DANGER (PRECAUTIONS con'd)

- May be harmful if swallowed or inhaled.
- Irritating to eyes, nose and throat.
- Avoid breathing vapor or mist.
- Do not get in eyes, on skin, or clothing.
- In case of contact, immediately remove contaminated clothing or shoes and flush with plenty of water, and apply soothing lotion; for eyes, flush with water for at least 15 minutes and get medical attention, if eye irritation persists.
- Wash and dry clothing and shoes before reuse.
- When applying in enclosed areas, wear a mask or respirator of a type passed by the U.S. Bureau of Mines for VAPAM** protection.
- If eyes smart when working in manhole where VAPOROOTER® SANAFOAM™ is present, leave area and use blower or mask before re-entering manhole.
- Keep children and pets out of area being treated.
- Do not store near feed or foodstuffs.
- Keep container tightly closed when not in use.
- Do not store below 0° or above 150° F.
- PERFORATE EMPTY CONTAINER OR BURY with waste in safe area away from crops and water supplies.

PRODUCT INFORMATION

SANAFOAM™ VAPOROOTER® is a water soluble, foaming, surface-active formulation of VAPAM™ plus Dichlobenil. When properly applied to sewer mains, SANAFOAM™ VAPOROOTER® kills and inhibits the regrowth of plant roots in the interior of the mains, and by absorption into the root cells, kills the roots in and through the pipe joints.

SANAFOAMTM VAPOROOTER & solution is converted into a gaseous furnigant and is maintained in an active foam state on pipe and root surfaces, when the sewer mains are properly foamed with SANAFOAMTM VAPOROOTER R. Dichlobenil, a new root-growth inhibitor, is a

slightly soluble crystalline solid which is readily absorbed by the root and adsorbed on root and organic and inorganic colloids of sludge and clay, in the tile joint. The presence of dichlobenil in the tile joints furnishes a residual control of root regrowth by inhibiting the development of the actively-dividing meristem cells in the root tips. Therefore, new root shoots of branches which may regrow from outside the pipe joints (where cracks or leaks occur) are retarded or inhibited in their growth.

SANAFOAMTM VAPOROOTER is a nonsystemic chemical for control of roots in sewer mains, drain-lines, and other conduits. Root removal helps control septic spots that produce slimes and fatty acid deposits. These organic materials often generate hydrogen sulfide in the sewer main. Only the roots and organic deposits in the sewer lines are affected by SANAFOAMTM VAPOROOTER®.

PROCEDURE FOR CONTROLLING ROOT GROWTH IN SEWER MAINS BY FILLING THE LINE WITH VAPOROOTER® SANAFOAM™

- 1. Determine which of the collection lines have known root problems. Start with the first manhole section in the upstream end of the line.
- 2. Plug the main securely at the manhole on the upstream end of the first section to be foamed with a plug that can be adapted to receive a one-inch hose connection from the FOAMAKER™ and pass the SANA-FOAM™ through the plug into the upstream end of the main to be foamed. Be sure the plug has enough resistance to the back-pressure of the foam (which normally does not exceed 30 pounds per square inch) to force the foam down line, until the foam appears at the other end of the line being treated.

Repeat the above procedure in sections that have root growth downline, or move applicator to other sections of collection lines to be foamed with VAPOROOTER. SANAFOAMTM.

It is important to know that SANAFOAMTM

SANAFOAM* VAPOROOTER®

A FOAMING FUMIGANT

RIDS SEWER LINES OF ROOTS

ROOT GROWTH CAUSES SEPTIC SPOTS IN SEWAGE FLOW.

ANAEROBIC DIGESTION IN THIS RETARDED FLOW CAUSES GREASE
DEPOSITS AND GENERATION OF HYDROGEN SULFIDE.

ACTIVE INGREDIENTS:

Sodium methyldithiocarbamate (anhydrous)	24.25%
INERT INGREDIENTS:	73.98%

Weight per gallon — 9.57 lbs. A C C E P T E D

A FORMULATION OF VAPAM

PLUS DICHLOBENIL

*Airrigation's Reg. T.M.

**Stauffer Chemical Company's Reg. T.M. and U.S. Pat. Nos. 2,766,554; 2,791,605.

DANGER

CAUSES SKIN BURNS

(See left panel for additional precautions.)

manufactured exclusively for

AIRRIGATION ENGINEERING COMPANY, INC.

PATENTS APPLIED FOR

Post Office Box H

Carmel Valley, California 93924

PHONE: 408-659-2000

UNDER THE FEDERAL MS; TUCIDE

FUNGICINE AND BODONTICIDE

FOR POSITIONIC POLSON, REGISTELY

EPA Reg. No. 9993-3-50002 AA

·REG. TM

5 GAL. NET

**REG. TM (STAUFFER)

VAPOROOTER* can be applied it section of line where conditions di downflow or upflow, on normal grades. To allow flow to grain from manhole lengths, it is desirable to stream until a root-infested collect been completely treated

DIRECTIONS FOR US SANAFOAM™ VAPORC WITH THE FOAMAK

First determine foam volume in gasary to fill the section of sewer treated with SANAFOAMTM. This easily computed, using the follow sewer pipe capacity:

SEWER PIPE CAPACITY

Pipe Diameter 1
4 inches
6 inches
8 inches
9 inches
10 inches
12 inches

From this table, compute the quantecessary to treat a length of sew plying the pipe length by the foper foot.

EXAMPLE: Assuming the section be filled with foam is 6" i.d. a long, 600 gallons of foam will just to fill the line.

However, 400' of 6" line could n 10 household connections of Extensive tests indicate that ar foot length of these 4" connec filled with VAPOROOTER* SA

Therefore, approximately 100 houselines will require 70 gallo FOAMTM. We suggest that you mately 700 gallons of VAPOROO FOAMTM to be sure of filling 400-foot, 6" sewer.

The FOAMAKERTM generates 20 g POROOTER® SANAFOAMTM from of VAPOROOTER® solution. There is no solution of VAPOROOTER® solution 700 gallons of VAPOROOTER® SA by the FOAMAKERTM.

FOAMAKERSTM are available from AIRRIGATION only. FOAMAKERSTM are manufactured for AIRRIGATION to our specifications, by Waukesha Foundry Company, Inc.,

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CONTROLLING **SEWER MAINS** E LINE WITH **SANAFOAM™**

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SANAFOAM™ VAPOROOTER®

A FOAMING FUMIGANT

RIDS SEWER LINES OF ROOTS

ROOT GROWTH CAUSES SEPTIC SPOTS IN SEWAGE FLOW. ANAEROBIC DIGESTION IN THIS RETARDED FLOW CAUSES GREASE DEPOSITS AND GENERATION OF HYDROGEN SULFIDE.

ACTIVE INGREDIENTS:

Sodium methyldithiocarbamate (anhydrous)	24.25%
Dichlobenil — 2,6-dichlorobenzonitrile	1.77%
INERT INGREDIENTS:	73 98%

Weight per gallon — 9.57 lbs. A C C E P T E D

A FORMULATION OF VAPAM® PLUS DICHLOBENIL

*Airrigation's Reg. T.M. **Stauffer Chemical Company's Reg. T.M. and U.S. Pat. Nos. 2,766,554; 2,791,605.

DANGER

UNDER THE FEDERAL INSECTICIDE FUNGICITE AND BODENTICIDE ACT FOR FOOMOMIC POLSON REGISTER-KEEP OUT OF REACH OF CHILDREN NO. 101/3 &

CAUSES SKIN BURNS (See left panel for additional precautions.)

> manufactured exclusively for

AIRRIGATION ENGINEERING COMPANY, INC. PATENTS APPLIED FOR © 1972

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PHONE: 408-659-2000

EPA Reg. No. 9993-3—50002 AA

5 GAL. NET

**REG. TM (STAUFFER)

VAPOROOTER® can be applied in any single section of line where conditions dictate, either downflow or upflow, on normal or hillside grades. To allow flow to drain from progressive manhole lengths, it is desirable to treat downstream until a root-infested collection line has been completely treated.

DIRECTIONS FOR USE OF SANAFOAM™ VAPOROOTER® WITH THE FOAMAKERTM

First determine foam volume in gallons, necessary to fill the section of sewer line to be treated with SANAFOAMTM. This volume is easily computed, using the following chart of sewer pipe capacity:

	Pipe Diameter	1-foot lengths
	4 inches	.7
SEWER PIPE	6 inches	1.5
CAPACITY	8 inches	2.5
	9 inches	3.3
	10 inches	4.
	12 inches	6.

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 foot.

EXAMPLE: Assuming the section of line to be filled with foam is 6" i.d. and 400 feet long, 600 gallons of foam will be required just to fill the line.

However, 400' of 6" line could normally have 10 household connections of 4" diameter. Extensive tests indicate that an average 10foot length of these 4" connections will be filled with VAPOROOTER* SANAFOAMTM.

Therefore, approximately 100 feet of 4" houselines will require 70 gallons of SANA-FOAMTM. We suggest that you use approximately 700 gallons of VAPOROOTER* SANA-FOAMTM to be sure of filling the average 400-foot, 6" sewer.

The FOAMAKER™ generates 20 gallons of VA-POROOTER SANAFOAM from each gallon of VAPOROOTER® solution. Therefore, 35 gal-Ions of VAPOROOTER solution will produce 700 gallons of VAPOROOTER* SANAFOAMTM. by the FOAMAKERTM.

To make VAPOROOTER® solution, to produce any desired quantity of VAPOROOTER* SANA-FOAMTM, use the following table:

To Water:					SANAFOAMTM POROOTER®	P	FOAM PRODUCED
5 Gal.					1 Quart		100 Gal.
10 Gal.					2 Quarts		200 Gal.
20 Gal.					1 Gal		400 Gal.
35 Gal.					1.75 Gal		700 Gal.
40 Gal.					2 Gal		800 Gal.
50 Gal.					21/2 Gal	•	1000 Gal.
60 Gal.					3 Gal		1200 Gal.
70 Gai.					3½ Gal	•	1400 Gal.
80 Gal.					4 Gal		1600 Gal.
100 Gal.	•	•	•	•	5 Gal	•	2000 Gal.

For best results use 5% SANAFOAM™ VAPOROOTER

* solution.

USE CAUTIONS

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

KEEP OFF DESIRABLE LAWNS AND PLANTS. Do not spill or discard solution waste within three feet 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 waterspray at moderate pressure, to prevent fumes from drifting toward critical areas.

THIS PRODUCT IS TOXIC TO FISH AND OTHER AQUATIC LIFE.

DO NOT USE IN STORM-DRAINS.

DO NOT USE IN CONFINED AREAS WITHOUT ADEQUATE VENTILATION.

SPECIAL NOTICE

SANAFOAMTM VAPOROOTER * should not be used to treat roots in storm sewers or other drains where waste water will not be treated or controlled. VAPOROOTER is effective for killing roots in storm sewers or drains.

NOTICE: Airrigation Engineering Company, Inc. makes no warranty, express or implied, including the warranties of merchantability and/or fitness for any particular purpose, concerning this material, except those which are contained on this label.

from AIRRIGATION only. FOAMAKERS™ are manufactured for AIRRIGATION to our specifications, by Waukesha Foundry Company, Inc., Waukesha, Wisconsin