Hinder®

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 13.6%
INERT INGREDIENTS: 86.4%
TOTAL: 100.0%

KEEP OUT OF REACH OF CHILDREN
DANGER/PELIGRO

Bitte die Bedienungsanleitung lesen, bevor das Produkt eingesetzt wird.

First Aid:

If in eyes:  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.

If swallowed:  Call a poison control center or doctor immediately for treatment advice.

If inhaled:  Move person to fresh air. If person is not breathing, call 911 or an ambulance,

If on skin or clothing:  Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes.

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. For treatment of the following emergencies, phone 24 hours a day:

Transportation: CHEMTREC: 1-800-424-9300
Other: AMVAC: 1-223-294-3910

PRECAUTIONARY STATEMENTS

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.

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.

SEE BOOKLET FOR ADDITIONAL PRECAUTIONARY STATEMENTS AND DIRECTIONS FOR USE.

AMVAC
4109 E. Washington Blvd.
Los Angeles, CA 90023 U.S.A.
Made in USA
1-223-294-3910 • www.amvac-chemical.com

Net Contents: 1 gallon
READ THE ENTIRE LABEL BEFORE USING THIS PRODUCT. USE
ONLY ACCORDING TO THE DIRECTIONS ON THE LABEL AND
 Observe ALL PRECAUTIONS.

PRECAUTIONARY STATEMENTS

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 contami-
nated 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 NIOSH 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.

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 wash-
waters.
DIRECTIONS FOR USE

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.

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 dis-
posal 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, con-
tact 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 inciner-
ation, 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 MER-
CHANTABILITY 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 registered trademark of Amvac Chemical Corporation.

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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

PUDE CAUSAR DAÑO PERMANENTE A LOS OJOS.
Si usted no lea inglés, no use este producto hasta que alguien se le explique ampliamente la etiqueta.

FIRST AID

If in eyes:  • 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.
• Call a poison control center or doctor for treatment advice.

If inhaled:  • 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.
• Call a poison control center or doctor for further treatment advice.

If on skin or clothing:  • Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes.
• Call a poison control center or doctor for treatment advice.

If swallowed:  • Call a poison control center or doctor immediately for treatment advice.
• Have person sip a glass of water if able to swallow.
• Do not induce vomiting unless told to do so by a poison control center or doctor.
• Do not give anything by mouth to an unconscious person.

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 BOOKLET FOR ADDITIONAL PRECAUTIONARY STATEMENTS AND DIRECTIONS FOR USE.

EPA Reg. No. 5481-528
EPA Est. No. 82171-MS-003

Net Contents: 1 gallon

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Made in USA

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