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4/6



U.S. ENVIRONMENTAL PROTECTION AGENCY  
Office of Pesticide Programs  
Registration Division (H7505C)  
401 "M" St., S.W.  
Washington, D.C. 20460

EPA Reg. Number:

19713-401

Date of Issuance:

APR 15 1997

NOTICE OF PESTICIDE:

- Registration
- Reregistration

(under FIFRA, as amended)

Term of Issuance: Conditional

Name of Pesticide Product:

Drexel Lindane 30%

Name and Address of Registrant (include ZIP Code):

Drexel Chemical Company  
P.O. Box 13327  
Memphis, TN 38113-0327

Note: Changes in labeling 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 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.

Registration is in no way to be construed as an endorsement or recommendation of this product by the 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 sec. 3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.
2. Make the labeling changes listed below before you release the product for shipment:
  - a. Add the phrase "EPA Reg. No. 19713-401".
  - b. Delete the footnote "This product contains the toxic inert ingredient Rhodamine B". According to the submitted Confidential Statement of Formula you submitted, dated May 22, 1996, there is no dye of any type included in this product.

Signature of Approving Official:

Date:

APR 15 1997

2/6

page 2

EPA Reg. No. 19713-401

- c. Revise the Hazards to Humans and Domestic Animals to read as follows: "May be fatal if swallowed or absorbed through skin. Causes substantial but temporary eye injury. Harmful if inhaled. Causes skin irritation. Do not get in eyes, on skin or on clothing. Avoid breathing vapors. Avoid contamination of feed and food-stuffs. Do not store with food, feed, or forage. This product should be applied in a well-ventilated area."
  - d. Because existing data shows that similar formulations are toxicity category II for acute dermal toxicity and for dermal irritation, revise the Personal Protective Equipment section to specify coveralls over short sleeved shirt and short pants, waterproof gloves, and chemical resistant footwear. Also, because lindane is on the WPS active ingredient list as requiring an organic vapor removing respirator, replace the requirement for a dust/mist filtering respirator with "a respirator with either an organic vapor-removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C), or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G)".
  - e. Under the heading DIRECTIONS FOR USE, capitalize the "F" of "Federal".
  - f. Revise the beginning of the sentence "The Federal Food and Drug Administration has set official tolerances for certain pesticide residues." to read "The U.S. Environmental Protection Agency has set..."
  - g. Under the heading GENERAL INFORMATION, delete "or by hand in any suitable mixing equipment, such as homemade rotary drums".
  - h. Be sure to meet type size requirements for elements of the label with minimum type size requirements.
3. Submit three (3) 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 these conditions.

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

3/4

DREXEL LINDANE 30%

ACTIVE INGREDIENT:

Lindane: (Gamma isomer of benzene hexachloride).....	30%
INERT INGREDIENTS.....	70%
TOTAL.....	100%

This Product contains the toxic inert ingredient Rhodamine B

KEEP OUT OF REACH OF CHILDREN

WARNING/AVISO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: Call a physician or Poison Control Center immediately. Drink 1 or 2 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 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 immediately.

EPA Reg. No.: 19713- UNR

ACCEPTED  
with COMMENTS  
in EPA Letter Dated

APR 15 1997

REVISION DATE: January 17, 1995

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

19713-401

Manufactured by:  
Drexel Chemical Company  
P.O. Box 13327, Memphis, Tn 38113-0237

4/6

### PRECAUTIONARY STATEMENTS

#### Hazards to Humans and Domestic Animals

**WARNING:** May be fatal if swallowed. May be absorbed through skin. Do not breathe spray mist. Causes skin and eye irritation. Do not get in eyes, on skin, or on clothing. Avoid contamination of feed and foodstuffs. This product should be applied in a well-ventilated area.

#### PERSONAL PROTECTIVE EQUIPMENT

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category E on EPA chemical resistance category selection chart.

**Applicators and other handlers must wear:** Long-sleeved shirt and long pants, Chemical resistant gloves, such as barrier laminate or nitrile rubber or neoprene rubber or Viton, Shoes plus socks, Dust/mist filtering respirator (MSHA/NIOSH approval prefix TC-21C).

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. 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.

When handlers use closed systems, in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

### USER SAFETY RECOMMENDATIONS

**Users should:** Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

### ENVIRONMENTAL HAZARDS

This product is toxic to fish, birds, and wildlife. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Exposed treated seeds may be hazardous to birds or other wildlife. Dispose of all excess treated seeds by burial away from bodies of water. Do not contaminate water by cleaning of equipment or disposal of wastes.

### 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 persons, either directly or through drift. Only protected handlers may be in the area during application.

For any requirements 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 the 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.

**EXCEPTION:** If the product is soil-injected or soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated areas if there will be no contact with anything that has been treated. 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: Chemical-resistant gloves, such as barrier laminate or nitrile rubber or neoprene rubber or Viton, Shoes plus socks.

J/6

Mix thoroughly before use or use entire container at one time. LINDANE 30% may be tank mixed with Vitafax 200 Flowable Fungicide, Vitafax 34 Seed Treatment, Captan 4 Flowable Fungicide or Thiram Fungicide at the respective labeled rate. All other tank mixes should be pre-tested to determine physical compatibility between formulations. Observe all cautions and limitations on labeling of all products used in mixtures.

This product is to be used in liquid or slurry treaters.

The Federal Food and Drug Administration has set official tolerances for certain pesticide residues. In order that residues on food and forage crops will not exceed established tolerances, use only at recommended rates.

LINDANE 30% will protect seeds and seedlings against damage from wireworms and seed corn maggots.

**GENERAL INFORMATION**

This product is formulated to protect seeds against wireworms, seed corn maggots and certain other soil-borne insects. This product contains effective binding agents to hold the Lindane on the seed during sacking, storing, and planting. Apply in a slurry-type treater specifically designed and approved for that purpose or apply by hand in any suitable mixing equipment, such as homemade rotary drums.

SEED	DOSAGE RATE/100 LBS. OF SEED
Barley	1.35 fl. oz.
Beans	0.7 fl. oz.
Cabbage, Cauliflower, Broccoli, Brussels Sprouts	4.9 fl. oz.
Cantaloupes, Cucumber, Watermelon, Squash,	
Carrots, Onions	2.7 fl. oz.
Cotton:	
Acid Delinted or Reginned	5.4 fl. oz.
Fuzzy--undelinted	6.1 fl. oz.
Lentils	2.7 fl. oz.
Oats	1.4 fl. oz.
Peas	2.7 fl. oz.
Radishes	1.4 fl. oz.
Rye	1.4 fl. oz.
Safflower	1.4 fl. oz.
Sunflowers	2.7 fl. oz.
Sudan grass	1.1 fl. oz.
Wheat	1.4 fl. oz.

Only seed of high germination with good vigor should be treated with LINDANE 30%. Poor seed may suffer greater injury. Treat seed not over six (6) weeks before planting. Store treated seed in a cool, dry place until planting, so that excess moisture will evaporate. If seed is stacked when wet, heat may develop which could impair germination.

**NOTE:** The purchaser of this product is responsible for ensuring that all seed treated with this product are adequately dyed with a suitable color to prevent its accidental use as food for man or feed for animals. Refer to 21 CFR, Part 2.25. Any dye added to treated seed must be cleared for use under 40 CFR, Part 180.1001.

Labels attached to the treated seed must read: Treated seed should not be used for or mixed with food or animal feed or processed for oil. Exposed treated seeds may be hazardous to birds and other wildlife. Dispose of all excess seed by burial away from bodies of water.

6/6

**STORAGE AND DISPOSAL**

1. **STORAGE:** Store in a cool place. Do not store in direct sunlight. Protect from freezing temperatures.
2. **PROHIBITIONS:** Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited. Do not re-use empty container.
3. **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.
4. **CONTAINER DISPOSAL:** 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 - READ CAREFULLY**

**CONDITIONS OF SALE AND LIMITED WARRANTY STATEMENT**

Treatment of highly mechanically damaged seed, or seed of known low vigor and poor quality, except for the purposes of curative control of existing disease or insect pests, may result in reduced germination and/or reduction of seed and seedling vigor. Treat and conduct germination tests on a small portion of seed before committing the total seed lot to a selected chemical treatment. Due to seed quality and conditions beyond the control of Drexel Chemical Company, no claims are made to guarantee germination of carry-over seed.

OUR RECOMMENDATIONS FOR USE of this product are based upon tests believed reliable.

Follow directions carefully. Timing and method of application, weather and crop conditions, mixtures with other chemicals not specifically recommended, and other influencing factors in the use of this product are beyond the control of the Seller. Buyer assumes all risks of use, storage and handling of this material not in strict accordance with directions given herewith.

In no case shall Drexel or the Seller be liable for consequential, special or indirect damages resulting from the use or handling of this product when such use and/or handling is not in strict accordance with directions given herewith. The foregoing is a condition of sale by Drexel Chemical Company and is accepted as such by the Buyer.