



VAPAM - B

A FORMING FUMIGANT

**REMOVES SEWER LINES OF ROOTS
HELPS CONTROL SLIMES WHICH GENERATE HYDROGEN SULFIDE**

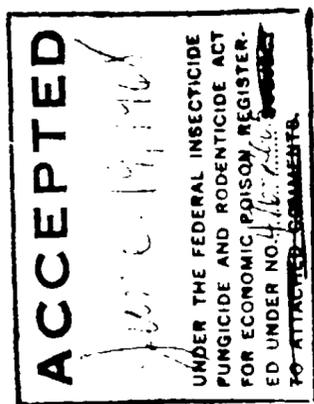
ACTIVE INGREDIENT:

Sodium methyl dithiocarbamate (anhydrous)	28.8%
INERT INGREDIENTS	71.2%
	<u>100.0%</u>

Weight Per Gallon - 9.6 Lbs.

U. S. Pat. Nos. 2,766,554; 2,791,605

A FORMULATION OF VAPAM



CAUTION

**KEEP OUT OF REACH
OF CHILDREN**

**HARMFUL IF INHALED OR SWALLOWED
IRRITATING TO EYES, NOSE, THROAT
AND SKIN**

Avoid breathing vapor or spray 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.

Wash and dry clothing and shoes before re-use.

When applying in enclosed areas, wear a mask or respirator of a type passed by the U. S. Department of Agriculture for Vapam protection.

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° F.

1 GAL. NET
Made in U.S.A. by
STAUFFER CHEMICAL COMPANY
NEW YORK

PRODUCT INFORMATION:

VAPAM-B IS A WATER-SOLUBLE FOAM-TYPE, SURFACE-ACTIVE FORMULATION OF VAPAM. WHEN PROPERLY APPLIED TO SEWER MAINS, VAPAM-B KILLS AND INHIBITS THE GROWTH OF PLANT ROOTS IN THE INTERIOR OF THE MAINS.

VAPAM-B LIQUID IS CONVERTED INTO A GASEOUS FUMIGANT AND IS MAINTAINED IN AN ACTIVE FOAM STATE ON PIPE AND ROOT SURFACES WHEN PROPERLY SPRAYED INTO THE SEWER AND MAINS.

VAPAM-B IS A NON-SYSTEMIC CHEMICAL FOR CONTROL OF ROOTS IN SEWER MAINS, DRAIN-LINES, AND OTHER CONDUITS. THIS MATERIAL ALSO HELPS CONTROL FUNGI AND BACTERIA THAT PRODUCE SLIMES AND FATTY ACIDS. THESE ORGANIC MATERIALS OFTEN GENERATE HYDROGEN SULFIDE IN THE SEWER MAIN. ONLY THE ROOTS AND ORGANIC DEPOSITS IN THE SEWER LINES ARE AFFECTED BY VAPAM-B. NO HARMFUL RESIDUE RESIDUE REMAINS. THE GASEOUS FUMIGANT IS DISSIPATED WITHIN A FEW HOURS.

DIRECTIONS FOR USE:

ADD 3 PARTS WATER TO 1 PART VAPAM-B AND SPRAY INTERIOR OF 6 IN. AND 8-INCH MAINS AT RATE OF 1 GAL. OF THIS SOLUTION TO EACH 100 FEET. SPRAY 10-INCH AND 12-INCH MAINS AT RATE OF 1 1/2 GALS. OF SOLUTION TO EACH 100 FEET.

THE SPRAY EQUIPMENT SHOULD BE OF THE HYDRAULIC TYPE TO PRODUCE LINE PRESSURE OF 100 TO 180 PSI. TWO HOLLOW-CONE, FOG-TYPE NOZZLES SHOULD BE MOUNTED ON A CARRIAGE THAT WILL MAINTAIN THE NOZZLE POSITION NEAR CENTER OF PIPE BEING SPRAYED. ONE HOLLOW-CONE SPRAY SHOULD BE DIRECTED FORWARD; THE OTHER, TO THE REAR, IN A MANNER TO CONTACT ALL PIPE SURFACES AT ANGLES OF 60° TO 80°. THE SPRAY MUST HAVE GOOD HYDRAULIC IMPACT AND STRIKE THE PIPE AND ROOTS FROM ALL SIDES. THIS TYPE OF APPLICATION GIVES THE MOST EFFECTIVE REMOVAL OF SLIMES AND FATTY ACIDS FROM THE PIPE AND ROOTS SURFACES AND PRODUCES THE MOST EFFECTIVE FOAM CHARACTERISTICS. THE EFFECTIVENESS OF THE FUMIGANT VAPAM IS ENHANCED BY GOOD FOAM FORMATION OF THE SMALL BUBBLE TYPE AND REMOVAL OF ORGANIC FILMS FROM THE SURFACES OF THE PIPE AND ROOTS.

USE PRECAUTIONS:

USE PROMPTLY AFTER MIXING WITH WATER. DO NOT ALLOW SOLUTION TO STAND. WASH AND FLUSH ALL EQUIPMENT WITH WATER AFTER EACH DAY'S USE. DISASSEMBLE VALVES AND NOZZLES AND CLEAN CAREFULLY.

KEEP OFF DESIRABLE LAWNS AND PLANTS.- DO NOT SPILL OR DISCARD SOLUTION WASTE WITHIN THREE FEET OF THE DRIP LINES OF PLANTS, SHRUBS, OR TREES. IF EXCESSIVE SPILLAGE OCCURS ON THE STREET OR OTHER PAVED AREAS IN THE VICINITY OF GREENHOUSES, WHERE GROWING PLANTS ARE PRESENT OR WHERE FUMES MAY ENTER OTHER BUILDINGS CONTAINING GROWING PLANTS, IMMEDIATELY FLUSH THE SPILL THOROUGHLY WITH WATER-SPRAY AT MODERATE PRESSURE, TO PREVENT FUMES FROM DRIFTING TOWARD CRITICAL AREAS.

DO NOT USE IN CONFINED AREAS WITHOUT ADEQUATE VENTILATION.

SPECIAL USAGE:

WHEN DESIRABLE TO TREAT EXTERIOR OF PIPE JOINTS TO KILL ROOTS IN VICINITY, USE SMALL-SIZED SOIL AUGER OR PROBE, WITH SHANK INJECTOR AND APPLY VAPAM-B SOLUTION AT RATE OF ONE QUART VAPAM-B TO THREE QUARTS WATER. INJECT ONE OR MORE GALLONS OF SOLUTION IN SUCH A MANNER AS TO TREAT THE UPPER 2/3 OF THE PIPE-JOINT CIRCUMFERENCE.

NOTICE: Stauffer Chemical Company 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 Stauffer's label.

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