

PM113

5393-371

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13 MAR 1984

Ms. Judith A. Thompson
Hopkins Agricultural Chemical Co.
P.O. Box 7532
Madison, WI 53707

BEST AVAILABLE COPY

Dear Ms. Thompson:

Subject: Lindane RPAR
Hopkins Lindane Emulsifiable Concentrate
EPA Registration No. 2393-371
Application Dated December 5, 1983

The amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable provided that you make the labeling changes listed below before you release the product for shipment bearing the amended labeling:

1. A STATEMENT OF PRACTICAL TREATMENT must be added to the labeling. We suggest the following statement; however, if your toxicological data suggest otherwise, please submit a draft STATEMENT OF PRACTICAL TREATMENT for prior approval:

STATEMENT OF PRACTICAL TREATMENT

If swallowed - Call a physician or Poison Control Center immediately. ^{Do not induce vomiting unless indicated by a physician.} ~~Drink one or two glasses of water and induce vomiting by coughing the back of throat with finger. Repeat until vomit fluid is clear. Do not induce vomiting or give anything by mouth to an unconscious person.~~ ^{Do not give anything by mouth to an unconscious person.}

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.

CONCURRENCES

SYMBOL ▶								
SURNAME ▶								
DATE ▶								

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2. Insert the following headings to immediately precede: "CAUTION: Harmful if swallowed...."

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

3. Change the heading "DIRECTIONS" to read "DIRECTIONS FOR USE."
4. Insert the following to immediately follow the heading DIRECTIONS FOR USE:

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

5. Insert the following heading to precede the paragraph beginning with "Toxic to fish and wildlife..."

ENVIRONMENTAL HAZARDS

6. Revise the first sentence of the "ENVIRONMENTAL HAZARDS" section to read:

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

(Underscoring added to indicate added text; do not reproduce on the label.)

7. Add the following under "Statement of Practical Treatment:"

NOTE TO PHYSICIAN - Solvent presents aspiration hazard. Gastric lavage is indicated if material was taken internally.

Submit five (5) copies of your revised final printed labeling before you release the product for shipment with the amended labeling.

A stamped copy of the label is enclosed for your records.

If you hold a Federal registration, a supplemental registration, or a Special Local Needs registration, you may continue to produce new stocks of such products, using current labeling, until April 30, 1984. After that date, all remaining inventories of affected products will fall under the Existing Stocks provisions stated in our letter of October 28, 1983.

Sincerely yours,

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George T. LaRocca
Product Manager (15)
Insecticide-Rodenticide Branch
Registration Division (TS-767)

Enclosure

RD/IRB:DCR-28604:LaRocca:pjb:Raven:557-2226:RD-6A:4/10/84:Del.4/17/84

RESTRICTED USE PESTICIDE

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

Form 9437 A

Hopkins

**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.

ACCEPTED
with COMMENTS
in EPA Letter Dated:

MAR 13 1984

Under the Federal Insecticide,
Fungicide and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
249-371



ACTIVE INGREDIENTS:

Lindane (Gamma isomer of benzene hexachloride)	11.14%
Xylene-range aromatic solvent	84.39%
INERT INGREDIENTS:	<u>4.47%</u>

TOTAL 100.00%

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

NET CONTENTS

GALLON

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CAUTION

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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. Do not spray livestock within 30 days of slaughter and do not dip livestock within 60 days of slaughter. Do not treat any animal under 3 months of age. If any animals between 3 and 6 months require treatment, use spray method only and apply the 0.03% solution. (1 pt. to 45 gal. water).

Harmful if swallowed. May be absorbed through the skin. Avoid breathing spray mist and skin contact. In case of contact wash immediately with soap and water.

In case of contact with eyes flush with water and get medical attention. Avoid contamination of feed or foodstuffs.

Applicators must wear the following protective clothing during the application process: a light-weight protective suit or coveralls; water-resistant hat; unlined, waterproof gloves; and unlined, lightweight boots.

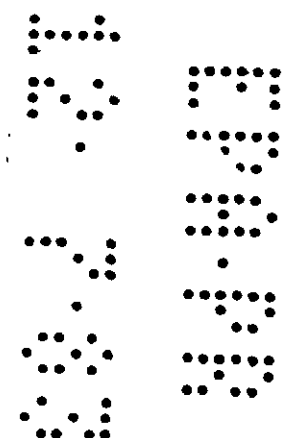
Mixers and loaders must also wear goggles or a face shield, waterproof gloves and a waterproof apron.

Applicators working in enclosed areas, such as crawl spaces, must wear a respirator approved by OSHA (29 CFR 1910.134).

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ENV
Toxic to fish and wildlife. Keep out of any body of water.

Birds feeding on treated areas may be killed. Do not apply when weather conditions favor drift from areas treated. Do not apply where runoff is likely to occur. Do not contaminate water by cleaning of equipment, or disposal of wastes. Apply this product only as specified on this label.



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DIRECTIONS *FOR LICE IT IS A W/O*
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 ANIMALS YOUNGER THAN 3 MONTHS OF AGE.

SARCOPTIC AND PSOROPTIC MANGE ON BEEF CATTLE AND HOGS: Use 0.06% Lindane prepared as follows: mix 3 tablespoons Hopkins Lindane E.C. to 2 gallons water or 1 quart to 45 gallons water. Wet animals thoroughly including inside of ears. Pens and shelters should be sprayed to prevent re-infection. Repeat every 3 to 5 days or as often as necessary. 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 E.C. to 1½ 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: Spray animals thoroughly with 0.03% Lindane prepared as follows: mix 1 tablespoon Hopkins Lindane E.C. to 1½ 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 E.C. 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 1000 kg (2200 lbs) of used dip solution per month or more than 1000 kg (2200 lbs) used dip solution in combination with other 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 PROCESSING PLANTS AND LIVESTOCK BUILDINGS: For rough surfaces spray 0.3% Lindane prepared as follows: mix 8 tablespoons of Hopkins Lindane E.C. 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 E.C. to ½ gallon water or 1 pint to 2½ 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 drinking water or feed containers are sprayed accidentally, flush immediately with water. Do not apply Lindane in poultry houses, dairy barns or milkrooms. Do not apply Lindane in the edible products areas of processing plants. Do not use residual strength solution on animals.

INSECTICIDAL PAINT FOR BARNs: Use 1.25% Lindane prepared as follows: mix 1 pint Hopkins Lindane E.C. 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.

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DIRECTIONS (cont.)

FLIES ON MANURE PILES, REFUSE HEAPS: Spray with 0.125% Lindane prepared as follows: mix 1 pint Hopkins Lindane E.C. 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 to root crops.

CHIGGERS, TICKS ON LAWNS: Spray thoroughly 0.06% Lindane prepared as follows: mix 1 pint Hopkins Lindane E.C. to 20 gallons water. $\frac{1}{2}$ gallon of Hopkins Lindane E.C. will be sufficient to cover approximately one acre ($\frac{1}{2}$ lb. Lindane per acre).

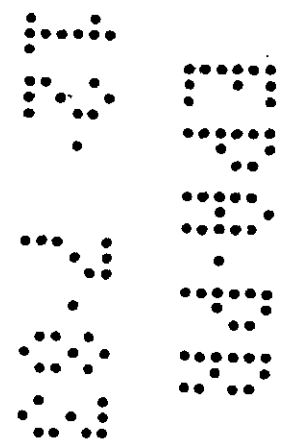
STORAGE & DISPOSAL

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.



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NOTICE OF WARRANTY
Manufacturer and Selier 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.

EPA Reg. No. 2393-371
EPA Est. No. 2393-IL-3[Ⓢ], 2393-WI-1[Ⓢ],
523-IL-1[Ⓢ], 2393-WI-2[Ⓢ], 33509-MO-1[Ⓢ]
Superscript refers to first letter of lot number.



MANUFACTURED BY
Hopkins
agricultural chemical co.
BOX 7532 • MADISON, WISCONSIN 53707
U.S.A.

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DIRECTIONS FOR USE (Cont.)

STORAGE AND DISPOSAL

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

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NOTICE OF WARRANTY

Manufacturer and Seller make no warranty of merchantability, fitness for any purpose, or otherwise, express

Do not use on household pets or animals. Do not spray livestock within 30 days of slaughter and do not dip livestock within 60 days of slaughter. Do not treat any animal under 3 months of age. If any animals between 3 and 6 months require treatment, use spray method only and apply the 0.03% solution. (1 pt. to 45 gal water)

Harmful if swallowed. May be absorbed through the skin. Avoid breathing spray mist and skin contact. In case of contact wash immediately with soap and water. In case of contact with eyes flush with water and get medical attention.

Avoid contamination of feed or foodstuffs

Applicators must wear the following protective clothing during the application process: a lightweight protective suit or coveralls; water-resistant hat; unlined, waterproof gloves; and unlined, lightweight boots

Mixers and loaders must also wear goggles or a face shield, waterproof gloves and a waterproof apron

Applicators working in enclosed areas, such as crawl spaces, must wear a respirator approved by OSHA (29 CFR 1910.134)

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