

2522

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45639-90

**ACCEPTED**  
JAN 13 1987  
Under the Federal Insecticide,  
Fungicide, and Rodenticide Act,  
as amended, for the pesticide  
registered under:  
EPA Reg. No. 45639-90



# Vorlex

FUMIGANT FOR PROTECTION OF UTILITY POLES AGAINST DECAY

Only to be used by qualified people employed by utility companies or companies contracting for maintenance of utility poles.

<b>ACTIVE INGREDIENTS:</b>	
1,3-dichloropropene and other related chlorinated C <sub>3</sub> hydrocarbons	40.0%
Methyl isothiocyanate	20.0%
<b>INERT INGREDIENTS</b>	40.0%
<b>TOTAL</b>	<b>100.00%</b>

**KEEP OUT OF REACH OF CHILDREN**

**POISON DANGER** RED

**PRECAUTIONARY STATEMENTS**

**HAZARDS TO HUMANS & DOMESTIC ANIMALS**  
HAZARDOUS VAPOR AND LIQUID. MAY BE FATAL IF INHALED, SWALLOWED, OR ABSORBED THROUGH SKIN. CAUSES BURNS OF SKIN AND EYES. MAY PRODUCE KIDNEY AND LIVER DAMAGE UPON PROLONGED EXPOSURE.

Do Not Breathe Vapor. Do Not Get In Eyes, On Skin, Or On Clothing. Do Not Take Internally. Use Only With Adequate Ventilation. Wear Eye And Skin Protection Necessary To Prevent Contact When Handling. Wash Thoroughly After Handling And Before Eating Or Smoking.

If protective gear, such as boots or gloves, becomes contaminated, immediately wash with soap and water. Never wear protective gear having the odor of Vorlex. Aerate and wash all protective gear thoroughly after use until all odor is gone. Render unusable and dispose of contaminated leather goods, including shoes.

**STATEMENT OF PRACTICAL TREATMENT**

IF INHALED, remove to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. Call a physician.

IF ON SKIN, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Call a physician. If water is not immediately available, remove excess chemical from skin with sorbent material such as towel or dry soil, then proceed at once to location where water is available and thoroughly wash contaminated skin with plenty of water. Call a physician.

IF IN EYES, immediately flush eyes with plenty of water or a 5% solution of sodium bicarbonate for at least 15 minutes; call a physician. Continue treatment with ophthalmic hydrocortisone ointment.

**If swallowed, immediately call a physician or poison control center. DO NOT INDUCE VOMITING. NOTE TO PHYSICIAN: Empty stomach contents by gastric lavage.**

NET CONTENTS: 55 GALLONS

 <p><b>NOR-AM</b> NOR-AM CHEMICAL COMPANY 3509 Silverside Road, P.O. Box 7495 Wilmington, DE 19803</p>	<p><b>NET CONTENTS:</b></p> <p>PROTECTED BY U.S. PAT. Nos 3,205,129; 3,113,908; 3,240,808</p>
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## GENERAL INFORMATION

Vorlex is used as a fumigant for treatment of utility poles against decay causing fungi such as *Poria* spp. and insects such as carpenter ants, termites and Buprestid beetles. Vorlex is placed in holes drilled in the poles and the holes are plugged. Vorlex moves as a gas throughout the wood above and below the holes eliminating decay fungi and insects.

### PHYSICAL OR CHEMICAL HAZARDS

#### FLAMMABLE

DO NOT USE, POUR, SPILL, OR STORE NEAR HEAT OR OPEN FLAME. DO NOT CUT OR WELD CONTAINER.

Fire or explosion may result even if container is empty.

#### ENVIRONMENTAL HAZARDS

This product is toxic to fish and wildlife. Do not spill or empty into streams, ponds or any other body of water. Do not contaminate water by cleaning of equipment or disposal of wastes.

### HANDLING PRECAUTIONS

**DO NOT INHALE VAPORS.**—NIOSH- or MESA-approved respiratory protection should be worn when VORLEX liquid soil fumigant is exposed to the atmosphere or when conducting operations which vent to the atmosphere. A NIOSH- or MESA- approved half-faced respirator with chemical worker's goggles or full-face respirators shall be used during small spills, repairs, calibrations, transfers, sampling and when working in poorly ventilated areas. When in use canisters or cartridges shall be replaced daily or sooner if specified by manufacturer or at first sign of odor breakthrough, whichever comes first. NIOSH-approved cartridges, such as a WILLSON R21 will be adequate for short-term situations such as listed above.

Where very high concentrations of vapors might be expected (such as large spills in poorly ventilated areas) a self-contained or air-supplied respirator should be used.

**DO NOT GET ON SKIN.**—When handling or working with VORLEX, wear clean body covering including gloves and heavy footwear. Immediately remove contaminated coverings. Aerate and wash all protective clothing and gear thoroughly after use.

There are no protective clothing materials that are completely impervious. Thin layers of polyethylene (minimum 1 mil.), give short-term protection and shall be immediately discarded upon contamination. Heavy (3 - mil) polyethylene, provides longer term protection. Leather gives no protection. If gear becomes contaminated, immediately wash with soap and water. Never wear protective gear having odor of VORLEX. Wash and aerate all protective gear thoroughly after use until all odor is gone.

**DO NOT GET IN EYES.**—Wear eye protection such as chemical worker's goggles or full-face respirator when handling VORLEX.

**DO NOT SWALLOW.**—Do not use the mouth to siphon VORLEX from containers or to blow out clogged lines, nozzles, etc.

### STORAGE, SHIPMENT AND DISPOSAL

**STORAGE.**—Store in tightly-closed original container in a cool place away from dwellings. Do not allow contamination of seeds, plants, fertilizers, or other pesticide chemicals. Do not contaminate food, feedstuffs, drugs, or domestic water supplies. In outside storage, store drums (make sure that bungs are tightly closed) on sides to avoid accumulation of rain water in top or bottom of recessed areas.

**SHIPMENT.**—Do not ship or store with food, feeds, drugs, or clothing.

**DISPOSAL.**—Rinse equipment and containers and dispose of wastes, including spills or residues, in a landfill approved for pesticides or by burying in non-crop lands away from domestic water supplies. Punch holes in containers before disposal. Dispose of empty containers in approved landfill or bury in safe place. Consult Federal, State or local disposal authorities for approved alternative procedures.

### DO NOT REUSE ORIGINAL CONTAINERS

### IMPORTANT: READ BEFORE PURCHASE OR USE

Purchase or use of this product shall constitute acceptance of the following terms of sale. NOR-AM Agricultural Products, Inc. (NOR-AM) warrants that this product conforms to the chemical descriptions on this label and is reasonably fit for the purposes specified hereon. By way of limitation but not in derogation of the directions and statements printed on this label Seller makes no warranty and no representation and NOR-AM makes no further warranty or representation, expressed or implied, including but not limited to any warranty as to MERCHANTABILITY, and no agent of NOR-AM is authorized to do so except in writing, with a specified reference to the foregoing warranty. Since neither Seller nor NOR-AM has any control over the handling, storage, use or conditions of use of this product, Buyer or user assumes all risks and liability arising from handling, storage or use of this product under abnormal conditions or not in strict compliance with the directions and precautionary statements hereon. All claims related to the purchase, handling, storage or use of this product shall be barred unless written notice is given to NOR-AM within 30 days after the loss is discovered. Liability of the Seller or NOR-AM for any damages arising from a breach of this warranty shall be limited to exclude consequential commercial damages.

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DIRECTIONS FOR USE

USE PRECAUTIONS:

Vorlex may be corrosive under certain conditions. Do not use containers or equipment of aluminum, magnesium or their alloys.

Drilling Holes

Drill a reasonable number of holes to obtain good distribution of the fumigant. Stagger the holes to avoid weakening the pole. The table below shows recommended numbers and sizes of holes:

<u>Pole Circumference</u>	<u>Diameter Hole, inches</u>	<u>Length of Hole, inches*</u>	<u>No. of Holes</u>
Less than 32"	5/8	15	6
"	5/8	18	5
"	3/4	15	4
32" - 45"	3/4	15	6
"	3/4	18	5
"	3/4	21	4
"	3/4	24	3
"	7/8	21	3
More than 45"	3/4	24	6
"	7/8	21	5
"	7/8	24	4

\*Effective length of holes is 3 inches less to allow for a 3-inch long treated plug.

Starting at the groundline, drill a hole towards the center of the pole at a steep downward angle. Do not drill through the pole. Space the remaining holes equally around the pole in an upward spiral pattern with a vertical distance of 6 to 12 inches between holes. If more than two treating holes intersect an internal void or rot pocket, re-drill the holes further up the pole. Where a rot pocket is above the groundline, drill holes in solid wood both below and above the pocket.

Application

Apply Vorlex to the drilled holes. A 1 pint or 2 pint polyethylene squeeze bottle supplied with an interchangeable cap connected to a 1-2 foot length of polyethylene tubing permits good control of the amount of Vorlex applied. Distribute the quantities of Vorlex shown in the table below equally among the holes.

<u>Circumference of Pole</u>	<u>Total Quantity of Vorlex, pints</u>
Less than 32"	3/4
32 - 45"	1
More than 45"	2

Place the prescribed amount of Vorlex in the holes starting at the ground level. Fill each hole to within 3" of the top to allow for insertion of a 3" plug. Plug each hole immediately after application by inserting a 3-inch long tight-fitting plug. Low permeability softwood or hardwood plugs should be pressure treated with a suitable preservative. Drive the plug in carefully to avoid fumigant squirting. Fill and plug all holes working up the pole.

Re-Treating

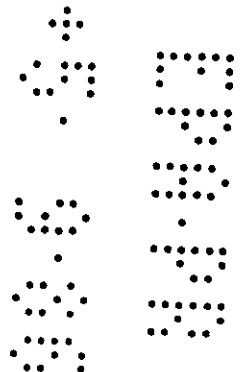
Re-apply Vorlex every 10 years to prevent decay fungi reinfestation.

E.P.A. EST. No. 08800

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Printed in the U.S.A.

ML/bjs  
2-8-82



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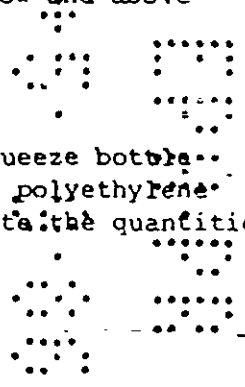
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