

**CATTLE & STOCK
INSECTICIDE
EMULSIFIABLE
(12½% Lindane)
FOR FLIES, TICKS, LICE and
PSOROPTIC and SARCOPTIC MANGE**

Restricted Use Pesticide

For application only by or under the direct supervision of a certified applicator.

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.

ACTIVE INGREDIENTS:	
Gamma Isomer of Benzene Hexachloride (from Lindane)	12.50%
Nylone Range Aromatic Solvent	82.70%
INERT INGREDIENTS:	4.80%
Total	100.00%

WARNING

KEEP OUT OF REACH OF CHILDREN
See Side Panel for Additional Cautions

DO NOT USE, POUR,
HEAT OR

NET CONTENTS 1 GALLON

Manufactured by

Chem-Tech, Ltd
Des Moines IA 50313

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MADE IN U.S.A.

USE
FOR
AS
BY

DIRECTIONS

Fly Control: For an effective residue on farm buildings, use 2 1/4 gallons 12 1/2% Lindane in 100 gallons water (equivalent to 1 pint in 6 gallons) and apply to wet all surfaces to point of run-off. Before applying spray, cover feed and water troughs and remove animals from buildings. Do not contaminate milk or milking equipment, feed or drinking water. Repeat treatment as necessary. Do not use in dairy barns and milk rooms. Do not apply in poultry houses.

Ticks and Lice (Sheep and Goats): Use 2 1/4 pints 12 1/2% Lindane per 100 gallons of water. Dip or spray thoroughly wetting animals. Repeat treatment at 7-10 day intervals may be necessary to prevent reinfestation. Do not dip animals within 60 days of slaughter. Do not spray within 30 days of slaughter. Treat calves with three-fourths strength solution, lightly and with caution. Do not treat calves under 3 months of age. Do not apply to dairy animals.

Psoroptic and Sarcoptic Mange Mites and Lice (including eggs) (Hogs): Use 2 1/4 pints 12 1/2% Lindane in 100 gallons water. Dip or spray. Complete coverage of the animals, including inside of ears, is necessary. In light cases a single treatment may be all that is needed. If condition persists, a second treatment may be necessary in 10 days. Hogs should be kept out of sun and wind a few hours after treatment. Do not spray within 30 days of slaughter, or dip within 60 days of slaughter. Do not treat pigs under 3 months of age.

Do not treat sows within two weeks of farrowing nor for at least three weeks thereafter.

Lice and Ticks (Sheep and Goats): Mix 2 1/4 pints 12 1/2% Lindane in 100 gallons of water. Use as a spray or dip, thoroughly wetting animals. Repeat treatment at 7 to 10 day intervals may be necessary to prevent reinfestation. Do not spray within 30 days of slaughter. Do not dip within 60 days of slaughter. Do not use on dairy goats.

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WARNING

May be fatal if swallowed. May be absorbed through skin. Do not breathe spray mist. Avoid contact with skin or eyes. In case of contact, wash immediately with soap and warm water. For eyes, flush with water and get medical attention. Avoid contamination of food and feedstuffs. Do not use on household pets or humans. Do not treat animals under three months of age. Avoid treating animals in cold, stormy weather. Avoid treating over-heated or sick animals.

ENVIRONMENTAL CAUTIONS

This product is toxic to fish, birds, and other wildlife. Keep out of lakes, streams, or ponds. Do not contaminate water by cleaning of equipment, or disposal of wastes. Apply this product only as specified on this label.

STORAGE AND DISPOSAL

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(10 PT)

Storage: Do not contaminate water, food, or feed by storage or disposal. Store only in original container in a cool, dry secure area.

(10 PT)

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.

Plastic Containers: When container is empty triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

NOTICE: Buyer assumes all risk and liability of use, storage and/or handling of this material not in accordance with the terms of this label.

EPA REG NO. 47000-14
EPA EST. NO. 47000-IA-01



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

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OFFICE OF
PESTICIDE AND TOXIC SUBSTANCES

Mr. James R. Melton
Chem-Tech Ltd.
1727 Hull Ave.
Des Moines, IA 50313

500 / 118151
11 / 2

Dear Mr. Melton:

Subject: Lindane RPAR
Cattle & Stock Insecticide
EPA Reg. No.: 471 0-14
Appl. Date: November 15, 1983
12/1/83

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. Be sure to note the type size requirements for the front panel signal word, the "KEEP OUT OF REACH OF CHILDREN" and the headings "STORAGE AND DISPOSAL" (same as for KEEP OUT OF REACH OF CHILDREN) and "RESTRICTED USE PESTICIDE" (same as for front panel signal word).
2. The RPAR Notice incorrectly indicated the language to be used for the RESTRICTED USE PESTICIDE statement. Delete "For application only by or under the direct supervision of a certified applicator" and insert the following at the top of the front panel above the product name. (Note: the type size requirements for the heading "RESTRICTED USE PESTICIDE" are the same as required for the front panel signal word.)

"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."

(Note: Move the RESTRICTED USE PESTICIDE block to appear above the product name. This labeling element is required to be the uppermost labeling element on the front panel.)

3. Move the "KEEP OUT OF REACH OF CHILDREN" to appear immediately above the front panel signal word.
4. Change the heading "DIRECTIONS" to "DIRECTIONS FOR USE".
5. 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."

6. A STATEMENT OF PRACTICAL TREATMENT must be added to the labeling. We suggest the following statement, however, if your toxicological data suggests 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. 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 finger. Do not induce vomiting or 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 areas with soap and water.

If in eyes- Flush eyes with plenty of water. Call a physician immediately.

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

7. Immediately preceding "WARNING: May be fatal if swallowed..." insert the following headings:

"PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS"

8. Change "ENVIRONMENTAL CAUTIONS" to "ENVIRONMENTAL HAZARDS".
9. Following the ENVIRONMENTAL HAZARDS section, insert the following:

"PHYSICAL OR CHEMICAL HAZARDS

Do not use, pour, spill or store near heat or open flame."

Note: you may also retain the Do not use, etc. on the front panel if you desire, however, a PHYSICAL OR CHEMICAL HAZARDS section is required for this product in the PRECAUTIONARY STATEMENTS section.

10. Insert a dip disposal section on the label; use the language from the dip disposal enclosure.

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 1, 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,

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

Enclosure