



United States Environmental Protection Agency
Office of Pesticide Programs (H7505C)
Washington, DC 20460

Registration
 Amendment
 Other

OPP Identifier Number
165934

Application for Pesticide:

Section I

1. Company/Product Number Rohm and Haas Co./ 707-201	2. EPA Product Manager D. Edwards	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) KELTHANE^R 4F Flowable Agricultural Miticide	PM# 19	
5. Name and Address of Applicant (Include ZIP Code) Rohm and Haas Company Independence Mall West Philadelphia, PA 19105 <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 type="checkbox"/> Final printed labels in response to Agency letter dated _____
<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.)

Comply with PR 93-3 and changes per EPA letter dated 7/10/92.

NOTIFICATION LABEL NOT REVIEWED PER PR NOTICE 89-5
DATE: 7/12/93

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		<input type="checkbox"/> Metal	<input type="checkbox"/> Plastic
	If "Yes," Unit Package wgt	No. per container	If "Yes," Package wgt.	No. per container	<input type="checkbox"/> Glass
					<input type="checkbox"/> Paper
					<input type="checkbox"/> Other (Specify) _____
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) of 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 Ann M. Tillman, Ph.D.	Title Product Registration Mgr.	Telephone No. (Include Area Code) 215-592-5105
2. Signature 		6. Date Application Received (Stamped)
3. Title Product Registration Manager		
4. Typed Name Ann M. Tillman, Ph.D.	5. Date June 24, 1993	

KELTHANE® 4F

FLOWABLE AGRICULTURAL MITICIDE



FOR AGRICULTURAL USE ONLY

NOTIFICATION
LABEL NOT REVIEWED
PER PA NOTICE 88-8
DATE 7/12/93

ACTIVE INGREDIENT

Dicofol

1,1-Bis(chlorophenyl)-2,2,2-trichloroethanol.....41%*

INERT INGREDIENTS.....59%

TOTAL.....100%

*Equivalent to 4 lbs. active ingredient per gallon.

This product contains the toxic inert ingredient formaldehyde.

EPA REG. NO. 707-201

EPA EST NO. 707-PA-1

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NOTICE: Before using this product, read the entire Precautionary Statements, Conditions of Sale and Warranty, Directions for Use, Use Precautions, and Storage and Disposal Instructions on this label. If the Conditions of Sale and Warranty are not acceptable, return the product unopened within thirty days of purchase to the place of purchase.

KEEP OUT OF REACH OF CHILDREN

WARNING AVISO

PRECAUCION AL USUARIO: Si usted no lee inglés, no use este producto hasta que la etiqueta haya sido explicada ampliamente.

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING

Causes substantial but temporary eye injury and skin irritation. Harmful if swallowed or inhaled. Do not get in eyes, on skin or on clothing. **Skin contact with this pesticide may be hazardous; wear chemical-resistant gloves when mixing, loading, or applying this product. This product is a skin sensitizer.** Repeated exposure may cause allergic reaction in some individuals. If allergic reaction should occur, discontinue use and see a physician. Avoid breathing spray mist. Wear goggles or face shield when applying. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

*Added
per EPA
letter*

STATEMENT OF PRACTICAL TREATMENT

IF IN EYES: Flush with plenty of water. Get immediate medical attention.

IF INHALED: Move subject to fresh air.

IF ON SKIN: Wash with plenty of soap and water. Get medical attention if irritation continues.

IF SWALLOWED: Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Avoid alcohol and fat-based liquids like milk. Get medical attention. Do not induce vomiting or give anything by mouth to an unconscious person.

NOTE TO PHYSICIAN: Adrenergic amines may cause myocardial irritability in the presence of chlorinated hydrocarbons, and convulsions may be a prominent symptom of poisoning.

ENVIRONMENTAL HAZARD

This pesticide is toxic to fish. For terrestrial uses, do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark.

Do not apply when weather conditions favor drift from areas treated.

Do not contaminate water by cleaning of equipment or disposal of equipment washwaters.

Changed per 7/2 95-3

→ Changed per EPA letter

CONDITIONS OF SALE AND WARRANTY

Rohm and Haas warrants that the product conforms to its chemical description and is reasonably fit for the purpose stated on the label only when used in accordance with label directions under normal conditions of use. **ROHM AND HAAS MAKES NO OTHER EXPRESS OR IMPLIED WARRANTIES EITHER OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE.** Handling, storage and use of the product by Buyer or User are beyond the control of Rohm and Haas and Seller. Risks such as crop injury, ineffectiveness or other unintended consequences resulting from, but not limited to, weather or soil conditions, presence of other materials, disease, pests, drift to other crops or property or failure to follow label directions will be assumed by the Buyer or User. **IN NO CASE WILL ROHM AND HAAS OR SELLER BE HELD LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE HANDLING, STORAGE OR USE OF THIS PRODUCT.**



RE-ENTRY AND WORKER PROTECTION STATEMENTS

Do not enter treated areas without protective clothing until sprays have dried. Because certain states may require more restrictive re-entry intervals for various crops treated with this product, consult your State Department of Agriculture for further information. 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. Written or oral warnings must be given to workers who are expected to be in a treated area or in an area about to be treated with this product. Oral warnings must be given if there is reason to believe that written warnings cannot be understood by workers. When oral warnings are given, warnings shall be given in a language customarily understood by workers. Written warnings must include the following information:

WARNING

(Insert area or field description) treated with KELTHANE 4F on (insert date of application). Do not enter treated areas without protective clothing until sprays have dried. In case of accidental exposure: Call a doctor (physician), clinic or hospital immediately. Explain that the victim has been exposed to KELTHANE 4F and describe his condition. For further information see the "Statement of Practical Treatment."

Oral warnings must include the same information that is in the written warnings.

CHEMIGATION

Do not apply this product through any type of irrigation system.

DIRECTIONS FOR USE

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

GENERAL INFORMATION

KELTHANE 4F miticide is a flowable formulation that gives high initial kill against most species of agricultural mites, including the following:

- | | | |
|---------------------|--------------|--------------------------|
| apple rust | desert | six-spotted |
| Bermuda | dryberry | spruce |
| brown | European red | strawberry (Atlantic) |
| Carmine | McDaniel | Texas citrus |
| citrus flat | Pacific | tomato russet |
| citrus red (purple) | peach silver | tropical |
| citrus rust | plum nursery | two-spotted (red spider) |
| clover | privet | Willamette |
| cyclamen | Schoene | yellow (carpini) |
| | | Yuma |

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KELTHANE 4F miticide is a specific miticide and will not kill bees and beneficial insect predators, when used as recommended.

KELTHANE 4F miticide may be applied in dilute or in concentrate ground sprays. Coverage on the underside of leaves is especially important. For further details, see specific recommendations in these use directions, then consult current State Agricultural Experiment Station spray schedules or State Extension Service Specialists for additional details on compatibility, dosage, timing and uses.

PESTICIDE COMPATIBILITY

KELTHANE 4F miticide is believed to be compatible with most commonly used insecticides and fungicides with the exception of the following: lime and other highly alkaline materials, Cyprex® fungicide, and Alar® 85 growth regulator. In addition, KELTHANE 4F should not be used with Glyodin fungicide in late cover sprays in apples.

USE PRECAUTIONS

- Read and observe all label directions including use precautions before using.
- Use only for recommended purposes and at recommended rates.

CROP RECOMMENDATIONS

APPLES – Apple rust, clover, European red, McDaniel, Pacific, Schoene, two-spotted, Willamette and yellow (carpini) mites.

Dosage – For dilute sprays use 3/4 to 1 pint KELTHANE 4F miticide per 100 gallons. Use the 1 pint rate per 100 gallons spray for large trees or heavy mite populations. KELTHANE 4F miticide is recommended at a minimum rate of 3 pints per acre in either dilute or concentrate sprays. The maximum rate for KELTHANE 4F miticide is 8 pints per acre. For concentrate ground applications use 3 to 8 pints of KELTHANE 4F miticide per acre depending on the size and number of trees per acre, foliage density and mite pressure. When heavy mite populations are encountered, two successive sprays applied 7 to 10 days apart are recommended.

Application – Dilute applications should be made in sufficient volume to provide thorough coverage of all parts of the tree. Concentrate applications are recommended at 50 gallons of water per acre or greater with sufficient air volume to provide thorough coverage of all tree parts. The amount of KELTHANE 4F miticide applied per acre should be the same whether dilute or concentrate sprays are used.

Timing of Application – Applications are recommended in the second or later cover sprays at the first sign of mite buildup. Repeat applications should be made as necessary for adequate season control.

Use Restrictions -- Apples

- Do not apply KELTHANE 4F miticide to Idared variety before the second cover spray.
- Applications of KELTHANE 4F miticide to Golden Delicious varieties should not exceed 4 pints per acre per spray.
- Do not apply KELTHANE 4F miticide within 7 days of harvest.
- Refer to label section for pesticide compatibility.

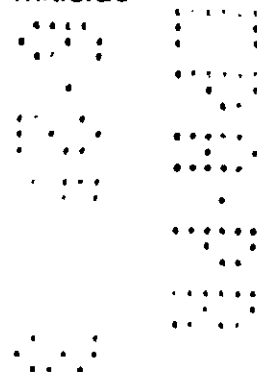
BEANS (dry) -- CALIFORNIA ONLY -- Pacific, tomato russet, tropical and two-spotted mites. Use 3 pints per acre. Apply at first sign of mite buildup and repeat as necessary. Do not apply within 21 days of harvest. Do not feed treated vines (or crop residues) to meat or dairy animals.

BEANS (dry) -- Pacific, tropical and two-spotted mites. Use 3/4 to 1 pint per acre. Apply at first sign of mite buildup and repeat if necessary. Do not apply within 7 days of harvest. Do not feed treated vines (or crop residues) to meat or dairy animals.

CITRUS (grapefruit, kumquats, lemons, limes, oranges, tangelos, tangerines) -- Citrus flat, citrus red, citrus rust, six-spotted, Texas citrus and Yuma mites. Apply in full coverage sprays using 1 pint per 100 gallons of dilute spray (2 gallons maximum per acre). If concentrate sprays are used, adjust dosage accordingly. Apply when mites appear in threatening numbers and repeat as required for satisfactory control. Do not apply within 7 days of harvest.

COTTON -- Desert, Pacific and two-spotted mites. Use 1 to 1 1/2 quarts per acre, depending on size of plant and density of foliage. Apply in sufficient water to provide thorough coverage. Begin application when mites are first noted and repeat if necessary, and do not apply within 14 days of harvest. Do not feed cotton stalks or trash to meat or dairy animals.

CUCURBITS (CANTALOUPE, CUCUMBERS and SQUASH) (Winter and Summer) -- For Pacific and two-spotted mites. Use 2/3 to 1 1/8 pints KELTHANE 4F miticide per acre in sufficient water to provide thorough coverage of all plant parts. Adjust spray nozzles to provide adequate coverage to underside of leaves. Use the higher maximum use rate of 1 1/8 pints when vines begin to cover ground. Make applications at first sign of mite buildup and repeat if necessary. Do not feed treated vines or crop residues to meat or dairy animals. Do not apply KELTHANE 4F miticide within 2 days of harvest.



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HOPS – For Pacific and two-spotted mites. Use 2 to 2 1/3 pints KELTHANE 4F miticide per acre in sufficient water to provide full coverage to all plant parts. Use lower recommended dosage rate when plants are small and increase dosage rate with development of vines. Apply at first sign of mite buildup and repeat when necessary. Do not apply KELTHANE 4F miticide within 7 days of harvest. Do not feed treated vines or crop residues to meat or dairy animals.

MINT (peppermint for oil production) – For two-spotted mites. Use 1 3/4 to 2 1/3 pints KELTHANE 4F miticide per acre in sufficient water for thorough coverage. Make application when mites become active. Do not apply within 30 days of harvest and do not make more than one application per crop per season. Do not feed treated fresh or spent hay to livestock.

NOTE: KELTHANE 4F miticide may be used without any spreader-sticker. When necessary to improve the spray coverage on foliage difficult to wet and to smooth out spray deposits on maturing fruit, LATRON B-1956 is recommended. Other suitable pesticide spreader-stickers may also be used except in situations where LATRON B-1956 is recommended as the only acceptable spreader-sticker.

STORAGE AND DISPOSAL

PROHIBITIONS AND RECOMMENDATIONS: Do not contaminate water, food or feed by storage or disposal.

Open dumping is prohibited. Do not reuse empty container. Keep container closed when not in use.

STORAGE: KEEP FROM FREEZING. STORE AT 32 F-110 F

PESTICIDE DISPOSAL: Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture or rinse 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). Puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Ventilate area. Avoid breathing vapors. Use MSHA/Niosh self-contained breathing apparatus or airline respirator for large spills in confined areas. Dike the spill with inert material (sand, earth, etc.) and transfer the liquid or solid dike material to separate containers for recovery or disposal. Remove contaminated clothing promptly and wash exposed skin areas with soap and water. Wash clothing before reuse. Keep spill out of all sewers and open bodies of water.

ALAR is a registered trademark of Uniroyal, Inc.

CYPREX is a registered trademark of American Cyanamid Company.

KELTHANE[®] and LATRON B-1956[™] are trademarks of Rohm and Haas Company

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**ROHM
&
HAAS
COMPANY**

June 24, 1992

Mr. Dennis Edwards
Registration Division (TS-767C)
U.S. Environmental Protection Agency
Crystal Mall #2
1921 Jefferson Davis Highway
Arlington, VA 22202

Dear Mr. Edwards:

Subject: Kelthane 4F Agricultural Miticide
EPA Registration No. 707-201
Notification of Compliance with PR 93-3
Other Nonsubstantive Label Changes

In accordance with the recently issued PR Notice 93-3, the current language in the Environmental Hazards section has been changed. The sentence "For terrestrial uses, do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark." has been added and the current sentence "Do not apply directly to lakes, streams or ponds." has been deleted. The change is highlighted in the revised copy of the enclosed label. Since the wording adopted was exactly as given in the PR notice, this change may be made by notification to EPA.

In addition to the change noted above, the tradename TRITON, when referenced in the label, has been changed to LATRON. LATRON is the new tradename given to TRITON spray adjuvants manufactured by Rohm and Haas Co.

The statement in the Environmental Hazards section has been changed per your letter dated July 10, 1992 from "disposal of wastes" to "disposal of equipment washwaters."

Mr. Dennis Edwards
June 24, 1993

2.

Under the Crop Recommendations section, the use on grapes has been deleted per a previous label amendment. The FR notice on this use deletion issued November 4, 1992.

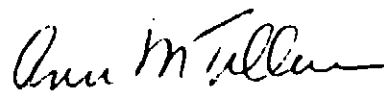
The Storage and Disposal section has not been updated per your letter of July 10, 1992 because the formulation is still a liquid and not a dry powder or granular product.

To support the label notification, a copy of the following is enclosed:

- Five (5) copies of the revised label. One copy of the revised label and one copy of the currently approved label is highlighted to show the changes proposed.
- An application for label amendment, EPA Form 8570-1

If you have any questions about this notification, please contact me at (215) 592-3102.

Sincerely,



Ann M. Tillman, Ph. D.
Product Registration Manager
Agricultural Chemicals Registration
and Regulatory Affairs

Enclosures

