

US ENVIRONMENTAL PROTECTION AGENCY  
OFFICE OF PESTICIDES PROGRAMS  
REGISTRATION DIVISION (75-757)  
WASHINGTON, DC 20460

EPA REGISTRATION NO. 407-415 DATE OF ISSUANCE MAY 28 1986

TERM OF ISSUANCE Until Reregistered

NAME OF PESTICIDE PRODUCT  
Imperial Lindane 20%  
Emulsifiable Concentrate

NOTICE OF PESTICIDE:  REGISTRATION  
 REREGISTRATION  
(Under the Federal Insecticide, Fungicide,  
and Rodenticide Act, as amended)

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

Imperial, Inc.  
P.O. Box 423  
Shenandoah, IA 51601

161/160442  
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NOTE: Changes in labeling formula differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above U.S. EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby Registered/Reregistered under the Federal Insecticide, Fungicide, and Rodenticide Act.

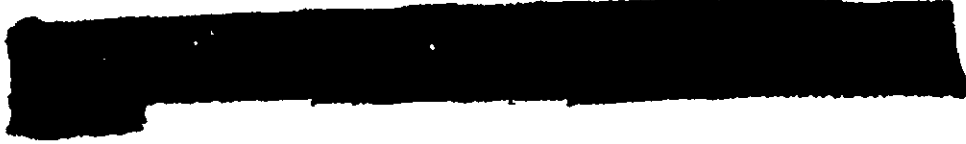
A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.

Registration is in no way to be construed as an indorsement or approval of this product by this Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA section 3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA section 3(c)(5) when the Agency requires all registrants of similar products to submit such data.

2. Make the labeling changes listed below before you release the product for shipment:

- a. Add the phrase "EPA Registration No. 407-415."
- b. Change ACTIVE INGREDIENTS to singular.
- c. 

ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL



DATE

5/28/86

- d. Place an asterisk after INERT INGREDIENTS and add a footnote "Contains xylene range aromatic solvent."
- e. Add the signal word WARNING below the child-hazard warning.
- f. Add "or convulsing" before "person" in the If Swallowed section.
- g. Delete heading BENEFICIAL INSECTS CAUTIONS; this is part of the ENVIRONMENTAL HAZARDS block.
- h. Change "30 CFR Part II" to "30 CFR Part 11" [eleven].
- i. Change "Repeat as necessary" to "Repeat in 2 to 3 weeks, if necessary" wherever repeat treatments are recommended on animals.
- j. Add NOTE TO PHYSICIAN to follow Statement of Practical Treatment:

Solvent presents aspiration hazard. Gastric lavage is indicated if material was taken internally.

- k. Revise If Swallowed section

Call a physician or Poison Control Center immediately. If possible, vomiting should be induced under medical supervision. Drink one or two glasses of water and induce vomiting by touching the back of throat with a finger. Do not induce vomiting or give anything by mouth to an unconscious or convulsing person.

3. Submit five (5) copies of your final printed labeling before you release the product for shipment. Refer to the A-79 Enclosure for a further description of final printed labeling.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of the conditions.

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

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

Enclosures

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.

IMPERIAL

LINDANE 20%

EMULSIFIABLE CONCENTRATE

ACTIVE INGREDIENTS:

|  |        |
|--|--------|
| Lindane (Gamma Isomer of Benzene Hexachloride) . . . . . | 20.0%  |
| Xylene Range Aromatic Solvent . . . . .                  | 52.2%  |
| INERT INGREDIENTS: . . . . .                             | 17.8%  |
| TOTAL  | 100.0% |

(Contains 1.63 pounds of Lindane per gallon)

KEEP OUT OF REACH OF CHILDREN

(Note to Printer:  
Same type size for  
"Keep Out of Reach  
of Children" and  
"Storage and Dis-

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED - Call a physician or Poison Control Center immediately. Drink one or two glasses of water and induce vomiting by touching 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.

IF INHALED - Remove victim to fresh air. Apply respiration, if indicated.

IF ON SKIN - Wash area immediately with soap and warm water.

IF IN EYES - Flush with plenty of water and get prompt medical attention.

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

Manufactured By

Imperial Inc.

Shenandoah, Iowa 51601

EPA Reg. No. 407-

EPA Est. 407-IA-1

Net Contents \_\_\_\_\_

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

MAY 28 1986

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.  
407-415 415

PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS  
CAUTION

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May be absorbed through skin. Harmful if swallowed. Avoid inhalation of spray mist. Avoid skin contact. In case of contact, wash immediately with soap and water. Wash thoroughly after using and before eating or smoking. Avoid contamination of feed and foodstuffs. Food utensils, such as teaspoons, should not be used for food purposes after use in measuring pesticide. Do not use on household pets and humans. 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.

ENVIRONMENTAL HAZARDS

This product is toxic to fish, birds and other wildlife. Birds and other wildlife feeding in treated areas may be killed. Do not apply directly to water. Do not apply when weather conditions favor drift from areas treated. Do not contaminate water by cleaning of equipment or disposal of wastes.

BENEFICIAL INSECT CAUTION

This pesticide is highly toxic to bees exposed to direct treatment or to residues remaining on the treated area. Do not apply when bees are actively visiting the crop, cover crop, or weeds blooming in the treatment area. Applications should be timed to provide the maximum possible interval between treatment and the next period of bee activity.

PHYSICAL AND CHEMICAL HAZARDS

Do not use or store near heat or open flame.

DIRECTIONS FOR USE

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

AERIAL APPLICATION OF LINDANE IS PROHIBITED.

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

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, light-weight 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 pesticide respirator jointly approved by MSHA (Mine Safety and Health Administration) and NIOSH (National Institute for Occupational Safety and Health) under the provisions of 30 CFR Part II.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited.

STORAGE: If container is damaged: Stop any leaks by repositioning the container or by patching or otherwise repairing the leaks. Take care to avoid contact with pesticide and wear protective gear. On cleanup of spilled liquids, wear protective equipment as required to prevent contact with the product or its vapors. Cover the spilled areas with generous amounts of absorbent material, such as clay, diatomaceous

earth, sand or sawdust. Sweep the contaminated absorbent on to a shovel and put the sweepings into a salvage drum. Dispose of wastes as below. Place any leaking container into a similar drum or glass container. Do not store, use, pour or spill near heat or open flame.

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**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.

**MEASURE ACCURATELY-STIR THOROUGHLY BEFORE USE**

Do not apply to dairy cattle or dairy goats. Do not apply spray to beef cattle, hogs, sheep and goats within 30 days of slaughter.

Do not apply to these animals within 30 days of giving birth to young nor for at least 3 weeks thereafter. Do not treat nursing animals. Do not apply to pigs, sheep and goats less than 3 months old. Do not apply to calves less than 5 months old. Do not treat animals in cold, stormy weather. Do not treat overheated or sick animals.

Do not apply to feed or forage to be fed to or grazed by livestock or poultry. Do not contaminate feed or food crops. Do not use on poultry or in poultry houses.

**HORNFLIES ON BEEF CATTLE:** Spray animals thoroughly with 0.03% Lindane solution prepared by adding 1 tablespoonful Lindane Concentrate to 2 1/2 gallons of water or 1/2 pint to 40 gallons. Repeat as necessary.

**LICE AND TICKS ON BEEF CATTLE, HORSES, SHEEP GOATS:** Spray animals with 0.03% Lindane solution prepared by adding 1 tablespoonful Lindane Concentrate to 2 1/2 gallons of water or 1/2 pint to 40 gallons. Wet skin thoroughly. Repeat as necessary.

LICE ON HOGS: Spray animals with 0.06% Lindane solution prepared by adding 2 tablespoonfuls Lindane Concentrate to 2½ gallons of water or ½ pint to 20 gallons. Repeat as necessary. Do not apply to young animals.

SARCOPTIC MANGE ON BEEF CATTLE AND HOGS AND PSOROPTIC MANGE (SHEEP SCABIES) ON SHEEP AND GOATS: Spray animals with 0.03% spray prepared by adding 1 tablespoonful Lindane Concentrate to 2½ gallons of water. Wet animals thoroughly. Use 2 or more treatments at 7 to 10 day intervals as needed. Pens and shelters should also be sprayed to prevent reinfestation.

FLIES, ROACHES, SPIDERS, ANTS, MOSQUITOES IN LIVESTOCK PENS AND BUILDINGS: Spray with 0.3% solution prepared by adding 4 tablespoonfuls Lindane Concentrate to 1 gallon of water, or ½ pint to 4 gallons. Apply 1 gallon of mix for each 500 square feet of surface area or until thoroughly wet, about to run off. For crawling insects apply thoroughly to cracks, crevices, baseboards and other hiding places. Remove animals before spraying. Do not contaminate milk or milking equipment, feed or drinking water. Remove animals before spraying.

INSECTICIDAL PAINT: Use 1.25% Lindane solution prepared by adding ½ pint Lindane Concentrate to 1 gallon of water. Apply with a brush on and around hiding places as a spot treatment. This concentration may blister paint. Do not use in the home. Do not contaminate milk, milking equipment, feed or drinking water.