

2313-371 PM-15 11/8/89

Hopkins®

RESTRICTED USE PESTICIDE

The use of this product may be hazardous to your health. This product contains Lindane, which has been determined to cause tumors in laboratory animals. Risks can be reduced by closely following the use directions and precautions, and by wearing the protective clothing specified elsewhere on this label.

For retail sale to and use only by Certified Applicators or persons under the direct supervision and only for those uses covered by the Certified Applicator's certification.

LINDANE

EMULSIFIABLE CONCENTRATE

For the control of Sarcoptic and Psoroptic Mange Mites, Ticks, Hornflies and Lice on Animals. Fly Control in Buildings. Chiggers and Ticks on Lawns. To be diluted with water.

ACTIVE INGREDIENTS:

Lindane (Gamma isomer of benzene hexachloride)	11.14%
INERT INGREDIENTS: *	88.86%
TOTAL	100.00%

* This product contains xylene range aromatics.

KEEP OUT OF REACH OF CHILDREN
CAUTION

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

See Side Panel For Additional Precautions

EPA REG. NO. 2393-371

EPA EST. NO. 2393-IL-3^(A), 2393-WI-1^(B), 2393-WI-2^(C)

Superscript refers to first letter of lot number.

NET CONTENTS _____ GALLONS

24861

EXP-1

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
CAUTION

Harmful if swallowed. May be absorbed through the skin. Avoid breathing spray mist and skin contact.

Do not treat sows within 2 weeks of farrowing nor for at least 3 weeks thereafter.

Do not use on poultry.

Do not use on lactating dairy cattle or dairy goats.

Do not use a solution stronger than 1 pint mixed in 45 gallons of water on calves and other young livestock between 3 and 6 months old, and use spray form only.

Do not use on household pets or humans.

Avoid contamination of feed or foodstuffs.

Kitchen utensils, such as tablespoons, must not be used for food purposes after use in measuring pesticides.

STATEMENT OF PRACTICAL TREATMENT

If swallowed: Call a physician or Poison Control Center immediately. Gastric lavage is indicated if material was taken internally. Do not induce vomiting. Vomiting may cause aspiration pneumonia.

If inhaled: Remove victim to fresh air. Apply artificial respiration if indicated.

If on skin: Remove contaminated clothing and wash affected area with soap and water.

If in eyes: Flush eyes with plenty of water. Call a physician if irritation persists.

Note to Physician: Solvent presents aspiration hazard. Gastric lavage is indicated if material was taken internally.

ENVIRONMENTAL HAZARDS

This product is toxic to fish, birds and other wildlife.

Do not apply directly to water or wetlands. Drift and runoff from treated

areas may be hazardous to fish in neighboring areas. Do not contaminate water by cleaning of equipment or disposal of wastes.

This pesticide is highly toxic to bees exposed to direct application. Applications should be timed to coincide with periods of minimum bee activity, usually between late evening and early morning.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

STORAGE AND DISPOSAL

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

STORAGE: Do not use or store near heat or open flame. Do not store below 32°F. Keep product in original container, tightly closed.

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 by other procedures approved by state and local authorities.

AERIAL APPLICATION OF LINDANE IS PROHIBITED.

Applicators must wear water resistant hat; lightweight protective suit or coveralls; unlined waterproof gloves (natural rubber, neoprene or polyethylene); and unlined, lightweight boots.

Mixers/loaders must wear goggles or a face shield, waterproof apron and unlined waterproof gloves.

Applicators working in enclosed areas, such as crawl spaces, must wear a MSHA/NIOSH approved respirator.

USE ONLY AS SPECIFIED ON THIS LABEL

FOLLOW DIRECTIONS CLOSELY, MEASURE ACCURATELY AND STIR EMULSION THOROUGHLY JUST BEFORE USING. DO NOT TREAT ANIMALS IN COLD, STORMY WEATHER. DO NOT TREAT OVERHEATED OR SICK ANIMALS. DO NOT TREAT ANY ANIMAL UNDER 3 MONTHS OF AGE. DO NOT SPRAY LIVESTOCK WITHIN 30 DAYS OF SLAUGHTER AND DO NOT DIP LIVESTOCK WITHIN 60 DAYS OF SLAUGHTER. IF ANY ANIMALS BETWEEN 3 AND 6 MONTHS REQUIRE TREATMENT, USE SPRAY METHOD ONLY AND APPLY THE 0.03% SOLUTION. (1 PINT TO 45 GAL. WATER).

LIVESTOCK SPRAY USE INSTRUCTIONS: Use a sprayer capable of maintaining a pressure of 200 to 400 psi and use 1 to 2 gallons of spray per head for cattle and proportionately less for smaller animals.

DIP USE INSTRUCTIONS: Immerse infected animals at least 1/2 minute in a swim dip vat, cage vat or spray dip machine. Solution should be checked frequently at vat side to assure proper dipping strength (0.03% Lindane). Be certain animals are well watered prior to dipping to prevent them from drinking the dip solution. If oily layer forms, do not treat animals. Clean out entire vat when solution becomes filthy.

SARCOPTIC AND PSOROPTIC MANGE ON BEEF CATTLE AND HOGS: Use 0.06% Lindane prepared as follows: mix 3 tablespoons HOPKINS LINDANE EMULSIFIABLE CONCENTRATE to 2 gallons water or 1 quart to 45 gallons water. Spray of 300 animals thoroughly including inside of ears. Pens and shelters should be sprayed to prevent re-infection. Use 2 applications at 7-14 day intervals. If animals are between 3 and 6 months old and require treatment, use spray method only and apply the 0.03% solution (1 pt. to 45 gallons water).

HORNFLIES ON BEEF CATTLE, HORSES AND HOGS: Spray animals thoroughly with Lindane prepared as follows: mix 1 tablespoon HOPKINS LINDANE EMULSIFIABLE CONCENTRATE to 1 1/2 gallons water or 1 pint to 45 gallons water. Repeat every 3 to 4 days or as often as necessary.

LICE AND TICKS ON BEEF CATTLE, SHEEP AND GOATS (DO NOT APPLY TO DAIRY GOATS): Spray animals thoroughly with 0.03% Lin-

(continued)

Not Reviewed. Registrant claims to be in accordance with Reregistration of Pesticide Product Guidance for Phase 2 Response, Page 2.12, Active to Inert Change in Status.

LINDANE EMULSIFIABLE CONCENTRATE

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(continued)

dane prepared as follows: mix 1 tablespoon HOPKINS LINDANE EMULSIFIABLE CONCENTRATE to 1 1/2 gallons water or 1 pint to 45 gallons water. (Skin and hair on sheep and goats must be thoroughly wet.) Repeat as necessary.

LICE ON HOGS: Spray hogs with a solution not to exceed 0.06% Lindane prepared as follows: mix 3 tablespoons HOPKINS LINDANE EMULSIFIABLE CONCENTRATE to 2 gallons water or 1 quart to 45 gallons water. Repeat as necessary. Do not treat sows within 2 weeks of farrowing nor for at least 3 weeks thereafter.

USED DIP SOLUTIONS: Must be disposed of in accordance with the Resource Conservation and Recovery Act (RCRA). If the applicator generates more than 1,000 kg (2,200 lbs.) of used dip solution per month or more than 1,000 kg (2,200 lbs.) used dip solution in combination with hazardous waste, the material must be treated as a hazardous waste subject to subpart C of RCRA. Any user who wishes to treat, store or dispose of hazardous waste must obtain a permit to serve as a hazardous waste facility pursuant to RCRA.

RESIDUAL CONTROL OF FLIES, ROACHES, BOXELDER BUGS, SPIDERS, ANTS, MOSQUITOES IN LIVESTOCK BUILDINGS AND PENS: For rough surfaces spray 0.3% Lindane prepared as follows: mix 8 tablespoons of HOPKINS LINDANE EMULSIFIABLE CONCENTRATE to 1 gallon water or 1 pint to 4 gallons water. For smooth surfaces or longer residual control, spray 0.5% Lindane prepared as follows: mix 5 tablespoons HOPKINS LINDANE EMULSIFIABLE CONCENTRATE to 1/2 gallon water or 1 pint to 2 1/2 gallons water, applying 1 gallon per 500 square feet of surface or until wet to the point of runoff. For crawling insects apply thoroughly to cracks, crevices, baseboards or other hiding places. Remove animals from building before spraying. Do not spray feed storage, drinking water or feed containers. If possible, cover water and feed troughs before spraying. If drinking water or feed containers are sprayed accidentally, flush immediately with water. Do not apply Lindane in poultry houses, dairy barns or milk rooms. Do not use residual strength solution on animals.

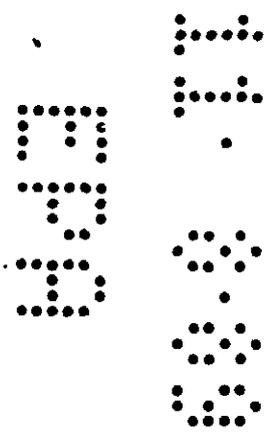
INSECTICIDAL PAINT FOR BARN: Use 1.25% Lindane prepared as follows: mix 1 pint HOPKINS LINDANE EMULSIFIABLE CONCENTRATE to 1 gallon water. Paint on and around sidewalks, doors, windows, crevices, cracks and hiding places. Avoid contact with skin. Do not use in dairy barns or milk rooms.

FLIES ON MANURE PILES, REFUSE HEAPS: Spray with 0.125% Lindane prepared as follows: mix 1 pint HOPKINS LINDANE EMULSIFIABLE CONCENTRATE to 10 gallons water. Wet thoroughly every 3 to 4 weeks or as manure is added. Do not apply treated manure to land to be planted in root crops.

CHIGGERS, TICKS ON LAWNS: Spray thoroughly 0.06% Lindane prepared as follows: mix 1 pint HOPKINS LINDANE EMULSIFIABLE CONCENTRATE to 20 gallons water. 1/2 gallon of HOPKINS LINDANE EMULSIFIABLE CONCENTRATE will be sufficient to cover approximately one acre (1/2 lb. of Lindane per acre). Do not allow children or pets on treated areas until spray has dried.

NOTICE OF WARRANTY

Manufacturer and Seller make no warranty of merchantability, fitness for any purpose, or otherwise, express or implied, concerning this product or its use, which extend beyond the statements on this label.



FORMULATED FOR
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