

PM 19 62719-43

Tof8

Please read instructions on reverse before completing form.

Form Approved. OMB No. 2070-0060. Approval expires 2-28-95



United States
Environmental Protection Agency
Washington, DC 20460

Registration
 Amendment
 Other FINAL PRINTED/NOTIFICATION

OPP Identifier Number
238716

Application for Pesticide - Section I

1. Company/Product Number DowElanco/62719-43	2. EPA Product Manager Dennis Edwards	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) DowElanco/Reldan 4E	PM# PM-19	
5. Name and Address of Applicant (Include ZIP Code) DowElanco 9330 Zionsville Road Indianapolis, IN 46268 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

Section - II

<input type="checkbox"/> Amendment - Explain below.	<input checked="" type="checkbox"/> Final printed labels in response to Agency letter dated February 26, 1991
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

FINAL PRINTED LABELING and LABEL NOTIFICATION, per PR Notice 95-2: II 12(a),(b).

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Metal Plastic Glass Paper Other (Specify) _____		
* Certification must be submitted		If "Yes" Unit Packaging wgt. No. per container	If "Yes" Package wgt. No. per container		
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container		5. Location of Label Directions <input type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product	
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled				<input type="checkbox"/> Other _____	

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)

Name Dennis H. Lade	Title Product Registration Manager	Telephone No. (Include Area Code) (317) 337-4649
------------------------	---------------------------------------	---

Certification

I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.

6 Date Application Received
(Stamped)

2. Signature <i>Dennis H. Lade</i>	3. Title Product Registration Manager
4. Typed Name Dennis H. Lade	5. Date September 12, 1995

20/8

Final Printed Labeling 08/02/95
file: r043f91f.doc

Reldan* 4E

EPA Reg. No. 62719-43

Final Printed Labeling: Current label text based on EPA-accepted copy dated February 28, 1991.

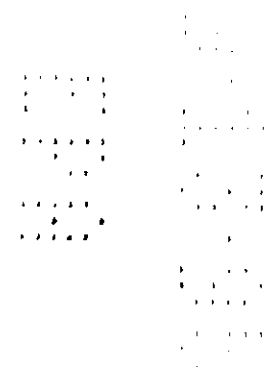
Amendments EPA-Accepted 02/26/91:

1. The following statement deleted from product label: "This product contains the toxic inert ingredient Methylene Chloride".

Other Changes by Notification (08/02/95):

1. Physical or Chemical Hazards corrected to be consistent with 40 CFR 156.10: The word "Combustible" was deleted as it is not required for a formulation with a flashpoint within the range of 80°F and 150°F. The corrected statement now reads "Do not store near heat or open flame." Ref. PR Notice 95-2: II 12(a), (b).

*Trademark of DowElanco



3 of 8

(Container Label)

(logo) DowElanco

Reldan* 4E**Controls Insect Pests Attacking Stored Grains****Active Ingredient:**

chlorpyrifos-methyl: O,O-dimethyl O-(3,5,6-trichloro-2-pyridinyl) phosphorothioate	43.2%
Inert Ingredients	56.8%
Total	100.0%

Contains 4 lb chlorpyrifos-methyl per gallon.

Precautionary Statements**Hazards to Humans and Domestic Animals****Keep Out of Reach of Children****DANGER****Corrosive • Causes Eye And Skin Damage Or Irritation**

Do not get in eyes, on skin, or on clothing. Wear goggles or face shield and rubber gloves when handling. Do not breathe vapors and spray mist. Keep container closed. Wash hands, arms and face thoroughly with soap and water after handling and before eating or smoking. Routinely shower or bathe after work and wash all clothing with soap and hot water before reusing. Keep away from food, feedstuffs, and water supplies.

First Aid

If swallowed: Call physician or Poison Control center immediately. Do not induce vomiting. Contains aromatic petroleum solvent.

If on skin: In case of contact, remove contaminated clothing and immediately wash with soap and water.

If in eyes: Flush eyes with plenty of water for 15 minutes and call a physician.

Note to physician: Chlorpyrifos-methyl is a cholinesterase inhibitor. Treat symptomatically. Atropine only by injection is the preferable antidote. Oximes such as 2-PAM may or may not be therapeutic; if used early, however, use only in conjunction with atropine.

Environmental Hazards

Reldan 4E insecticide is toxic to fish, birds and other wildlife. Do not apply directly to water. Do not contaminate water by cleaning of equipment or disposal of wastes. Do not discharge directly or indirectly to surface water. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority.

Physical or Chemical Hazards

Do not use or store near heat or open flame. Do not cut or weld container.

Refer to label booklet for additional precautionary information and Directions for Use.

5078

(Label Booklet)

(logo) DowElanco

Reldan* 4E

Controls Insect Pests Attacking Stored Grains

Active Ingredient:

chlorpyrifos-methyl: O,O-dimethyl O-(3,5,6-trichloro-2-pyridinyl) phosphorothioate	43.2%
Inert Ingredients	56.8%
Total	100.0%

Contains 4 lb chlorpyrifos-methyl per gallon.

Keep Out of Reach of Children

DANGER

Refer to label booklet for additional precautionary information and Directions for Use.

Notice: Read the entire label. Use only according to label directions. Before buying or using this product, read "Warranty Disclaimer" and "Limitation of Remedies" in the attached label booklet.

In case of emergency endangering health or the environment involving this product, call collect 517-636-4400.

Agricultural Chemical: Do not ship or store with food, feeds, drugs or clothing.

EPA Reg. No. 62719-43

EPA Est. 464-EN-1

*Trademark of DowElanco
DowElanco Ltd • Kings Lynn, Norfolk
England PE30 2JD 0553 761251

Insecticide

62/8

Precautionary Statements

Hazards to Humans and Domestic Animals
Keep Out of Reach of Children**DANGER****Corrosive • Causes Eye And Skin Damage Or Irritation**

Do not get in eyes, on skin, or on clothing. Wear goggles or face shield and rubber gloves when handling. Do not breathe vapors and spray mist. Keep container closed. Wash hands, arms and face thoroughly with soap and water after handling and before eating or smoking. Routinely shower or bathe after work and wash all clothing with soap and hot water before reusing. Keep away from food, feedstuffs, and water supplies.

First Aid

If swallowed: Call physician or Poison Control center immediately. Do not induce vomiting. Contains aromatic petroleum solvent.

If on skin: In case of contact, remove contaminated clothing and immediately wash with soap and water.

If in eyes: Flush eyes with plenty of water for 15 minutes and call a physician.

Note to physician: Chlorpyrifos-methyl is a cholinesterase inhibitor. Treat symptomatically. Atropine only by injection is the preferable antidote. Oximes such as 2-PAM may or may not be therapeutic; if used early, however, use only in conjunction with atropine.

Environmental Hazards

Reidan 4E insecticide is toxic to fish, birds and other wildlife. Do not apply directly to water. Do not contaminate water by cleaning of equipment or disposal of wastes. Do not discharge directly or indirectly to surface water. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority.

Physical or Chemical Hazards

Do not use or store near heat or open flame. Do not cut or weld container.

Directions for Use

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Read all Directions for Use carefully before applying.

Storage and Disposal

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

Product Storage: Store in original container in secured dry storage area. Prevent cross-contamination with other pesticides and fertilizers. Do not store above 90°F for extended periods of time. Storage below 20°F may result in formation of crystals. If product crystallizes, store at 50 to 70°F and agitate to redissolve crystals. If container is damaged or spill occurs, use product immediately or dispose of product and damaged container as indicated below.

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.

7 of 8

Product Information

Stored Grain: For protection of stored food, feed, oil and seed grains against injury from stored grain weevils, moths, borers, beetles and mealworms, including granary weevil, rice weevil, red flower beetle, confused flour beetle, saw-toothed grain beetle, Indian meal moth, Angoumois grain moth and lesser grain borer. For optimum results, thoroughly clean and treat grain storage areas prior to storage of grain.

Grain Bin and Warehouse: Dilute Reldan[®] 4E insecticide with water to give a final concentration of 1% chlorpyrifos-methyl (1/2 pint of product per 6 1/2 gallons of finished spray or 1/2 liter of product per 25 liters of finished spray). Apply finished spray to equipment, wall and floor surfaces at the rate of 1 gallon per 650 to 1250 square feet (948 ml per 60 to 115 square meters) prior to storing or handling grain. Application should be made only after equipment and buildings have been thoroughly cleaned.

Treatment of Grain Being Stored: Dilute Reldan 4E with water or food grade mineral oils and apply to the moving grain stream as a coarse spray to give a deposit of 3 to 6 ppm of chlorpyrifos-methyl on the grain. Final spray volume may vary from 1 to 5 gallons of water per 1000 bushel (0.2 to 1.0 liters per metric ton) of grain. Use the higher dosage if grain is to be stored for longer than 3 months.

Reldan 4E is to be applied to stored grains at the following rates per 1000 bushels to provide treatment with 3 to 6 ppm concentrations of chlorpyrifos-methyl:

	3 ppm		6 ppm	
	fl oz	ml	fl oz	ml
Barley	4.6	135	9.2	270
Oats	3.1	90	6.2	180
Rice	4.3	130	8.6	255
Sorghum (milo)	5.4	160	10.7	315
Wheat	5.8	170	11.5	340

Reldan 4E is to be applied to stored grains at the following rate per 100 metric tons to provide treatment with 3 to 6 ppm concentrations of chlorpyrifos-methyl:

3 ppm		6 ppm	
fl oz	ml	fl oz	ml
20.8	625	41.7	1250

Warranty Disclaimer

DowElanco warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in strict accordance with the directions, subject to the inherent risks set forth below. DowElanco MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.

Inherent Risks of Use

It is impossible to eliminate all risks associated with use of this product. Plant injury, lack of performance, or other unintended consequences may result because of such factors as use of the product contrary to label instructions (including conditions noted on the label, such as unfavorable temperatures, soil conditions, etc.), abnormal conditions (such as excessive rainfall, drought, tornadoes, hurricanes), presence of other materials, the manner of application, or other factors, all of which are beyond the control of DowElanco or the seller. All such risks shall be assumed by buyer.

8 of 8

Limitation of Remedies

The exclusive remedy for losses or damages resulting from this product (including claims based on contract, negligence, strict liability, or other legal theories), shall be limited to, at DowElanco's election, one of the following:

- (1) Refund of purchase price paid by buyer or user for product bought, or
- (2) Replacement of amount of product used

DowElanco shall not be liable for losses or damages resulting from handling or use of this product unless DowElanco is promptly notified of such loss or damage in writing. In no case shall DowElanco be liable for consequential or incidental damages or losses.

The terms of the Warranty Disclaimer above and this Limitation of Remedies cannot be varied by any written or verbal statements or agreements. No employee or sales agent of DowElanco or the seller is authorized to vary or exceed the terms of the Warranty Disclaimer or this Limitation of Remedies in any manner.

*Trademark of DowElanco

EPA-accepted 02/26/91