

1015-70

9/27/2013

1124



U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (7504P)
Ariel Rios Building
1200 Pennsylvania Ave., NW
Washington, D.C. 20460

EPA Registration
 Number:
 1015-70

Date of Issuance:
 SEP 27 2013

NOTICE OF PESTICIDE:
 Registration
 Reregistration
 (under FIFRA, as amended)

Term of Issuance: Unconditional

Name of Pesticide Product:
 Sanafoam Vaporooter II

Name and Address of Registrant (include ZIP Code):
 Douglas Products and Packaging Company
 c/o Pyxis Regulatory Consulting, Inc.
 4110 136th St. 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 September 26, 2013. 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** 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.

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 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 regarding this Notice, please contact Maggie Rudick at (703) 347-0257 or at rudick.maggie@epa.gov.

Signature of Approving Official:

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

Date:

SEP 27 2013

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ACCEPTED
SEP 27 2013
Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg No. 1015-70

Center Panel – Outer Box Label

RESTRICTED USE PESTICIDE
DUE TO ACUTE INHALATION TOXICITY, SKIN IRRITATION AND ACUTE DERMAL 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.

SANAFOAM® VAPOROOTER II

A Foaming Fumigant
Rids Sewer Lines of Roots
Will Not Harm Trees, Non-Systemic

This product contains:

1. SANAFOAM VAPOROOTER II Liquid Concentrate

ACTIVE INGREDIENT:	% By Weight
Metam-Sodium (sodium methyldithiocarbamate)	30.0%
OTHER INGREDIENTS:	<u>70.0%</u>
TOTAL:	100.0%

2. DICHLOBENIL 50 W

ACTIVE INGREDIENT:	% By Weight
Dichlobenil (2,6-dichlorobenzonitrile)	50.0%
OTHER INGREDIENTS:	<u>50.0%</u>
TOTAL:	100.0%

KEEP OUT OF REACH OF CHILDREN
DANGER PELIGRO

CAUSES SKIN IRRITATION, SEE OTHER LABEL PRECAUTIONS.

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.)

EPA Reg. No. 1015-70

EPA Est. No.

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

Net Contents:

- 1. SANAFOAM VAPOROOTER II LIQUID CONCENTRATE: 1 Quart, 5 Gal.
- 2. DICHLOBENIL 50W POWDER: 1.5 oz., 30 oz.

Center Panel – (cont'd)

FIRST AID	
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 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 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 by mouth-to-mouth, if possible. • Call a poison control center or doctor for further 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.
HOT LINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-858-7378 for emergency medical treatment information.	
NOTE TO PHYSICIAN	
Probable mucosal damage may contraindicate the use of gastric lavage.	

**SEE ADDITIONAL PRECAUTIONARY STATEMENTS ON SIDE PANELS
SEE ADDITIONAL PRECAUTIONARY STATEMENTS ON CONTAINERS INSIDE THIS
PACKAGE**

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Left Panel – Outer Box Label

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

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

Left Panel (Cont.)

PERSONAL PROTECTIVE EQUIPMENT (PPE)

1. The following protective clothing and equipment are required to be used by persons actually engaged in carrying out any operations that are likely to involve direct contact with metam-sodium including mixing, loading, equipment calibrations or adjustments, cleaning and repair of application equipment, entering into treated areas, sampling, clean up of spills, rinsate disposal, or any other activities likely to result in direct contact with the product. This protective equipment must also be used for any operations that are carried out within six feet of unshielded, pressurized hoses containing metam-sodium solutions.
 - Splash resistant eye protection
 - Body covering including shirt and long pants or long sleeved clothing. When a closed system is not used, mixers and loader must also wear a chemical-resistant apron or cloth coveralls.
 - Chemical-resistant gauntlet-type gloves and boots
2. The following protective equipment must be worn at all times by persons operating or monitoring application equipment.
 - Chemical-resistant footwear
 - Body covering including shirt and long pants or long sleeved clothing
3. The following protective clothing and equipment must be immediately available at all times for use by persons operating or monitoring application equipment.
 - A properly fit tested NIOSH- or MSHA- approved half face respirator with organic vapor cartridge(s) plus splash resistant eye protection or NIOSH- or MSHA- approved full face respirator with organic vapor cartridge(s). This equipment must be worn in case of emergencies or leaks when the pungent, rotten egg or sulfur-like odor of metam-sodium is detected.
 - Chemical-resistant gauntlet-type gloves. These must be worn when a person is engaged in carrying out any operation that is likely to involve direct contact with the product, including the operations listed in paragraph No. 1 above.

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APPLICATION RESTRICTIONS

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 of 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.

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. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. As soon as possible, wash thoroughly and change into clean clothing.

Left Panel (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. Drains which may be subject to backup and flooding must be plugged. Follow the directions for measurement and use carefully to avoid using excess foam that may be forced up lateral lines to building drains. Building occupants should exit structures if the 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, wash area of spill or back up with water and detergent and flush down drain. If rugs or cloth are contacted, take outside and dry before laundering separately.

Avoid any entry into manholes or confined areas. When absolutely necessary to enter these areas, be sure to use all safety protection equipment and procedures as required by law.

USE RESTRICTIONS

Do not use in confined areas without adequate ventilation.

Left Panel (cont.)

ENVIRONMENTAL HAZARDS

This pesticide is toxic to mammals, birds, aquatic invertebrates and fish. Do not apply directly to water, or 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 wash waters or rinsate. Equipment washwaters and wastes resulting from the use of this product must be disposed of onsite according to the label directions for use or at an approved water 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.

USE PRECAUTIONS NEAR TREATMENT PLANTS

Divide large scale applications to sewage collection systems in proximity to a treatment plant 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, cease root control applications until normal conditions are established. Reduce subsequent treatments in size or volume and spread over greater time intervals.

USE RESTRICTIONS NEAR TREATMENT PLANTS

This product 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.

Never exceed the daily use of more than 15 gallons of Sanafoam Vaporooter II Liquid Concentrate for each million gallons of sewage flow (MGD) into the wastewater treatment plant (WWTP). *Example:* Inflow into the WWTP is 2.4 MGD, therefore, use a maximum of 36 gallons (2.4 x 15) of Sanafoam Vaporooter II per day. When Vaporooting within one mile distance of the WWTP or when applying at night reduce the maximum application use by 50 % to 18 gallons (36 x .5). The above maximum daily use must extend over an eight hour work period.

PHYSICAL OR CHEMICAL HAZARDS

Do not use or store near heat or open flames.

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Left Panel (cont.)

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Do not store near food or feed, seeds, bulbs, tubers, nursery stock or other vegetative matter. Do not store near pet or livestock quarters. Store in a cool, dry, and well ventilated area. Keep containers tightly closed when not in use.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product must be disposed of on site by discharging into sewer pipes being treated or at an approved waste disposal facility.

CONTAINER DISPOSAL (PLASTIC 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 1/4 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.

CONTAINER DISPOSAL (WSP PACKAGING): Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available or, dispose of the empty outer foil pouch in the trash as long as WSP is unbroken.

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.

PRODUCT INFORMATION

SANAFOAM VAPOROOTER II is a foaming, surface-active formulation of metam-sodium plus DICHLOBENIL 50W for dilution in water.

SANAFOAM VAPOROOTER II is a non-systemic chemical for control of roots in sewer mains and drain lines. Only the roots and organic deposits in the sewer lines are affected by SANAFOAM VAPOROOTER II liquid concentrate.

SANAFOAM VAPOROOTER II is packaged to contain separate units within an outer fiberboard container; a foil bag of dichlobenil herbicide powder and a plastic container holding the SANAFOAM VAPOROOTER II Liquid Concentration.

SANAFOAM VAPOROOTER II must not be used to treat roots in storm sewers or other drains where the wastewater will not be treated or controlled.

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Right Panel – Outer Box Label

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 in combination and with a foaming agent (contained in the liquid concentrate) to control roots in sewer systems according to the directions for use.

DIRECTIONS FOR USE OF SANAFoAM VAPOROOTER II WITH FOAMAKER GENERATORS

A. DETERMINE WHICH OF THE COLLECTION LINES HAVE KNOWN ROOT PROBLEMS.

1. SURVEY TREATMENT AREA

Confirm the line size and length. Evaluate slope, flow, lateral connections, line length, outfall, line obstructions, terrain and other field conditions. A thorough evaluation prior to starting will assure safe and accurate application of SANAFoAM VAPOROOTER II.

2. DETERMINE QUANTITY OF FOAM NEEDED

From Table 1 compute the quantity of foam required to fill the length of pipe (in feet) to be treated.

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Right Panel (cont.)

TABLE 1. Foam Requirements and Hose Retrieval Rates for SANAFoAM VAPOROOTER II APPLICATIONS

Pipe I.D. (inches)	Foam Capacities (gal./ft.)	Retrieval Rate (sec./10 ft.)
4	0.7	4.2
6	1.5	9.0
8	2.5	15.0
9	3.3	20.0
10	4.1	24.0
12	5.9	36.0
15	9.2	55.0
16	10.4	62.0
18	13.2	78.0
21	18.0	108.0
24	23.5	141.0
27	29.7	178.0

Example: An 8" pipe requires 2.5 gallons of foam per foot to fill the pipe. Therefore, 3750 gallons of foam are required to fill an 8 inch pipe 1500 feet in length (1500 ft. x 2.5 gal/ft. = 3750 gal).

Right Panel (cont.)

3. MEASUREMENT DIRECTIONS TO PRODUCE DESIRED QUANTITY OF FOAM

TABLE 2. Mixing Instructions for Diluting SANAFoam VAPOROOTER II LIQUID CONCENTRATE

Foam Requirement	Total Mix Volume	Water	Sanafoam Vaporooter II
100 gal.	5.25 gal.	5 gal.	1.0 qt.
125 gal.	6.25 gal.	6 gal.	1.0 qt.
200 gal.	10.5 gal.	10 gal.	2.0 qt.
250 gal.	12.5 gal.	12 gal.	0.5 gal.
500 gal.	25.0 gal.	24 gal.	1.0 gal.
700 gal.	36.75 gal.	35 gal.	1.75 gal.
800 gal.	42.0 gal.	40 gal.	2.0 gal.
1000 gal.	52.5 gal.	50 gal.	2.5 gal.
1250 gal.	62.5 gal.	60 gal.	2.5 gal.
1400 gal.	73.5 gal.	70 gal.	3.0 gal.
1600 gal.	84.0 gal.	80 gal.	4.0 gal.
2500 gal.	125.0 gal.	120 gal.	5.0 gal.
3750 gal.	187.5 gal.	180 gal.	7.5 gal.
5000 gal.	250.0 gal.	240 gal.	10.0 gal.

Example: 180 gallons of water plus 7.5 gallons of Sanafoam Vaporooter II solution will produce 3750 gallons of foam.

Right Panel (cont.)

[Note to Reviewer: *The Mixing Procedures provided below are for product packaged as 5 gallon Sanafoam Vaporooter II Liquid Concentrate and 30 oz. dichlobenil water soluble bag]*

4. MIXING PROCEDURES: TANK MIX

1. Fill the Foamaker Equipment mix tank ¼ to ½ full of clean water leaving room in the tank for the rinse water to be used as described below.
2. Open outer fiberboard container and remove the foil bag containing the dichlobenil herbicide.
3. Remove the 5 gallon inner container containing the Sanafoam Vaporooter II Liquid Concentrate as needed.
4. Remove the Dichlobenil 50W water soluble inner bag from the labeled protective outer foil bag.
5. Place the unopened water soluble bag through the access lid and into the water in the mix tank as needed.
6. Allow about 7 minutes for the bag to dissolve and the powder to thoroughly mix.
7. Transfer the liquid from the 5 gallon container as necessary into the Foamaker solution mix tank using the suction pump system on the Foamaker.
8. Triple rinse the 5 gallon liquid container (again using the suction pump system to add the rinse water to the mix tank).
9. Add to the mix tank the remainder of the required water and mix thoroughly.
10. Dispose of containers in accordance with disposal instructions.

[Note to Reviewer: *The Mixing Procedures provided below are for product packaged as 1 quart Sanafoam Vaporooter II Liquid Concentrate and 1.5 oz. dichlobenil water soluble bag]*

4. MIXING PROCEDURES: TANK MIX

1. Open outer fiberboard container and remove foil bag containing the dichlobenil herbicide.
2. Remove plastic inner container containing the Sanafoam Vaporooter II Liquid Concentrate.
3. Carefully add contents of the foil bag to the liquid concentrate container of Sanafoam Vaporooter II. Mix thoroughly until dichlobenil powder is completely mixed.
4. Transfer the mixture into the Foamaker solution tank. The tank should contain the correct amount of water.
5. Rinse container and add rinse water to contents of solution tank.
6. Dispose of container in accordance with disposal instructions.

[Note to Reviewer: *The Mixing Procedures provided below are for product packaged as 5 gallon Sanafoam Vaporooter II Liquid Concentrate and 30 oz. dichlobenil water soluble bag]*

4. MIXING PROCEDURES: ON DEMAND/INLINE MIX

1. Fill the Dichlobenil mix tank with five gallons of water.
2. Open outer fiberboard container and remove foil bag containing the Dichlobenil 50W herbicide.
3. Remove the Dichlobenil 50W water soluble inner bag from the labeled protective outer foil bag. **DO NOT OPEN THE WATER SOLUBLE BAG.**
4. Place the unopened water soluble bag through the access lid and into the water in the Dichlobenil mix tank as needed.
5. Run the mixer on the Dichlobenil mix tank and allow 7 minutes for the bag to dissolve and the powder to thoroughly mix.

6. Remove the 5 gallon inner container containing the Sanafoam Vaporooter II Liquid Concentrate as needed.
7. Connect the liquid from the 5 gallon container to the suction pump on the Foamaker.
8. Triple rinse the 5 gallon liquid container using the wash down hose.
9. Add rinsate to the Dichlobenil mix tank and mix thoroughly.
10. Puncture liquid pesticide container to prevent reuse.
11. Dispose of triple rinsed, punctured, empty container in accordance with the container disposal directions on this label.

USE SOLUTION PROMPTLY AFTER MIXING. Wash and flush all equipment with water after each day's use.

KEEP OFF DESIRABLE LAWNS AND PLANTS. If spillage occurs on the street or other paved areas near growing plants, immediately flush the spill thoroughly with water at moderate pressure into the sewer line.

Right Panel (cont.)

APPLICATION GUIDELINES FOR SANAFOAM VAPOROOTER II

- 1. **TO APPLY FOAM TO MAIN LINES:** Insert foam discharge hose through entire section of line to be treated. Start foam generating equipment and withdraw discharge hose at a rate calibrated to fill the pipe line to capacity (as listed in Table 1), until foam appears at input manhole. Use appropriate foam application equipment designed to produce required foam volume.

You may multiply the retrieval rates in Table 1 by 1.10 to allow for some treatment of laterals (about 3-6 feet) and to allow more foam to push into cracks and broken joints.

- 2. **IF TREATING A BUILDING LATERAL:** Be sure foam application discharge hose is also of a specialized type and is securely positioned into and inflated in the clean-out to prevent foam overflow and/or plug blowout. Operate foam generating equipment until required amount of foam has been produced, as calculated from information in Table 1.

NOTE: Do not overfill lateral.

FOAMAKER Generators produce 20 gallons of foam from each gallon of Sanafoam Vaporooter II mixed solution.

FOAMAKER Generators are manufactured for Douglas Products to our specifications and are available from Douglas Products.

For additional information on special applications contact sales representative of manufacturer. All application procedures must be in accordance with established methods and systems as developed by Douglas Products.

WARRANTY STATEMENT

To the extent consistent with applicable law, Douglas Products makes no warranty, expressed or implied, including the warranties of merchantability and/or fitness for any particular purpose, concerning this material, except for those which are contained on this label.

EPA [approval date]

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Center Front Panel – Inner Dichlobenil Label

RESTRICTED USE PESTICIDE
DUE TO ACUTE TOXICITY

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.

DICHLOBENIL 50 W

(FOR USE IN SANAFoAM VAPOROOTER II FOAM APPLICATIONS)

ACTIVE INGREDIENT:	% By Weight
Dichlobenil (2,6-dichlorobenzonitrile)	50.0%
OTHER INGREDIENTS:	<u>50.0%</u>
TOTAL:	100.0%

KEEP OUT OF REACH OF CHILDREN

CAUTION

See additional precautionary statements on side panels.

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.)

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. This package contains one 30 oz. [optional text: one 1.5 oz.] water soluble inner bag for direct addition to the equipment mix tank when making foam applications of SANAFoAM VAPOROOTER II. See the outer box label for additional precautions, complete labeling, and instructions for use in SANAFoAM VAPOROOTER II.

EPA Reg. No. 1015-70

EPA Est. No.

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

Net Weight: 1.5 oz., 30 oz.

Left Front Panel – Inner Dichlobenil Label

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. • <i>Do not give anything by mouth to an unconscious person.</i>
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	
For additional information in case of emergency call toll free (1-800-858-7378). Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	

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

Harmful if swallowed or absorbed through skin. Avoid contact with eyes, skin or clothing.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Mixers, loaders, applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Shoes plus socks
- Chemical-resistant gloves made of any waterproof material
- Chemical-resistant apron when mixing and loading

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
<p>Users should:</p> <ul style="list-style-type: none"> • Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. • Remove clothing/PPE immediately if pesticide gets inside. Then 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.

Right Front Panel – Inner Dichlobenil Label

ENVIRONMENTAL HAZARDS

Keep out of lakes, ponds or streams. Toxic to fish and aquatic life. 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. Equipment washwaters and wastes resulting from the use of this product may be disposed of on site according to label directions or at an approved waste disposal facility. Do not use in potable sewer systems. Do not use in storm, field or other drains until 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.

USE PRECAUTIONS

See the outer box label for additional precautions, complete labeling, and instructions for use in SANAFoam VAPOROOTER II.

USE RESTRICTIONS

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

PHYSICAL OR CHEMICAL HAZARDS

Do not use or store near heat or open flames.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Do not store near food or feed, seeds, bulbs, tubers, nursery stock or other vegetative matter. Do not store near pet or livestock quarters. Store in a cool, dry, and well ventilated area. Do not open the protective foil pouch until water soluble bags are needed.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product must be disposed of on site by discharging into sewer pipes being treated or at an approved waste disposal facility.

CONTAINER DISPOSAL: Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available or, dispose of the empty outer foil pouch in the trash as long as WSP is unbroken.

[Note to reviewer (optional text): Container Disposal language below will appear on labeling of fiber drums containing water-soluble bags transported to the final packaging establishment]

CONTAINER DISPOSAL: Nonrefillable container. Do not reuse or refill this container. Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into processing equipment. Then offer for recycling if available or dispose of in a sanitary landfill or by incineration. If drum is contaminated and cannot be reused, dispose of it in the manner required for its liner.

EPA [approval date]

19/24

Center Panel – Inner Metam-Sodium Label

RESTRICTED USE PESTICIDE
DUE TO ACUTE INHALATION TOXICITY, SKIN IRRITATION AND ACUTE DERMAL 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.

SANAFOAM VAPOROOTER II
LIQUID CONCENTRATE

(FOR USE IN SANAFOAM VAPOROOTER II FOAM APPLICATIONS)

ACTIVE INGREDIENT:	% By Weight
Metam-Sodium (sodium methyldithiocarbamate)	30.0%
OTHER INGREDIENTS:	<u>70.0%</u>
TOTAL:	100.0%

Contains 2.90 lbs. active ingredient per gallon.

KEEP OUT OF REACH OF CHILDREN
DANGER PELIGRO

CAUSES SKIN IRRITATION, SEE OTHER LABEL PRECAUTIONS

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.)

SEE PRECAUTIONARY STATEMENTS ON SIDE PANELS.

EPA Reg. No. 1015-70

EPA Est. No.

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

Net Contents: 1 Quart, 5 Gal.

Left Side Panel – Inner Metam Label

FIRST AID	
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 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 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.
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.
HOT LINE NUMBER	
For additional information in case of emergency call toll free (1-800-858-7378). Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	
NOTE TO PHYSICIAN	
Probable mucosal damage may contraindicate the use of gastric lavage.	

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

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

Right Side Panel – Inner Metam Label

PERSONAL PROTECTIVE EQUIPMENT (PPE)

1. The following protective clothing and equipment are required to be used by persons actually engaged in carrying out any operations that are likely to involve direct contact with metam-sodium including mixing, loading, equipment calibrations or adjustments, cleaning and repair of application equipment, entering into treated areas, sampling, clean up of spills, rinsate disposal, or any other activities likely to result in direct contact with the product. This protective equipment must also be used for any operations that are carried out within six feet of unshielded, pressurized hoses containing metam-sodium solutions.
 - Splash resistant eye protection
 - Body covering including shirt and long pants or long sleeved clothing. When a closed system is not used, mixers and loader must also wear a chemical-resistant apron or cloth coveralls.
 - Chemical-resistant gauntlet-type gloves and boots

2. The following protective equipment must be worn at all times by persons operating or monitoring application equipment.
 - a. Chemical-resistant footwear
 - b. Body covering including shirt and long pants or long sleeved clothing
 - i. The following protective clothing and equipment must be immediately available at all times for use by persons operating or monitoring application equipment.
 - A properly fit tested NIOSH- or MSHA- approved half face respirator with organic vapor cartridge(s) plus splash resistant eye protection or NIOSH- or MSHA- approved full face respirator with organic vapor cartridge(s). This equipment must be worn in case of emergencies or leaks when the pungent, rotten egg or sulfur-like odor of metam-sodium is detected.
 - Chemical-resistant gauntlet-type gloves. These must be worn when a person is engaged in carrying out any operation that is likely to involve direct contact with the product, including the operations listed in paragraph No. 1 above.

APPLICATION RESTRICTIONS

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 of 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.

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. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. As soon as possible, wash thoroughly and change into clean clothing.

Right Side Panel – Inner Metam Label

ENVIRONMENTAL HAZARDS

This pesticide is toxic to mammals, birds, aquatic invertebrates and fish. Do not apply directly to water, or 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 wash waters or rinsate. Equipment washwaters and wastes resulting from the use of this product must be disposed of onsite according to the label directions for use or at an approved water 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.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. This package contains a metam-sodium liquid concentrate for addition to the equipment mix tank when making foam applications of SANAFoam VAPOROOTER II. See the outer box label for additional precautions, complete labeling, and instructions for use in SANAFoam VAPOROOTER II.

RESTRICTIONS

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.

PHYSICAL OR CHEMICAL HAZARDS

Do not use or store near heat or open flames.

Right Side Panel (cont.) – Inner Metam Label

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Do not store near food or feed, seeds, bulbs, tubers, nursery stock or other vegetative matter. Do not store near pet or livestock quarters. Store in a cool, dry, and well ventilated area.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product must be disposed of on-site by discharging into sewer pipes being treated or at an approved waste disposal facility.

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 and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 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.

EPA [approval date]