

5481-508

12-22-2011

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460



OFFICE OF  
CHEMICAL SAFETY AND  
POLLUTION PREVENTION

December 22, 2011

Ms. Joy Paff  
Amvac Chemical Corporation  
4695 MacArthur Court, Suite 1250  
Newport Beach, CA 92660

Dear Ms. Paff:

Subject: Notification per Pesticide Registration Notice 2007-4

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 2007-4, dated November 28, 2011, for "Hinder™ Deer & Rabbit Repellent," EPA Registration Number 5481-508.

The Registration Division (RD) has conducted a review of this request for applicability under PRN 2007-4, and finds that, the label changes requested do fall within the scope of PRN 2007-4. The label has been date-stamped "Notification" and will be placed in our records.

Please be reminded that 40 CFR Part 156.140(a)(4) requires that a batch code, lot number, or other code identifying the batch of the pesticide distributed and sold be placed on non-refillable containers. The code may appear either on the label or durably marked on the container itself, and can be added by non-notification per PRN 98-10.

If you have any questions, please contact me directly at 703-308-8735 or email me at [chao.julie@epa.gov](mailto:chao.julie@epa.gov).

Sincerely,

A handwritten signature in cursive script, reading "Julie A. Chao".

Julie A. Chao  
Insecticide-Rodenticide Branch  
Registration Division (7505P)  
Office of Pesticide Programs



United States  
Environmental Protection Agency  
Washington, DC 20460

☐ Registration  
☐ Amendment  
☒ Other

OPP Identifier Number

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### Application for Pesticide - Section I

1. Company/Product Number 5481-508	2. EPA Product Manager	3. Proposed Classification <input type="checkbox"/> None <input checked="" type="checkbox"/> Restricted
4. Company/Product (Name) Hinder Deer & Rabbit Repellent	PM#	
5. Name and Address of Applicant (Include Zip Code) Amvac Chemical Corporation 4695 MacArthur Court, Suite 1250 Newport Beach, CA 92660 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA, Section 3(c)(3)(b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

### Section - II

<input type="checkbox"/> Amendment - Explain below	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application
<input checked="" type="checkbox"/> Notification - Explain below	<input type="checkbox"/> Other - Explain below

Explanation: Use additional page(s) if necessary. (For Section I and Section II.) Notification of minor Label revisions.

Notification of label change per PR Notice 2007-4. This notification is consistent with the guidance in PR Notice 2007-4 and the requirements of EPA's regulations at 40 CFR §§ 156.10, 156.140, 156.144, 156.146, and 156.156. No other changes have been made to the labeling or the Confidential Statement of Formula for this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if the amended label is not consistent with the requirements of 40 CFR §§ 156.10, 156.140, 156.144, 156.146, and 156.156, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA. The Limited Warranty Statements has also been updated.

### Section - III

1. Material This Product Will Be Packaged In:			
Child-Resistant Packaging <input type="checkbox"/> Yes* <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If "Yes" Unit Packaging wt. No. per container	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If "Yes" Package wt. No. per container	2. Type of Container <input type="checkbox"/> Metal <input checked="" type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____
* <b>Certification must be submitted</b>			
3. Location of Net Contents Information <input type="checkbox"/> Label <input checked="" type="checkbox"/> Container	4. Size(s) Retail Container 1 Gallon	5. Location of Label Directions <input checked="" type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product	
6. Manner in Which Label is Affixed to Product <input checked="" type="checkbox"/> Lithographed <input type="checkbox"/> Paper glued		<input type="checkbox"/> Stenciled <input type="checkbox"/> Other _____	

### Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Joy Paff	Title Regulatory Specialist	Telephone No. (Include Area Code) (949) 221-6123
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		8. Date Application Received (Stamped)
2. Signature 	3. Title Regulatory Specialist	
4. Typed Name Joy Paff	5. Date November 28, 2011	

NOTIFICATION

DEC 22 2011



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November 28, 2011

Ms. Sherada Hobgood  
Document Processing Desk  
Office of Pesticide Programs (Notif)  
U.S. Environmental Protection Agency  
One Potomac Yard  
2777 S. Crystal Drive  
Arlington, VA 22202

**NOTIFICATION**

**DEC 22 2011**

**Subject: Notification of Minor Label Revisions and Storage and Disposal Statements per PR Notice 2007-4**  
Hinder Deer & Rabbit Repellent (EPA Reg. No. 5481-508)

Dear Sherada:

Please find enclosed the notification to revise labeling for the above listed product. We have revised the label to remove the web address and to update the Storage and Disposal Statement.

In support of this request, enclosed please find the following:

1. Application for Pesticide Registration (EPA Form 8570-1).
2. ~~Three~~ <sup>one</sup> copies of the label (Ref. No. 508-20111128r2).
3. One copy label with changes highlighted.

It is my understanding that this satisfies the requirements of the Agency's PR Notice. If you have any questions or require additional information, please do not hesitate to contact me at 949-221-6123 or email [joypp@amvac-chemical.com](mailto:joypp@amvac-chemical.com). Thank you for your attention to this matter.

Best regards,

Joy Paff  
Regulatory Specialist



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# HINDER<sup>TM</sup>

## Deer & Rabbit Repellent

Protects plants by forming a mild odor barrier that is inoffensive to humans. For use on Apples, Pears, Soybeans, Peanuts, Carrots, Nursery Stock, Ornamental Trees, Shrubs, and Flowers.

### ACTIVE INGREDIENTS:

Ammonium Soaps of Higher Fatty Acids.....13.8%

### INERT INGREDIENTS:

.....86.2%

**TOTAL:** .....100.0%

## KEEP OUT OF REACH OF CHILDREN DANGER/PELIGRO

PUEDE CAUSAR DAÑO PERMANENTE A LOS OJOS.

Si usted no lee ingles, no use este producto hasta que alguien se le explique ampliamente la etiqueta.

FIRST AID	
<b>If in eyes:</b>	<ul style="list-style-type: none"> <li>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.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If inhaled:</b>	<ul style="list-style-type: none"> <li>Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.</li> <li>Call a poison control center or doctor for further treatment advice.</li> </ul>
<b>If on skin or clothing:</b>	<ul style="list-style-type: none"> <li>Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 – 20 minutes.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If swallowed:</b>	<ul style="list-style-type: none"> <li>Call a poison control center or doctor immediately for treatment advice.</li> <li>Have person sip a glass of water if able to swallow.</li> <li>Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>Do not give anything by mouth to an unconscious person.</li> </ul>
NOTE TO PHYSICIAN	
Probable mucosal damage may contraindicate the use of gastric lavage.	
EMERGENCY INFORMATION	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. FOR THE FOLLOWING EMERGENCIES, PHONE 24 HOURS A DAY:	
Transportation: CHEMTREC.....	1-800-424-9300
Other: AMVAC.....	1-323-264-3910


SEE SIDE/BACK PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS AND DIRECTIONS FOR USE.

EPA Reg. No. 5481-508  
EPA Est. No. 62171-MS-003

Net Contents:  
As Marked on Container

Lot #  
Made in USA

**NOTIFICATION**  
**DEC 22 2011**

  
 4100 E. Washington Blvd.  
 Los Angeles, CA 90023 U.S.A  
 1-323-264-3910 • [www.amvac-chemical.com](http://www.amvac-chemical.com)

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**READ THE ENTIRE LABEL BEFORE USING THIS PRODUCT. USE ONLY ACCORDING TO THE DIRECTIONS ON THE LABEL AND OBSERVE ALL PRECAUTIONS.**

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## **PRECAUTIONARY STATEMENTS**

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### **HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**DANGER:** Causes irreversible eye damage. Harmful if inhaled. Do not get in eyes or on clothing. Avoid breathing vapor or spray mist. Wear safety glasses when handling. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

### **PERSONAL PROTECTIVE EQUIPMENT (PPE)**

Applicators and other handlers must wear a long-sleeved shirt and long pants, waterproof gloves, shoes and socks, protective eyewear, and a NOISH approved respirator with any N, R, P or HE filter. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

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### **USER SAFETY RECOMMENDATIONS**

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

### **ENVIRONMENTAL HAZARDS**

This product may be hazardous to aquatic invertebrates. Do not apply directly to water, areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters.

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## **DIRECTIONS FOR USE**

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It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other person, either directly or through drift. Only protected handlers may be in the area during application. For any requirement specific to your State or Tribe, consult the agency responsible for pesticide regulation.

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### **AGRICULTURAL USE REQUIREMENTS**

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

- Long sleeve shirt and long pants
- Chemical-resistant gloves
- Chemical-resistant footwear plus socks
- Protective eyewear

### **GENERAL DIRECTIONS**

This product may be used to limit browsing by white tail deer (odocoileus virginianus) and black tail or mule deer (o. hemionus), on apple and pear trees, soybeans, peanuts, carrots, nursery stock, ornamental trees and shrubs, annual and perennial flowers.



This product may also be used to discourage feeding by cottontail rabbits (*sylvilagus floridanus*) and black-tail jack rabbits (*lepus californicus*) on home gardens and on the trunks of nursery stock and ornamental trees.

When considering use of this product during cold weather, note that a temperature of at least 40 F for a four hour period is needed to allow proper drying time.

Do not apply this product in undiluted form. Do not apply this product with sprayers previously used for herbicides. Do not spray this product on wilted plants. Do not allow spray to drift from the application site and contact people, structures people occupy at any time and the associated property, parks and recreation areas, nontarget crops, aquatic and wetland areas, woodlands, pastures, rangelands or animals. Apply only when wind speed is not more than 10 mph. For sprays, apply the largest size droplets possible.

Check relevant sections of application directions for information on phytotoxicity and other specific limitations on treatments.

DO NOT apply this product through any type of irrigation system.

**CHEMICAL COMPATIBILITY:** Hinder is not chemically compatible with most strongly ionized metallic salts such as zinc sulfate, manganese sulfate and iron sulfates. Do not use with strongly acidic spray materials. Hinder is compatible with most commonly used organic phosphate, carbamate and chlorinated hydrocarbon insecticides and miticides and with neutral micro-nutrient material.

#### APPLICATION DIRECTIONS

SHAKE CONTAINER WELL BEFORE MIXING OR APPLYING ITS CONTENTS. Hinder may be applied by conventional spraying equipment ranging from small hand-held sprayers to commercial sprayers. This product may be applied by aircraft only on soybeans, peanuts and carrots.

Under reasonably dry conditions, Hinder should be reapplied every 10 - 14 days for as long as plant protection is needed and the treatments appear to be effective.

Rains may wash Hinder off treated vegetation. Treatment should be repeated after heavy rains. DO NOT apply Hinder when rain is expected within the next 24 hours.

For best results, apply Hinder before the animals start feeding on the plants to be protected. Hinder makes treated plant tissues less palatable to deer and rabbits and can influence them to leave the treated plants alone in favor of other forage. Under conditions of severe hunger, treated plants may be damaged substantially. In some cases, protection of plants from deer damage may be enhanced by providing a secondary food source such as baled hay just outside the treated area at the time of treatment. In other cases, permanent fencing or temporary enclosures may be needed.

Consult specific directions (below) for the target species and type of treatment involved in your control situation.

#### DEER

**Apple and Pear Trees:** To make spray mixture, mix 3 - 5 gallons of Hinder per 100 gallons of water. Using ground rig equipment, treat outer vegetation on all lower branches up to 6 - 8 feet above the ground surface. Apply spray until all vegetation to be protected has been made wet.

DO NOT apply during bloom period as treatments may result in phytotoxicity. Applications made between petal fall and harvest on fruit bearing apple and pear trees may cause cosmetic damage to the fruit. When treating fruit bearing trees, use equipment that provides uniform coverage and no droplet formation on the fruit. Rings may form on fruit in areas of dried droplets.

**Nursery Stock and Ornamental Trees and Shrubs:** For treating large plantations, mix 2 - 4 gallons of Hinder per 100 gallons of water. For smaller treatment programs, such as ornamental plants in a yard or garden, mix 1 -2 pints of Hinder per 5 gallons of water. Apply as a full coverage spray. DO NOT irrigate from overhead for at least 24 hours after treatment.

**Annual and Perennial Flowers:** Mix 1 - 2 pints Hinder per 5 gallons water. Apply as a full coverage spray. DO NOT irrigate from overhead for at least 24 hours after treatment. Note: A preliminary trial is recommended to determine plant tolerance. Open flowers (example petunias, impatiens, begonias) may show spotting and petal fall after treatment. Foliage on some sensitive plants (e.g. impatiens, zinnia, bleeding heart, roses, and columbine) can show minor marginal burning. New foliage growth and flower buds that open after treatment usually will be unaffected (except for salvia, and possibly some other types).

**Soybeans, Peanuts, and Carrots:** Mix 2 - 4 gallons of Hinder per 100 gallons of water. Apply by ground or aerial equipment at rates of 50 - 100 gallons of spray solution per acre.

### **RABBITS**

**Trunks of Nursery Stock and Ornamental Trees:** Mix equal parts of Hinder and water and apply by brush to trunks of plants to be protected. Apply to just above the height that rabbits might reach.

## **STORAGE AND DISPOSAL**

DO NOT contaminate water, food or feed by storage or disposal.

**STORAGE:** Keep pesticide in original container. Do not put concentrate or dilute into food or drink containers. Store in a cool, dry place, preferably in a locked storage area.

**PESTICIDE DISPOSAL:** Pesticide wastes are acutely hazardous. 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:** Nonrefillable container. Do not reuse or refill this container. ~~Triple rinse (or equivalent).~~ Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for ten seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or if allowed by burning. If burned, stay out of smoke.

## **LIMITED WARRANTY AND DISCLAIMER**

The manufacturer warrants (a) that this product conforms to the chemical description on the label; (b) that this product is reasonably fit for the purposes set forth in the directions for use, subject to the inherent risks referred to herein, when it is used in accordance with such directions; and (c) that the directions, warnings, and other statements on this label are based upon responsible experts' evaluations of reasonable tests of effectiveness, of toxicity to laboratory animals and to plants and residues on food crops, and upon reports of field experience. Tests have not been made on all varieties of food crops and plants, or in all states or under all conditions.

**THERE ARE NO EXPRESS WARRANTIES OTHER THAN THOSE SET FORTH HEREIN. THE MANUFACTURER NEITHER MAKES NOR INTENDS, NOR DOES IT AUTHORIZE ANY AGENT OR REPRESENTATIVE, TO MAKE ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, AND IT EXPRESSLY EXCLUDES AND DISCLAIMS ALL IMPLIED WARRANTIES OF MERCHANTABILITY OF FITNESS FOR A PARTICULAR PURPOSE, OR ANY WARRANTY OF QUALITY OR PERFORMANCE. THIS WARRANTY DOES NOT EXTEND TO, AND THE BUYER SHALL BE SOLELY RESPONSIBLE FOR, ANY AND ALL LOSS OR DAMAGE WHICH RESULTS FROM THE USE OF THIS PRODUCT IN ANY MANNER WHICH IS INCONSISTENT WITH THE LABEL DIRECTIONS, WARNINGS OR CAUTIONS.**

**BUYER'S EXCLUSIVE REMEDY AND MANUFACTURER'S OR SELLER'S EXCLUSIVE LIABILITY FOR ANY AND ALL CLAIMS, LOSSES, DAMAGES, OR INJURIES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER OR NOT BASED IN CONTRACT, NEGLIGENCE, STRICT LIABILITY IN TORT OR OTHERWISE, SHALL BE LIMITED, AT THE MANUFACTURER'S OPTION, TO REPLACEMENT OF, OR THE REPAYMENT OF THE PURCHASE PRICE FOR, THE QUANTITY OF PRODUCT WITH RESPECT TO WHICH DAMAGES ARE CLAIMED. IN NO EVENT, SHALL MANUFACTURER OR SELLER BE LIABLE FOR SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.**

AMVAC offers this product, and Buyer accepts it, subject to the foregoing Limited Warranty which may be varied only by agreement in writing signed by an authorized representative of AMVAC.



Hinder is a trademark of AMVAC Chemical Corporation.

AMVAC Chemical Corporation  
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