

Vaporoooter® B
(A component of the Vaporoooter® Tank Mix Concept)

A FOAMING FUMIGANT
RIDS SEWER LINES OF ROOTS
WILL NOT HARM TREES, NON-SYSTEMIC

COMMERCIAL HERBICIDE
SOLUTION

ACTIVE INGREDIENT:
Metam-sodium 30.00%

REGISTRATION NO. 30225 PEST CONTROL PRODUCTS ACT



DANGER

POISON

DANGER – CORROSIVE TO EYES

DANGER SKIN IRRITANT

POTENTIAL SKIN SENSITIZER

READ LABEL AND ENCLOSED PAMPHLET FOR VAPOROOTER®
TANK MIX CONCEPT BEFORE USING

KEEP OUT OF THE REACH OF CHILDREN

NET CONTENTS 18.9 Litres

Duke's Root Control, LLC
1020 Hiawatha Blvd., West, Syracuse, NY 13204
800-447-6687

WEIGHT PER LITRE 1.15 KILOGRAMS

OUTER BOX CONTAINS ONE 18.9 LITRE CONTAINER of Vaporoooter® B (A component of the Vaporoooter® Tank Mix concept) (Metam sodium) and ONE 850 g POUCH Vaporoooter® A (A component of the Vaporoooter® Tank Mix Concept) (Dichlobenil)

RESTRICTED PRODUCT

NATURE OF RESTRICTION:

This product is only to be sold to and used by individuals holding an appropriate pesticide applicator certificate or licence recognized by the provincial/territorial pesticide regulatory agency where the pesticide application is to occur.

DIRECTIONS FOR USE:

To be used only in combination with Vaporooter® A (A component of the Vaporooter® Tank Mix Concept). Refer to the Vaporooter® Tank Mix Concept pamphlet for complete directions.

Applicators must notify downstream waste water treatment facilities prior to start of metam sodium applications so that they may monitor the operations of the wastewater treatment plant. DO NOT discharge effluent containing this product or the biocide produced into lakes, streams, ponds, estuaries, oceans or other waters unless the effluent has been detoxified by suitable means.

PRECAUTIONS:

KEEP OUT OF REACH OF CHILDREN.

Fatal or Poisonous if swallowed or absorbed through the skin. DO NOT get on skin or on clothing. Harmful if inhaled. Avoid inhaling/breathing vapour or sprays. CORROSIVE to the eye and to skin. DO NOT get in eyes or on skin. Potential skin sensitizer.

Personal Protective Equipment:

Wear coveralls over a long-sleeve shirt and long pants, chemical-resistant gloves, chemical-resistant footwear plus socks, chemical-resistant apron (if transferring or loading the product or cleaning up spills or equipment), and a respirator with a NIOSH-approved organic-vapour-removing cartridge with a prefilter approved for pesticides OR a NIOSH-approved canister approved for pesticides during mixing, loading, transfer, application or any other handling activities. In addition, wear face-sealing goggles if using a half-face respirator.

Support personnel must wear a long-sleeved shirt, long pants and shoes plus socks. In addition, they must have the handler PPE listed above in this section immediately available, and must wear it, when there is a possibility of exposure to either liquid spray or vapours.

Engineering Controls for Closed Loading and/or Transfer Systems:

Mixers and loaders must use a system capable of removing the pesticide from the shipping container and transferring it into 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 Personal Protective Equipment section of this label.

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 propels the nozzle forward while preparing the roots and the pipe for the application of herbicide. Once the hose and nozzle have arrived at the beginning of the 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 15 metres 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.

Respiratory Protection and Stop Work Triggers:

All handlers must wear a respirator during all mixing, loading, transfer, application or any other handling activities (see **Personal Protective Equipment** Section). Support personnel are not required to wear a respirator, but must have a respirator immediately available in the event of an emergency. The procedures outlined in Table 1 must be followed to determine if operations must cease.

Table 1. Respiratory Protection and Stop Work Triggers

<p>If at any time any person experiences sensory irritation <u>when not wearing a respirator</u></p>	<p>Then either:</p> <ul style="list-style-type: none"> • Operations must cease and all personnel present must leave the site. <p>OR</p> <ul style="list-style-type: none"> • An air-purifying respirator must be worn by all personnel and air monitoring samples must be collected for MITC every 2 hours at the location where irritation was first experienced.
<p>If at any time any person experiences sensory irritation <u>when wearing a respirator</u></p>	<p>Operations must cease and all personnel must leave the site.</p>
<p>If at any time a MITC air sample is greater than or equal to 6 ppm</p>	<p>Operations must cease and all personnel must leave the site.</p>
<p>If operations must cease, work can only resume provided:</p>	<ul style="list-style-type: none"> • All personnel wear a respirator, • Two consecutive breathing zone samples for MITC taken at least 15 minutes apart are less than 6 ppm at the location where irritation was first experienced, • Handlers do not experience sensory irritation while wearing a respirator, • Respirator cartridges/canisters have been changed, and • Air monitoring samples must be collected at least every 2 hours in the breathing zone of a handler.

Handler Use Precautions:

For all products:

Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.

Remove clothing immediately if pesticide comes in contact with skin through soaked clothing or spills. Then wash skin thoroughly and put on clean clothing. Wash contaminated clothing separately from other clothes before reuse.

Store personal protective equipment out of reach of children and pets.

Avoid touching ‘clean’ surfaces while wearing personal protective equipment (for example: steering wheel, door handles, counter tops), or thoroughly clean these surfaces afterwards with water and detergent.

Remove personal protective equipment immediately after handling this product. Remove personal protective equipment in a predetermined area separate from living or working areas.

Wash the outside of the gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

Avoid touching eyes and face until you have washed your hands.

Never use the mouth to siphon product from containers or to blow out clogged lines, nozzles, etc.

Repair/replace torn or broken personal protective equipment.

Use hot water, heavy-duty liquid detergent, the highest water level setting, and the longest wash cycle. Keep and wash personal protective equipment separately from other laundry.

If heavily soiled, wash personal protective equipment two or three times. After washing, run the washing machine through a complete cycle with detergent. If possible, line-dry the clothing.

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

Respirators should be stored in a sealed plastic bag until the next use, to preserve the life of the filter. Regularly change respirator cartridge filters.

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

FATAL OR POISONOUS IF SWALLOWED. HARMFUL IF INHALED. AVOID INHALING/BREATHING DUSTS/VAPOUR. MAY IRRITATE EYES. CORROSIVE TO SKIN. AVOID CONTACT WITH SKIN, EYES AND CLOTHING. POTENTIAL SKIN SENSITIZER. PROLONGED OR FREQUENTLY REPEATED SKIN CONTACT MAY CAUSE ALLERGIC REACTIONS IN SOME INDIVIDUALS. WASH HANDS THOROUGHLY WITH SOAP AND WATER BEFORE EATING, DRINKING, USING TOBACCO, CHEWING GUM OR USING THE TOILET AND CHANGE TO CLEAN CLOTHING. IF CLOTHING BECOMES CONTAMINATED, REMOVE AND WASH SEPARATELY FROM HOUSEHOLD LAUNDRY BEFORE REUSE. TOXIC TO FISH – DO NOT CONTAMINATE DOMESTIC OR IRRIGATION WATER, LAKES, STREAMS OR PONDS BY THE CLEANING OF EQUIPMENT OR THE DISPOSAL OF WASTES. STAY OUT OF TREATED AREA. KEEP OFF DESIRABLE LAWNS, PLANTS OR CROPS. DO NOT USE IN CONFINED AREAS WITHOUT ADEQUATE VENTILATION. WHEN USED IN INHABITED BUILDINGS (RESIDENCES, OFFICES, HOSPITALS, ETC.), WINDOWS MUST BE OPEN OR AN EXHAUST FAN MUST BE OPERATING DURING APPLICATION.

Keep all unprotected persons, children, livestock and pets away from treated area or where there is danger of drift, such as a spill. Do not rub eyes or mouth with hands. If you feel sick in any way, STOP work and get help immediately. See First Aid section.

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

FIRST AID:

IF SWALLOWED: Call a poison control centre 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 centre or doctor. Do not give anything by mouth to an unconscious person.

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 centre or doctor for treatment advice.

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

IF INHALED: 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 centre or doctor for further treatment advice.

Take the container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

TOXICOLOGICAL INFORMATION: Treat symptomatically.

STORAGE:

1. Store in original, tightly-closed container.
2. Do not ship or store near food, feed, seed or fertilizers. To prevent contamination store this product away from food or feed.
3. Store in cool, dry, locked, well-ventilated area without floor drain.
4. Herbicides should be shipped or stored separately from other pesticides to avoid cross-contamination.
5. Protect from freezing.
6. Keep away from heat, fire and sparks.

ENVIRONMENTAL HAZARDS:

Toxic to aquatic organisms, small wild mammals and non-target terrestrial plants.

DISPOSAL:

Do not reuse this container for any purpose. This is a recyclable container, and is to be disposed of at a container collection site. Contact your local distributor/dealer or municipality for the location of the nearest collection site.

Before taking the container to the collection site:

1. Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
2. Make the empty, rinsed container unsuitable for any further use.

If there is no container collection site in your area, dispose of the container in accordance with provincial requirements.

For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean-up of spills.

NOTICE TO USER:

This pest control product is to be used only in accordance with the directions on the label. It is an offence under the Pest Control Products Act to use this product in a way that is inconsistent with the directions on the label.

**VAPOROOTER®
TANK MIX CONCEPT**

Mixture of
Vaporooter® A (A component of the Vaporooter® Tank Mix Concept) and
Vaporooter® B (A component of the Vaporooter® Tank Mix Concept)

COMMERCIAL HERBICIDE

A FOAMING FUMIGANT
CLEANS SEWER LINES OF ROOTS
WILL NOT HARM TREES, NON-SYSTEMIC

A formulation of dichlobenil and Metam Sodium

REGISTRATION No. Refer to labels for
Vaporooter® A (A component of the Vaporooter® Tank Mix Concept) and
Vaporooter® B (A component of the Vaporooter® Tank Mix Concept)



DANGER

POISON

DANGER – CORROSIVE TO EYES

DANGER SKIN IRRITANT

POTENTIAL SKIN SENSITIZER

READ LABEL BEFORE USING
KEEP OUT OF THE REACH OF CHILDREN

NET CONTENTS 18.9 Litres

Duke's Root Control, LLC
1020 Hiawatha Blvd., West, Syracuse, NY 13204
800-447-6687

WEIGHT PER LITRE 1.15 KILOGRAMS

OUTER BOX CONTAINS

ONE 0.950 LITRE CONTAINER of Vaporooter® B (A component of the Vaporooter® Tank Mix Concept)
AND 1 x 42.5g Solubag Vaporooter® A (A component of the Vaporooter® Tank Mix Concept)

or

ONE 18.9 LITRE CONTAINER of Vaporooter® B (A component of the Vaporooter® Tank Mix Concept)
AND 1 x 850 g Solubag Vaporooter® A (A component of the Vaporooter® Tank Mix Concept)

RESTRICTED PRODUCT

NATURE OF RESTRICTION:

This product is only to be sold to and used by individuals holding an appropriate pesticide applicator certificate or licence recognized by the provincial/territorial pesticide regulatory agency where the pesticide application is to occur.

PRECAUTIONS:

KEEP OUT OF REACH OF CHILDREN.

Fatal or Poisonous if swallowed or absorbed through the skin. DO NOT get on skin or on clothing. Harmful if inhaled. Avoid inhaling/breathing vapour or sprays. CORROSIVE to the eye and to skin. DO NOT get in eyes or on skin. Potential skin sensitizer. **Personal Protective Equipment:**

Wear coveralls over a long-sleeve shirt and long pants, chemical-resistant gloves, chemical-resistant footwear plus socks, chemical-resistant apron (if transferring or loading the product or cleaning up spills or equipment), and a respirator with a NIOSH-approved organic-vapour-removing cartridge with a prefilter approved for pesticides OR a NIOSH-approved canister approved for pesticides during mixing, loading, transfer, application or any other handling activities. In addition, wear face-sealing goggles if using a half-face respirator.

Support personnel must wear a long-sleeved shirt, long pants and shoes plus socks. In addition, they must have the handler PPE listed above in this section immediately available, and must wear it, when there is a possibility of exposure to either liquid spray or vapours.

Engineering Controls for Closed Loading and/or Transfer Systems:

Mixers and loaders must use a system capable of removing the pesticide from the shipping container and transferring it into 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 Personal Protective Equipment section of this label.

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 propels the nozzle forward while preparing the roots and the pipe for the application of herbicide. Once the hose and nozzle have arrived at the beginning of the 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 15 metres 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.

Respiratory Protection and Stop Work Triggers:

All handlers must wear a respirator during all mixing, loading, transfer, application or any other handling activities (see **Personal Protective Equipment** Section). Support personnel are not required to wear a respirator, but must have a respirator immediately available in the event of an emergency. The procedures outlined in Table 1 must be followed to determine if operations must cease.

Table 1. Respiratory Protection and Stop Work Triggers

<p>If at any time any person experiences sensory irritation <u>when not wearing a respirator</u></p>	<p>Then either:</p> <ul style="list-style-type: none"> • Operations must cease and all personnel present must leave the site. <p>OR</p> <ul style="list-style-type: none"> • An air-purifying respirator must be worn by all personnel and air monitoring samples must be collected for MITC every 2 hours at the location where irritation was first experienced.
<p>If at any time any person experiences sensory irritation <u>when wearing a respirator</u></p>	<p>Operations must cease and all personnel must leave the site.</p>
<p>If at any time a MITC air sample is greater than or equal to 6 ppm</p>	<p>Operations must cease and all personnel must leave the site.</p>
<p>If operations must cease, work can only resume provided:</p>	<ul style="list-style-type: none"> • All personnel wear a respirator, • Two consecutive breathing zone samples for MITC taken at least 15 minutes apart are less than 6 ppm at the location where irritation was first experienced, • Handlers do not experience sensory irritation while wearing a respirator, • Respirator cartridges/canisters have been changed, and • Air monitoring samples must be collected at least every 2 hours in the breathing zone of a handler.

Handler Use Precautions:

For all products:

Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.

Remove clothing immediately if pesticide comes in contact with skin through soaked clothing or spills. Then wash skin thoroughly and put on clean clothing. Wash contaminated clothing separately from other clothes before reuse.

Store personal protective equipment out of reach of children and pets.

Avoid touching ‘clean’ surfaces while wearing personal protective equipment (for example: steering wheel, door handles, counter tops), or thoroughly clean these surfaces afterwards with water and detergent.

Remove personal protective equipment immediately after handling this product. Remove personal protective equipment in a predetermined area separate from living or working areas.

Wash the outside of the gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

Avoid touching eyes and face until you have washed your hands.

Never use the mouth to siphon product from containers or to blow out clogged lines, nozzles, etc.

Repair/replace torn or broken personal protective equipment.

Use hot water, heavy-duty liquid detergent, the highest water level setting, and the longest wash cycle. Keep and wash personal protective equipment separately from other laundry.

If heavily soiled, wash personal protective equipment two or three times. After washing, run the washing machine through a complete cycle with detergent. If possible, line-dry the clothing.

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

Respirators should be stored in a sealed plastic bag until the next use, to preserve the life of the filter. Regularly change respirator cartridge filters.

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

FATAL OR POISONOUS IF SWALLOWED. HARMFUL IF INHALED. AVOID INHALING/BREATHING DUSTS/VAPOUR. MAY IRRITATE EYES. CORROSIVE TO SKIN. AVOID CONTACT WITH SKIN, EYES AND CLOTHING. POTENTIAL SKIN SENSITIZER. PROLONGED OR FREQUENTLY REPEATED SKIN CONTACT MAY CAUSE ALLERGIC REACTIONS IN SOME INDIVIDUALS. WASH HANDS THOROUGHLY WITH SOAP AND WATER BEFORE EATING, DRINKING, USING TOBACCO, CHEWING GUM OR USING THE TOILET AND CHANGE TO CLEAN CLOTHING. IF CLOTHING BECOMES CONTAMINATED, REMOVE AND WASH SEPARATELY FROM HOUSEHOLD LAUNDRY BEFORE REUSE. TOXIC TO FISH – DO NOT CONTAMINATE DOMESTIC OR IRRIGATION WATER, LAKES, STREAMS OR PONDS BY THE CLEANING OF EQUIPMENT OR THE DISPOSAL OF WASTES. STAY OUT OF TREATED AREA. KEEP OFF DESIRABLE LAWNS, PLANTS OR CROPS. DO NOT USE IN CONFINED AREAS WITHOUT ADEQUATE VENTILATION. WHEN USED IN INHABITED BUILDINGS (RESIDENCES, OFFICES, HOSPITALS, ETC.), WINDOWS MUST BE OPEN OR AN EXHAUST FAN MUST BE OPERATING DURING APPLICATION.

Keep all unprotected persons, children, livestock and pets away from treated area or where there is danger of drift, such as a spill. Do not rub eyes or mouth with hands. If you feel sick in any way, STOP work and get help immediately. See First Aid section.

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

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 odour of metam-sodium is detected. Open windows and ventilate with fans. Flush drains with ample water if the odour 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.

Do not use in confined areas without adequate ventilation. 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.

KEEP OFF DESIRABLE LAWNS AND PLANTS:

Do not spill or discard solution waste within one-metre of the drip-line of plants, shrubs, or trees. If excessive spillage occurs on the street or other paved areas near growing plants, immediately flush the spill thoroughly with water spray at moderate pressure, to prevent fumes from drifting toward critical areas.

ENVIRONMENTAL HAZARDS:

Toxic to aquatic organisms, small wild mammals and non-target terrestrial plants.

The use of this chemical may result in contamination of groundwater particularly in areas where soils are permeable (e.g. sandy soils) and/or the depth to the water table is shallow.

USE PRECAUTIONS NEAR TREATMENT PLANTS:

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 odour of metam-sodium above that of sewage and monitor the performance of filter beds or digesters. If the odour 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.

NOTE: Never exceed the daily use of more than 16 Litres of Vaporooter® B (A component of the Vaporooter® Tank Mix Concept) for each million litres of sewage flow (MLD) into the wastewater treatment plant (WWTP). Example: Inflow into the WWTP is 9.0 MLD, therefore, use a maximum of 144 litres (9 x 16) of Vaporooter® B (A component of the Vaporooter® Tank Mix Concept) per day. When Vaporooting within 1.6 kilometre distance of the WWTP or when applying at night reduce the maximum application use by 50 % to 72 litres (144 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.

FIRST AID:

IF SWALLOWED: Call a poison control centre 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 centre or doctor. Do not give anything by mouth to an unconscious person.

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 centre or doctor for treatment advice.

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

IF INHALED: 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 centre or doctor for further treatment advice.

Take the container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

TOXICOLOGICAL INFORMATION:

Treat symptomatically.

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

EFFLUENT FROM TREATED LINES MAY BE HARMFUL TO FISH AND OTHER AQUATIC LIFE.

DO NOT USE IN CONFINED AREAS WITHOUT ADEQUATE VENTILATION.

SPECIAL NOTICE: VAPOROOTER® Tank Mix Concept should not be used to treat roots in storm sewers or other drains where waste water will not be treated or controlled.

PRODUCT INFORMATION

VAPOROOTER® Tank Mix Concept is a foaming, surface-active formulation of metam-sodium plus dichlobenil for dilution in water.

VAPOROOTER® Tank Mix Concept is a non-systemic chemical for control of roots in sewer mains, drain lines and other conduits. Only the roots and organic deposits in the sewer lines are affected by VAPOROOTER® Tank Mix Concept.

MIXING INSTRUCTIONS

The Mixing Procedures provided below are for product packaged as 18.9 litre Vaporooter® B (A component of the Vaporooter® Tank Mix Concept) and 850 g. Vaporooter® A (A component of the Vaporooter® Tank Mix Concept) water soluble bag.

1. Fill the Foamaker Equipment mix tank $\frac{1}{4}$ to $\frac{1}{2}$ 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 Vaporooter® A (A component of the Vaporooter® Tank Mix Concept).
3. Remove the 18.9 litre inner container containing the Vaporooter® B (A component of the Vaporooter® Tank Mix Concept) as needed.
4. Remove the Vaporooter® A (A component of the Vaporooter® Tank Mix Concept) 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 18.9 litre container as necessary into the Foamaker solution mix tank using the suction pump system on the Foamaker.
8. Triple rinse the 18.9 litre 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.

The Mixing Procedures provided below are for product packaged as 0.95 litres Vaporooter® B (A component of the Vaporooter® Tank Mix Concept) and 42.5 g. Vaporooter® A (A component of the Vaporooter® Tank Mix Concept) water soluble bag.

1. Open outer fiberboard container and remove foil bag containing the Vaporooter® A (A component of the Vaporooter® Tank Mix Concept).
2. Remove plastic inner container containing the Vaporooter® B (A component of the Vaporooter® Tank Mix Concept).
3. Remove the Vaporooter® A (A component of the Vaporooter Tank Mix Concept) water soluble inner bag from the labelled protective outer foil bag. Carefully the unopened water soluble bag to the liquid concentrate container of Vaporooter® B (A component of the Vaporooter® Tank Mix Concept). Mix thoroughly until Vaporooter® A (A component of the Vaporooter® Tank Mix Concept) powder is completely mixed.
4. Transfer the mixture into the Foamaker solution tank using the suction pump system on the Foamaker. The tank should contain the correct amount of water.
5. Triple rinse the container (again using the suction pump system to add the rinse water to the mix tank).
6. Dispose of container in accordance with disposal instructions.

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

STORAGE AND DISPOSAL

STORAGE: To prevent contamination store this product away from food or feed. Keep container tightly closed when not in use. Do not store below 1°C or above 32°C.

DISPOSAL:

1. Triple or pressure rinse the emptied container. Add the rinsing to the spray mixture in the tank.
2. Follow provincial instructions for any required additional cleaning of the container prior to its disposal.
3. Make the empty container unsuitable for further use.
4. Dispose of the container in accordance with provincial requirements.
5. For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean-up of spills.

DIRECTIONS FOR USE OF VAPOROOTER® TANK MIX CONCEPT WITH FOAMAKER GENERATORS

As this product is not registered for the control of pests in aquatic systems, DO NOT use to control aquatic pests.

DO NOT contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes.

DO NOT discharge effluent containing this product or the biocide produced into lakes, streams, ponds, estuaries, oceans or other waters unless the effluent has been detoxified by suitable means. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Foam should be shoveled off planted areas immediately rather than washing off with water.

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

NOTICE TO USER: This control product is to be used only in accordance with the directions on this label. It is an offence under the PEST CONTROL PRODUCTS ACT to use this product in a way that is inconsistent with the directions on the label. For addition information on special applications, contact sales representative or manufacturer. All application procedures must be in accordance with established methods and systems as developed by Duke's Root Control, LLC.

Caution must be used to assure foam does not travel into adjacent structures. If the label and user manual instructions are not followed carefully, Duke's Root Control, LLC, will not be held responsible.

1. DETERMINE WHICH OF THE COLLECTION LINES HAVE KNOWN ROOT PROBLEMS. Start with the first manhole section in the upstream end of the line.

Caution must be used by operator in choice of appropriate method of foam treatment.

Consideration of slope, flow, lateral connections, line, obstructions, terrain and other field conditions is necessary for safe operations.

2. DETERMINE QUANTITY OF FOAM NEEDED from this table, compute the quantity of foam necessary to treat a length of sewer, by multiplying the pipe length by the foam required per meter.

SEWER PIPE CAPACITY	
Pipe Diameter	Litres of Foam per 1 meter lengths
100 mm	8 L/m
150 mm	18 L/m
200 mm	31 L/m
225 mm	41 L/m
250 mm	50 L/m
300 mm	72 L/m

Example: An 150mm pipe requires 18 litres of foam per meter to fill the pipe. Therefore 2196 litres of foam will fill a 150mm pipe 122 metres in length. To compensate for foam which enters laterals or exfiltrates from the pipe, a protection factor of 10% to 25% should be added to calculations.

3. MIX AS FOLLOWS TO PRODUCE DESIRED QUANTITY OF FOAM:

VAPOROOTER® TANK MIX CONCEPT		
Mixing Instructions		
To Water	Add VAPOROOTER® TANK MIX CONCEPT	Foam Produced
12L	0.5L	246 litres
24L	1.0L	493 litres
36L	1.5L	739 litres
60L	2.5L	1231 litres
120L	5.0L	2463 litres
240L	10.0L	4925 litres

Example: 240 litres of water plus 10 litres of **VAPOROOTER® TANK MIX CONCEPT** will produce 4925 litres of foam.

4. TO APPLY FOAM TO MAIN LINES: Insert foam discharge hose through entire section of line to be treated. Start foam generation, equipment, and withdraw discharge hose at a rate calibrated to fill the line to capacity (as in the equipment manual), until foam appears in input manhole. Use specialized foam application equipment.

5. 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 cleanout to prevent foam overflow and/or plug blowout. Operate foam generating equipment until required amount of foam has been produced, as indicated in user manual.

FOAMAKER® Generators are manufactured for Duke’s Root Control, LLC to our specification and are available for Duke’s Root Control, LLC.