

PR 21 1040 52251-1

ACCEPTED

SEP 23 1988

U.S. Federal Insecticide,  
Fungicide, and Rodenticide Act,  
as amended, for the pesticide  
registered under  
EPA Reg. No. 52251-1

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

## DANGER

Corrosive, causes eye and skin damage. Do not get in eyes, on skin, or on clothing. May be fatal if swallowed or absorbed through skin. Do not breathe vapor or spray mist. Use waterproof gloves, face shield or goggles, and protective clothing when handling. Wash hands, arms and face thoroughly with soap and water after handling and before eating or smoking. Wash clothing and shoes before reuse. Do not apply to food or forage. Do not apply this product in such a manner as to directly or through drift expose workers or other persons. The area being treated must be vacated by unprotected persons. When applying in enclosed areas, wear a mask or respirator of a type passed by the U.S. Bureau of Mines for Methyl Sulfonate protection.

## ENVIRONMENTAL HAZARDS

This product is toxic to fish and other wildlife. Do not apply directly to lakes, streams, ponds or wetlands. Do not apply when weather conditions favor drift from areas treated. Do not contaminate water when disposing of equipment wash water. Apply this product only as specified on this label.

## USE PRECAUTIONS

Keep children and pets out of treated area. Do not apply to desirable lawns and plants. Do not apply within 3 feet of the drip line of desirable plants, shrubs or trees. Do not use in confined areas without adequate ventilation OR where fumes may enter nearby houses containing growing plants. Do not use in greenhouses where desirable plants are present. Keep container tightly closed when not in use. Do not store near feed or food.

## RE-ENTRY STATEMENT

Do not enter treated areas without protective clothing until sprays have dried.

Because certain states may require more restrictive re-entry intervals for various crops treated with this product, consult your State Department of Agriculture for further information. Written or oral warnings must be given to workers who are expected to be in a treated area or in an area about to be treated with this product. Oral warnings must include the following information: "DANGER. This area has been treated with SECTAGON II. Do not enter without appropriate protective clothing. If accidentally exposed, remove contaminated clothing and wash the affected areas." When oral warnings are given, warnings shall be given in a language customarily understood by workers. Oral warning must be given if there is a reason to believe that written warnings cannot be understood by workers. Written warning must include the following information: "DANGER. Area treated with SECTAGON II on (date of application). Do not enter without appropriate protective clothing until sprays have dried. If accidentally exposed, remove contaminated clothing and wash the affected areas."

## OR-CAL

## SECTAGON II

### SOIL FUMIGANT SOLUTION FOR ALL CROPS

ACTIVE INGREDIENTS: Sodium methylthiocarbamate (anhydrous) ..	32.7%
INERT INGREDIENTS .....	67.3%
TOTAL .....	100.0%

Contains 3.18 lbs. active ingredient per gallon

## KEEP OUT OF REACH OF CHILDREN

## DANGER PELIGRO

PRECAUTIONAL USAGE: Do not use in areas where children, pets or livestock are present. Do not use in areas where children, pets or livestock are present.

## STATEMENT OF PRACTICAL TREATMENT

FIRST AID: Immediately start the procedures given below and contact a Poison Center, a physician, or the nearest hospital. Report the type and extent of exposure, describe the victim's symptoms, and follow the advice given.

If on skin: Immediately flush skin with large amounts of running water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention immediately.

If in eyes: Immediately flush eyes with large amounts of running water for at least 15 minutes. Hold eyelids apart to ensure rinsing of the entire surface of the eye and lids with water. Get medical attention immediately.

If inhaled: Remove to fresh air. If not breathing, clear the victim's airway and start mouth-to-mouth artificial respiration. If breathing is difficult, give oxygen, preferably with a physician's advice. Get medical attention immediately.

If swallowed: Immediately give several glasses of water but do not induce vomiting. If vomiting does occur, give fluids again. Have a physician determine if condition of patient will permit induction of vomiting or evacuation of stomach. Do not give anything by mouth to an unconscious person.

## SEE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

OR-CAL  
Oregon-California Chemical, Inc.  
28454 Mendocino Road  
Juntura City, OR 97648

EPA Est. No. 98077-AR-001  
EPA Reg. No. 52251-1

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16 GALLON

## STORAGE AND DISPOSAL

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

STORAGE: Store in a cool, dry place. Keep container closed when not in use.

PESTICIDE DISPOSAL: Pesticide wastes are toxic. Improper disposal of empty pesticide, spray mixture, or residue is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

## DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Use only according to attached label booklet and/or side panel instructions. Refer to supplemental labeling entitled Booklet for use directions for chemigation. Do not apply this product through any irrigation system unless the supplemental labeling on chemigation is followed.

## READ ALL LABEL DIRECTIONS BEFORE USING

DO NOT STORE BELOW 0 F. Product crystallizes at lower temperatures. Warm or store at higher temperatures and mix it redissolve crystals and assure uniformity before use.

## CONDITIONS OF SALE - LIMITED WARRANTY AND LIMITATIONS OF LIABILITY AND REMEDIES

The directions on this label are believed to be reliable and should be followed carefully. Insufficient control of pests and/or injury to the crop to which the product is applied may result from the occurrence of extraordinary or unusual weather conditions, the failure to follow the label directions, or good application practices, all of which are beyond the control of OR-CAL or seller. In addition, failure to follow label directions may cause injury to crops, animals, man or the environment. OR-CAL warrants that this product conforms to the chemical description on the label and is reasonably fit for the purpose referred to in the directions for use subject to the factors noted above which are beyond the control of OR-CAL. OR-CAL makes no other warranties or representations of any kind, express or implied, concerning the product, including no implied warranty of merchantability or fitness for any particular purpose. The exclusive remedy against OR-CAL for any cause of action relating to the handling or use of this product is a claim of damage and in no event shall damages or any other recovery of any kind against OR-CAL exceed the price of the product which caused the alleged loss, damage, injury, or other claim. OR-CAL shall not be liable and any and all claims against OR-CAL are waived, for special, indirect, incidental, or consequential damages or expenses, of any nature, including, but not limited to, loss of profits or income, whether or not based on OR-CAL negligence, breach of warranty, strict liability in tort or any other cause of action. OR-CAL and the seller offer this product and the buyer and user accept it, subject to the foregoing conditions of sale and limitation of warranty, liability and remedies.

**BEST AVAILABLE COPY**

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

**CAUTION**

Causes eye damage and skin irritation. Do not get in eyes, on skin, or on clothing. May be fatal if swallowed or absorbed through skin. Do not breathe vapor or spray mist. Use waterproof gloves, face shield or goggles, and protective clothing when handling. See also the specific uses for additional directions for protective clothing. Wash hands, arms and face thoroughly with soap after handling and before eating or smoking. Do not use on humans or household pets. Keep children and animals away from treated areas until spray has dried. Do not apply to food or forage. Do not apply this product in such a manner as to directly or through drift expose workers or other persons. The area being treated must be vacated by unprotected persons. When applying in enclosed areas, wear a mask or respirator of a type passed by the U.S. Bureau of Mines for VAPAM protection.

**ENVIRONMENTAL HAZARDS**

This product is toxic to fish and other wildlife. Do not apply directly to lakes, streams, ponds or wetlands. Do not apply when weather conditions favor drift from areas treated. Do not contaminate water by cleaning of equipment or disposal of wastes. Apply this product only as specified on this label.

**USE PRECAUTIONS**

Keep children and pets out of treated area. Keep off desirable lawns and plants. Do not apply within 3 feet of the drip line of desirable plants, shrubs or trees. Do not use in confined areas without adequate ventilation OR where fumes may enter nearby houses containing growing plants. Do not use in greenhouses where desirable plants are present. Keep container tightly closed when not in use. Do not store near food, feed or fuel.

**RE-ENTRY STATEMENT**

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**OR-CAL  
HI Brand  
VAPAM**

**SOIL FUMIGANT SOLUTION FOR ALL CROPS**

ACTIVE INGREDIENTS: Sodium methylthiocarbamate (anhydrous) ..... 32.7%  
INERT INGREDIENTS ..... 67.3%  
Contains 3.18 lbs. active ingredient per gallon 100.0%

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION AVISO**

PRECAUCION AL USUARIO: Si usted no lee ingles, no use este producto hasta que la etiqueta haya sido explicada ampliamente.

**STATEMENT OF PRACTICAL TREATMENT**

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If swallowed: Immediately give several glasses of water but do not induce vomiting. If vomiting does occur, give fluids again. Have a physician determine if condition of patient will permit induction of vomiting or evacuation of stomach. Do not give anything by mouth to an unconscious or convulsing person.

**SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS**

Mfg. By: Oregon-California  
Chemicals, Inc.  
Junction City, Oregon  
NET CONTENTS -

Establishment No. 52251-OR-001  
EPA Registration No. 52251-1

**STORAGE AND DISPOSAL**

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

**STORAGE:** Store in a cool, dry place. Keep container closed when not in use.

**PESTICIDE DISPOSAL:** Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

**CONTAINER DISPOSAL:** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

**DIRECTIONS FOR USE**

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**READ ALL LABEL DIRECTIONS BEFORE USING**

**DO NOT STORE BELOW 0°F.** Product crystallizes at lower temperatures. Warm or store at higher temperatures and mix to redissolve crystals and assure uniformity before use.

**IMPORTANT NOTICE  
TO PURCHASER AND USER  
OF THIS PRODUCT**

This product is manufactured, labeled, and sold in accordance with state and federal laws. Adequate directions for use, necessary warnings and cautions, and other essential information on the safe handling and use of this product are set forth on this label. However, the use and handling of this product is always attended with risk of personal injury or property damage if the user or handler departs to any degree from the instructions on this label. The manufacturer makes no warranties, either express or implied, and assumes no responsibility whatsoever for the effectiveness or safety of this product except to the extent that the product is used and handled in strict accordance with information and directions set forth on this label. The foregoing limitation of responsibility may not be altered in any way except by a written agreement signed by officers of the manufacturer. Unless the purchaser agrees to be bound by the terms and limitations expressed hereon on this label, the manufacturer refuses to consummate the sale of this product to him and the product must be returned to the manufacturer.

**ACCEPTED**

**FEB - 1 1988**

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act,  
as amended, for the pesticide  
registered under  
EPA Reg. No. 52251-1



OR-CAL Chemicals, Inc.  
30301 Riverview Dr.  
Junction City, OR 97448

EPA Registration No. 52251-1  
EPA Establishment No. 52251-OR-001

#### TREATMENT OF TREE REPLANT SITES:

After removing dead or diseased tree and as much of the root system as possible, make a shallow basin over the planting site. Add Vapam to the stream of water while filling the basin. Use 1 qt. Vapam per 100 sq. ft. in sufficient water (depending on soil type) to penetrate at least 6 ft. For control of oak root fungus, use a basin at least 20 x 20 sq. ft. Increase dosage to 2 qt. Vapam per 100 sq. ft. in sufficient water to penetrate to the depth of root system. If water is tanked to the planting site, add Vapam to the water and mix before filling basin.

#### TREATMENT OF POTTING SOIL:

##### A. SPRINKLE METHOD:

1. Spread soil in a smooth layer 4 inches high on concrete or on pre-treated soil.
2. Sprinkle Vapam at rate of 1 pint in 5 gallons of water per 100 sq. ft. of surface area.
3. Layers can be treated one on top of another.
4. Sprinkle top layer with sufficient additional water to seal the surface, or cover with tarp (plastic, kraft paper, etc.).

##### B. SHREDDER:

1. Dilute Vapam in sufficient water to obtain even distribution. As soil is ejected from shredder, spray uniformly on soil stream at rate of 1 fl. oz. Vapam per 2 cu. ft. of soil.
2. After all soil is treated and piled, apply light water seal to entire surface or cover with tarp.

inject into the sprinkler system all Vapam needed for the area covered. On very light soils keep surface moist by sprinkling for 2 or 3 days. For control of pests deeper than 18 in. in the soil, divide Vapam into 3 or 4 near equal parts and apply at intervals during the sprinkling period.

**CHECK OR FLOOD IRRIGATION:** Meter Vapam at a steady rate into water during irrigation. Use 50 to 100 gal Vapam per acre, depending upon the kind of pest and depth desired, in 3 to 18 inches of water per acre.

**SOIL COVERING METHODS:** (Bed-over methods). Vapam may be sprayed or dripped onto the soil immediately ahead of bed-shaping equipment. Cover the Vapam with soil to a depth of 3 to 6 inches. The soil should be rolled and compacted immediately. The recommended rate of Vapam is 50 to 100 gal. per acre, approximately equivalent to 1 to 2 pints per 100 ft. of 12-inch row.

**TOBACCO PLANT BEDS:** Fall applications are recommended wherever possible. Read and follow DIRECTIONS FOR USE carefully. Treatment in the South should generally be made before November 30.

**A. TARP METHOD:** Prepare the bed 5 to 7 days before application to insure best conditions for weed seed germination and fumigant action of Vapam. The bed should be free of clods, level and in good tilth. Apply 1 to 1½ gal. of Vapam in a minimum of 40 gal. of water per 100 sq. yds. Apply uniformly over the entire bed. Cover the bed immediately with a plastic cover. Keep covered no less than one day, but no more than two days. The cover need not be tented, but should be secured to prevent wind from uncovering the treated area. Seven days after date of Vapam application, loosen the treated soil to a depth of 2 in. Do not seed tobacco earlier than 21 days after Vapam application.

**B. DRENCH METHOD:** Apply 2½ gal. Vapam in 150 to 200 gal. of water per 100 sq. yd. Application may be made with sprinklers, sprayers with nozzles or any suitable equipment. Follow directions given above for seed bed treatment.

**SYMPHYLID CONTROL:** Soil should be in good seed bed condition to a depth of 8 to 10 inches. Maintain adequate moisture during spring season. Treat during July-August when symphyliids are in the upper soil surface. Apply 30 gal. Vapam per acre using blade or chisel injector. Inject below level of symphyliid concentration, usually 6 to 8 inches. Pack soil immediately after application.

#### EARLY MATURITY DISEASES OF POTATOES

: Apply 40 gals. Vapam per acre using thin shank injector rig.

**PEPPERMINT — Verticillium wilt control.** When infestation is limited to small spots in a field, spread can be reduced by treating the soil with 100 gals. Vapam per acre using injector blade or thin shank injector rig.

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