDATIONS

- Users should wash hands before, eating, drinking, chewing gum, using tobacco, or using the toilet.
- Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Users should remove PPE immediately after handling this product. As soon as possible, wash thoroughly and change into clean clothing.

ENGINEERING CONTROLS AND APPLICATION RESTRICTIONS

Mixers and loaders must use a system that is capable of removing the pesticide from the shipping container and transferring it into mixing tanks and/or application equipment. At any disconnect point, the system must be equipped with a dry disconnect or dry couple shut-off device that is warranted by the manufacturer to minimize drippage. Handlers must wear the personal protective equipment required in the PPE section of this labeling for mixers and loaders.

Applicators must use an application nozzle designed to propel the application hose through the sewer using water-jetting capabilities. The nozzle should be designed to allow water to escape under pressure and thereby creating a rocket like effect that both propels the nozzle forward while preparing the roots and pipe for the application herbicide. Once the hose and nozzle have arrived at the beginning of the herbicide application location the applicator will turn off the water pressure and the spring-loaded nozzle will switch to the foaming application.

The applicator must retrieve the hose hydraulically while applying foaming herbicide within the pipe.

A clean water rinse hose must be positioned to continuously rinse off the application hose as it is extracted from the pipe.

The applicator must shut off the foaming herbicide 50 feet before the applicator nozzle reaches the manhole in order to purge the last of the foaming herbicide from the hose prior to it exiting the manhole.

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Left Panel – Outer Box Label (cont.)

USE PRECAUTIONS

Consideration must be given to all sewer service lines and building elevations and basements for the possibility of foam coming up out of drains. Consideration must be given to distance between houses and sewers to be treated, depth of sewers compared to drains in buildings, line obstructions, broken and empty traps and drains with no traps that would allow foam to easily emerge. Building drains may be plugged to protect against backup and flooding. Follow the directions for measurement and use carefully to avoid using excess foam that may be forced up lateral lines to building drains. Lateral lines may be treated, but do not force excessive foam into service lines which may cause it to be forced up lateral lines into building drains. Building occupants should exit structures if the pungent, rotten egg or sulfur-like odor of metam-sodium is detected. Open windows and ventilate with fans. Flush drains with ample water if the odor comes from them. Use a squeegee, dust pan or wet vacuum and garbage bags for spills or backups and dispose of foam and liquid in an open drain or manhole. After removal of foam and liquid, wash area of spill or backup with water and detergent and flush down drain. If rugs or cloth are contacted, take outside and dry before laundering separately.

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Right Panel – Outer Box Label

ENVIRONMENTAL HAZARDS

This pesticide is toxic to mammals, birds, aquatic invertebrates and fish. Keep out of lakes, ponds or streams. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters or rinsate. Equipment washwaters and wastes resulting from the use of this product must be disposed of on site according to label directions for use or at an approved waste disposal facility. Do not use in potable water systems. Do not use in storm, field or other drains unless effluent is treated in a sanitary sewer system. Keep off lawns and plants as they may be severely injured. Foam should be shoveled off planted areas immediately rather than washing off with water.

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.

In case of chemical emergencies involving a spill, leaks, fire, exposure, or accident, contact CHEMTREC 1-800-424-9300.

USE PRECAUTIONS: High concentrations of these chemical in wastewater may adversely affect the biological sewage breakdown process in wastewater treatment plants. Large scale applications to sewage collection systems in proximity to a treatment plant should be divided into smaller sectional treatments done at one or two day intervals to minimize effects on the sewage treatment process. Inform appropriate wastewater treatment plant officials prior to use so they may check for any unusual rotten egg or sulfur-like odor of metam-sodium above that of sewage and monitor the performance of filter beds or digesters. If the odor is detected at the sewage treatment plant or the biological breakdown process is adversely affected, root control applications should cease until normal conditions are established. Subsequent treatments should be reduced in size or volume and spread over greater time intervals.

PHYSICAL OR CHEMICAL HAZARDS

Do not use or store near heat or open flames.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Refer to the Personal Protective Equipment (PPE) section under PRECAUTIONARY STATEMENTS and use all required protective clothing and equipment. The metam-sodium and dichlobenil components must be used only in combination with a foaming agent to control roots in sewer systems according to the directions for use. They must be used only where wastewater treated for root control will be processed through a wastewater treatment facility.

Refer to booklet label on inner package of metam-sodium for detailed directions for use.

Applicators must notify downstream waste water treatment facilities prior to the start of metam-sodium applications so that they may monitor the operations of the wastewater treatment plant.

Applicators must report how much product will be applied to the sewage system to operators of downstream water treatment plants and to inform these operators that high concentrations of these chemicals in wastewater may adversely affect the biological sewage breakdown process in wastewater treatment plants.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal. Refer to booklet label on inner package of metam-sodium for detailed directions for use.

PESTICIDE STORAGE: Do not store near food or feed, seeds, bulbs, tubers, nursery stock or other vegetation matter. Do not store near pet or livestock quarters. Store in a well ventilated area. Keep containers tightly closed when not in use. Do not store below 0°F. The liquid components of this TRI-PAK become cloudy or crystallize at lower temperatures. Warm or store at higher temperatures and mix to dissolve crystals and assure uniformity before use.

PESTICIDE DISPOSAL: Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of 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:

ROO-PRU MS-32.7S container: Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

ROO-PRU DCB-85W container: Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

Outer Box: Dispose of empty box in a sanitary landfill or by incineration or, if allowed by state and local law, by burning. If burned, stay out of smoke.

LIMITATION OF LIABILITY...READ CAREFULLY

See enclosed booklet.

ROO-PRU is a registered trademark of Douglas Products and Packaging Company.

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Inner Metam-Sodium Booklet Label

RESTRICTED USE PESTICIDE
Due to Acute Inhalation Toxicity to Humans

For retail sale to and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's certification.

ROO-PRU[®]
MS-32.7S

A Nonsystemic Fumigant Solution for pruning roots in wastewater collecting systems

Only for use as a combination of metam-sodium, dichlobenil and foaming agent as directed.

ACTIVE INGREDIENT:	% By Weight
Metam-sodium (sodium methylthiocarbamate)	32.7%
OTHER INGREDIENTS:	<u>67.3%</u>
TOTAL:	100.0%

Contains 3.18 lbs. active ingredient per gallon.

KEEP OUT OF REACH OF CHILDREN
DANGER - PELIGRO

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 in detail.)

FIRST AID	
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 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 by mouth to an unconscious person.
IF INHALED:	Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.
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 eye. Call a poison control center or doctor for treatment advice.
HOT LINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	

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For emergency information on Roo Pru[®] Super Tri Pak, call the National Pesticides Information Center 1-800-858-7378, 6:30 AM to 4:30 PM Pacific time (PT), seven days a week. During other times, call the poison control center 1-800-222-1222.

NOTE TO PHYSICIAN

Probable mucosal damage may contraindicate the use of gastric lavage.

FOR ADDITIONAL PRECAUTIONARY STATEMENTS: See Inside Booklet

In case of significant spills call CHEMTREC 1-800-424-9300

EPA Reg. No. 1015-72

EPA Est. No.

Manufactured for:

Douglas Products and Packaging Company
1550 East Old 210 Highway
Liberty, MO 64068

Net Contents: 2.5 Gallons

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMAN AND DOMESTIC ANIMALS
DANGER**

Corrosive. Causes skin burns. May be fatal if absorbed through skin. Do not get in eyes, on skin or on clothing. Harmful if swallowed or inhaled. Avoid breathing vapor or spray mist. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Irritating to eyes, nose and throat.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

All fumigant handlers who apply or may be exposed to either liquid spray or vapors must wear:

- coveralls over long-sleeve shirt and long pants,
- chemical-resistant gloves made of any waterproof material,
- chemical-resistant footwear plus socks,
- a NIOSH-approved full-face, or helmet/hood style respirator with either
 - an organic-vapor removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C), or
 - a respirator with a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G).

All mixers and loaders must wear:

- long-sleeved shirt, long pants,
- chemical resistant gloves made of any waterproof material,
- chemical resistant footwear plus socks,
- chemical-resistant apron if transferring or loading the fumigant or cleaning up spills or equipment, and
- be provided, have immediately available, and must wear in an emergency a respirator of the type required in this section.

All support personnel who remain outside the treatment zone and who are not exposed to either liquid spray or vapors must wear:

- long-sleeved shirt, long pants, shoes, and socks, and
- be provided, have immediately available, and must wear in an emergency, such as when they may be exposed to liquid spray or vapors, the handler PPE listed in this section.

See the engineering control section for additional requirements.

USER SAFETY REQUIREMENTS

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.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

USER SAFETY RECOMMENDATIONS

- Users should wash hands before, eating, drinking, chewing gum, using tobacco, or using the toilet.
- Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Users should remove PPE immediately after handling this product. As soon as possible, wash thoroughly and change into clean clothing.

ENGINEERING CONTROLS AND APPLICATION RESTRICTIONS

Mixers and loaders must use a system that is capable of removing the pesticide from the shipping container and transferring it into mixing tanks and/or application equipment. At any disconnect point, the system must be equipped with a dry disconnect or dry couple shut-off device that is warranted by the manufacturer to minimize drippage. Handlers must wear the personal protective equipment required in the PPE section of this labeling for mixers and loaders.

Applicators must use an application nozzle designed to propel the application hose through the sewer using water-jetting capabilities. The nozzle should be designed to allow water to escape under pressure and thereby creating a rocket like effect that both propels the nozzle forward while preparing the roots and pipe for the application herbicide. Once the hose and nozzle have arrived at the beginning of the herbicide application location the applicator will turn off the water pressure and the spring-loaded nozzle will switch to the foaming application.

The applicator must retrieve the hose hydraulically while applying foaming herbicide within the pipe.

A clean water rinse hose must be positioned to continuously rinse off the application hose as it is extracted from the pipe.

The applicator must shut off the foaming herbicide 50 feet before the applicator nozzle reaches the manhole in order to purge the last of the foaming herbicide from the hose prior to it exiting the manhole. USE PRECAUTIONS: Consideration must be given to all sewer service lines and building elevations and basements for the possibility of foam coming up out of drains. Consideration must be given to distance between houses and sewers to be treated, depth of sewers compared to drains in buildings, line obstructions, broken and empty traps and drains with no traps that would allow foam to easily emerge. Building drains may be plugged to protect against backup and flooding. Follow the directions for measurement and use carefully to avoid using excess foam that may be forced up lateral lines to building drains. Lateral lines may be treated, but do not force excessive foam into service lines which may cause it to be forced up lateral lines into building drains. Building occupants should exit structures if the pungent, rotten egg or sulfur-like odor of metam-sodium is detected. Open windows and ventilate with fans.

Flush drains with ample water if the odor comes from them. Use a squeegee, dust pan or wet vacuum and garbage bags for spills or backups and dispose of foam and liquid in an open drain or manhole. After removal of foam and liquid, wash area of spill or backup with water and detergent and flush down drain. If rugs or cloth are contacted, take outside and dry before laundering separately.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to mammals, birds, aquatic invertebrates, and fish. Keep out of lakes, ponds, or streams. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters or rinsate. Equipment washwaters and wastes resulting from the use of this product must be disposed of on site according to label directions for use or at an approved waste disposal facility. Do not use in potable water systems. Do not use in storm, field or other drains unless effluent is treated in a sanitary sewer system. Keep off lawns and plants as they may be severely injured. Foam should be shoveled off planted areas immediately rather than washing off with water.

In case of chemical emergencies involving a spill, leaks, fire, exposure, or accident, contact CHEMTREC 1-800-424-9300.

USE PRECAUTIONS: High concentrations of these chemical in wastewater may adversely affect the biological sewage breakdown process in wastewater treatment plants. Large scale applications to sewage collection systems in proximity to a treatment plant should be divided into smaller sectional treatments done at one or two day intervals to minimize effects on the sewage treatment process. Inform appropriate wastewater treatment plant officials prior to use so they may check for any unusual rotten egg or sulfur-like odor of metam-sodium above that of sewage and monitor the performance of filter beds or digesters. If the odor is detected at the sewage treatment plant or the biological breakdown process is adversely affected, root control applications should cease until normal conditions are established. Subsequent treatments should be reduced in size or volume and spread over greater time intervals.

PHYSICAL OR CHEMICAL HAZARDS

Do not use or store near heat or open flames.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Refer to the Personal Protective Equipment (PPE) section under PRECAUTIONARY STATEMENTS and use all required protective clothing and equipment. The metam-sodium component must be used only in combination with the ROO-PRU DCB 85W dichlobenil component and with the ROO-PRU WFA wetting/foaming agent to control roots in sewer systems according to the directions for use. **They must be used only where wastewater treated for root control will be processed through a wastewater treatment facility.**

Applicators must notify downstream waste water treatment facilities prior to the start of metam-sodium applications so that they may monitor the operations of the wastewater treatment plant.

Applicators must report how much product will be applied to the sewage system to operators of downstream water treatment plants and to inform these operators that high concentrations of these chemicals in wastewater may adversely affect the biological sewage breakdown process in wastewater treatment plants.

GENERAL

1. Determine which collection system lines have known root problems and require treatment with root control chemicals.
2. Best results are obtained if the pipe to be treated is cleaned with a high pressure jet cleaner prior to the chemical treatment. When roots are mechanically cut or severely damaged by the cleaning process allow 60 to 90 days for root regrowth to start prior to chemical treatment.
3. Following treatment allow 60 to 90 days for the roots to die and decompose prior to assessing the effectiveness of the treatment.
4. Establish your treatment sequence. In order not to affect previously treated sections, start with the uppermost manhole section of the line to be treated.
5. Check all safety equipment for serviceability. USE THE EQUIPMENT and follow the procedures as described under the PPE section on this label and as prescribed by OSHA for confined space entry.
6. Equipment Calibration: It is recommended that equipment calibration be checked daily or any time conditions of operation change. Due to variation in equipment and conditions, consult and follow the equipment manufacturer's recommendations on calibration procedures. Contact your chemical supplier for the nonpesticidal formulation to use for calibration purposes.
7. Calculate quantity of ROO-PRU/water mix to prepare.

NOTE: FUTURE REFERENCE IN THIS BOOKLET WILL BE MADE TO CHEMICAL MIX (mixture of the three components of the Tri Pak and water) AND CHEMICAL MIX GALLON [CMG] – (mixture of the three chemical components, i.e., 1 gallon MS 32.7S + 4 ounces DCB-85W + 0.4 pints WFA = slightly more than 1 gallon).

The following table provides the recipe for the ROO-PRU chemical mix for Foam Fill application:

1 gallon	MS 32.7S + 4 oz. DCB-85W + 0.4 pt. WFA	= 1 CMG
2 gallon	MS 32.7S + 8 oz. DCB-85W + 0.8 pt. WFA	= 2 CMG
2 ½ gallon	MS 32.7S + 10 oz. DCB-85W = 1.0 pt. WFA	= 2.5 CMG
1 Tri-Pak = 2.5 CMG		
1 Super Tri-Pak = 5 CMG		

Tests show that the chemical mix is stable for at least 7 days prior to use.

Chemical Preparation: Prior to diluting chemical with water, mix the three ingredients together by adding the contents of one (1) 10 oz. bottle of ROO-PRU DCB-85W and one (1) pint bottle of ROO-PRU WFA to one (1) 2 ½ gallon container of ROO-PRU MS 32.7S.

Replace 2 ½ gallon cap and invert repeatedly until thoroughly mixed then pour contents into chemical/water mix tank or blend chemical mix and water just prior to the foam equipment. DO NOT store the mixed chemical for more than 7 days. Remix chemical prior to use. DO NOT prepare more chemical/water mix than can be used in one day.

- A. Determine total footage of pipe by pipe diameter and method of treatment, i.e., foam fill or foam spray to be treated in a given day. Use promptly after mixing. DO NOT allow chemical/water mix to stand overnight. DO NOT allow solution to stand (mild agitation is necessary to keep the DCB-85W in suspension). Flush all equipment with water after each days use. Disassemble valves and clean thoroughly.

- B. The two methods of calculating the ROO-PRU mix ratio and amount of chemical mix/water solution to prepare are dependent on pipe diameter and method of application. Pipe diameter 10" or less require filling the entire pipe void with foam (Foam Fill). Pipe diameters of 12" or larger are more economically treated by using a nozzle designed to place foam directly on the root masses and pipe surface (Foam Spray). In addition to pipe size, other factors may dictate the method of application, i.e., wastewater level and velocity of flow, root density, etc,

Foam Fill: Four (4) Inch (+) Pipe (entire pipe void)

Foam characteristics desired: dry, dense, and cohesiveness similar to shaving cream.

Application Procedures for Foam Fill Requirements, Mixing and Calculations

Sewer Pipe Capacities are:

Diameter/Inch	Gal./Foot	Diameter/Inch	Gal./Foot
4	0.7	16	10.5
6	1.5	18	13.5
8	2.5	20	16.3
10	4.0	21	18.0
12	6.0	24	23.5

1. Check sewer pipe capacity table above to determine total foam required. Pipe capacity (foam/foot) x (length of section) + (10-25%) = foam volume required.
2. After determining foam volume in gallons required to fill the section(s) of sewer line to be treated with foam, use the following table to determine the ROO-PRU/water solution required.

Foam Produced Per Gallon of Solution:

To Water	Add ROO-PRU	Amount of Foam Produced
25.0 Gal.	1.0 CMG	540 gal.
50.0 Gal.	2.0 CMG	1,080 gal.
62.5 Gal.	2.5 CMG	1,350 gal. (1 Tri-Pak)
125.0 Gal.	5.0 CMG	2,700 gal. (1 Super Tri-Pak)
200.0 Gal.	7.5 CMG	4,050 gal. (1 ½ Super Tri Pak)

3. Main Line: Insert chemical discharge hose through the entire section of pipe to be treated. Start foam generating equipment and withdraw discharge hose at a rate calibrated to fill the line to capacity until foam appears at input manhole. Refer to equipment manual for the specific calibrated rate of hose retraction.
4. Building Service Lines: USE EXTREME CAUTION. Always plug building side of cleanout to prevent backup into building. Always treat from cleanout closest to building down to sewer main. Attach the chemical discharge hose to a pneumatic type by-pass pumping plug. Insert and position the plug in the service line cleanout and inflate in the cleanout to prevent foam from overflowing and/or the plug blowing out. CAUTION: CHEMICAL OVERFLOWING OR SPILLED ON GROUND ADJACENT TO THE CLEANOUT MAY CAUSE DAMGE TO DESIRABLE PLANTS AND LANDSCAPING.

Once the plug has been securely inflated, pump foam into the line until required amount has been discharged into the service line. Refer to the equipment manual for specific calibration rate.

FOAM SPRAY: Twelve (12) Inch and Larger Pipe (directed to roots and pipe surface).

Foam characteristics desired: Wet, dense, noncohesive. Splatters when applied to manhole walls.

1. Reduce the amount of ROO-PRU WFA (wetting/foaming adjuvant) to one half (1/2) when preparing chemical mix, i.e.:

1.0 CMG	=	0.2 pt. WFA
2.0 CMG	=	0.4 pt. WFA
2.5 CMG	=	0.5 pt. WFA

The excess WFA may be kept and used as a calibration agent.

2. See the table below to determine the reference quantity of foam spray needed per foot of pipe, then multiply by the length of pipe to be treated to determine the total amount of finished foam needed.

Pipe Diameter	Foam Gal./Ft.	Pipe Diameter	Foam Gal./Ft.
12"	4	32-36"	12
14"	8	40-42"	14
16"	10	44-48"	16

These reference quantities of foam may be adjusted to account for varying root and flow conditions within the pipe. Foam Gal./Foot x Total = Finished Foam Needed

3. In order to determine the amount of chemical mix solution to prepare from the total amount of foam spray required, divide foam spray required by 20 (20 gallons of foam spray are produced from 1 gallon of chemical mix solution) refer to the following table for solution mixing instructions to obtain the proper chemical mix to water (volume/volume).

To Water Coat	Add ROO-PRU	Total Solution	Foam Spray
14 gal.	1 CMG	15 gal.	300 gal.
28 gal.	2 CMG	30 gal.	600 gal.
35 gal.	2.5 CMG	37.5 gal.	750 gal.
70 gal.	5 CMG	75 gal.	1500 gal.

4. Foam Spray Application: Insert the chemical discharge hose through the entire section of pipe to be treated, install foam spray nozzle and position about 2 inches above the flow line of the pipe. Start foam generating equipment and withdraw the chemical hose at rate calibrated to foam spray the specified diameter. Refer to equipment manual for specific calibration rate.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Do not store near food or feed, seeds, bulbs, tubers, nursery stock or other vegetation matter. Do not store near pet or livestock quarters. Store in a well ventilated area. Keep containers tightly closed when not in use. Do not store below 0°F. The liquid components of this TRI-PAK become cloudy or crystallize at lower temperatures. Warm or store at higher temperatures and mix to dissolve crystals and assure uniformity before use.

PESTICIDE DISPOSAL: Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of 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: Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the

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remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

LIMITATION OF LIABILITY...READ CAREFULLY

To the extent consistent with applicable law, seller disclaims all liability, tort or otherwise, and all warranties, expressed or implied, including merchantability, seller shall not be liable for any damages, whether they be direct, consequential, special or indirect, which result from the use or handling of this product. Seller's sole liability and buyer's and user's sole remedy shall be limited to the refund of the purchase price.

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Center Front Panel – Inner Dichlobenil Label

RESTRICTED USE PESTICIDE
Due to Acute Inhalation Toxicity to Humans

For retail sale to and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's certification.

ROO-PRU[®] DCB-85W

Only for use as a combination of metam-sodium, dichlobenil and foaming agent as directed.

ACTIVE INGREDIENT:	% By Weight
Dichlobenil (2,6-dichlorobenzonitrile)	85.0%
OTHER INGREDIENTS:	15.0%
TOTAL:	100.0%

KEEP OUT OF REACH OF CHILDREN

CAUTION

FIRST AID	
If swallowed:	<ul style="list-style-type: none"> • 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 do so by a poison control center or doctor. • Do not give anything by mouth to an unconscious person.
If on skin or clothing:	<ul style="list-style-type: none"> • 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 in eyes:	<ul style="list-style-type: none"> • 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 eye. • Call a poison control center or doctor for treatment advice.
If inhaled:	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. • Call a poison control center or doctor for further treatment advice.

HOT LINE NUMBER

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

For emergency information on Roo Pru[®] Super Tri Pak, call the National Pesticides Information Center 1-800-858-7378, 6:30 AM to 4:30 PM Pacific time (PT), seven days a week. During other times, call the poison control center 1-800-222-1222.

See additional precautionary statements on side panels.

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EPA Reg. No. 1015-72

EPA Est. No.

Manufactured for:

Douglas Products and Packaging Company
1550 East Old 210 Highway
Liberty, MO 64068

Net Weight: 10 oz.

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Left Front Panel – Inner Dichlobenil Label

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
CAUTION**

Harmful if swallowed or absorbed through skin or inhaled. Causes moderate eye irritation. Avoid contact with eyes, skin or clothing. Avoid breathing dust.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Mixers, loaders, applicators and all other handlers must wear:

- Long-sleeved shirt and long pants
- Socks and shoes
- Chemical-resistant gloves made of any waterproof material
- In addition to the requirements above, mixers and loaders must also wear a chemical-resistant apron

User Safety Requirements

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 PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

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Right Front Panel – Inner Dichlobenil Label

ENVIRONMENTAL HAZARDS

Keep out of lakes, ponds or streams. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters or rinsate. Equipment washwaters and wastes resulting from the use of this product must be disposed of on site according to label directions for use or at an approved waste disposal facility. Do not use in potable water systems or storm, field or other drains from which untreated water is discharged.

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.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Refer to the Personal Protective Equipment (PPE) section under PRECAUTIONARY STATEMENTS and use all required protective clothing and equipment. The dichlobenil component must be used only in combination with the metam-sodium component and with a foaming agent to control roots in sewer systems according to the directions for use. They must be used only where wastewater from root control is processed through a wastewater treatment facility. Refer to specific mixing and use directions and associated calculations on the inner package labeling of the metam-sodium product. Do not use this product without these specific directions and full precautionary labeling.

When used in inhabited buildings (residences, offices, hospitals, etc.) windows must be open or an exhaust fan must be operating during the application.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Do not store near food or feed, seeds, bulbs, tubers, nursery stock or other vegetation matter. Keep containers tightly closed when not in use. Store in dry place.

PESTICIDE DISPOSAL: Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of 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: Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

LIMITATION OF LIABILITY...READ CAREFULLY

To the extent consistent with applicable law, seller disclaims all liability, tort or otherwise, and all warranties, expressed or implied, including merchantability, seller shall not be liable for any damages, whether they be direct, consequential, special or indirect, which result from the use or handling of this product. Seller's sole liability and buyer's and user's sole remedy shall be limited to the refund of the purchase price.