

JAN 7 1992

Mr. John J. Wrubel  
Makhteshim-Agan (America) Inc.  
245 Fifth Avenue  
Suite 1901  
New York, New York 10016

Dear Mr. Wrubel:

Subject: Corrected Labeling  
Pyrinex 4EC  
EPA Registration Number 11678-46  
Your Submission Dated October 1, 1991

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable, and a stamped copy is enclosed for your records.

We have again reviewed the Confidential Statement of Formula (CSF) and compared it to your label claim for the active ingredient. The calculations you have presented in this submission in support of the label claim are incorrect. Please refer again to our letter of July 2, 1991. You have correctly calculated the nominal concentration,  $N=46.76\%$ . This value should be the label claim. The upper and lower certified limits (columns 14a and 14b, respectively, on the CSF) are calculated from the nominal as follows:

$$\text{Upper: } N + 3\%N = 46.76 + 3\%(46.76) = 46.76 + 1.4 = 48.16\%$$

$$\text{Lower: } N - 3\%N = 46.76 - 3\%(46.76) = 46.76 - 1.4 = 45.36\%$$

Please refer to Title 40 of the Code of Federal Regulations, Section 158.175 (40CFR158.175) for further details on calculating upper and lower certified limits. You must revise your label and the CSF to agree with the calculated nominal value and the certified limits presented above, or, if you wish to retain the label claim at 43.95%, you must revise the CSF.

A new CSF and/or revised label should be submitted within 75 days. If you have any questions, please call me at (703)-305-6386.

Sincerely yours,

DHE

Dennis H. Edwards, Jr.  
Product Manager (19)  
Insecticide-Rodenticide Branch  
Registration Division (H7505C)

Enc.

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**To Be Applied Only by or Under the Direct Supervision of Pest Control Operators Responsible for Insect Control Programs. Sale to or Use by Persons Owning or Occupying a Dwelling is Strictly Prohibited.**

# PYRINEX 4EC

## Crack and Crevice Treatment

**ACTIVE INGREDIENT:**

Chlorpyrifos: [0,0-diethyl 0-(3,5,6-trichloro-2-pyridyl) phosphorothioate].....43.95%

**INERT INGREDIENTS:** (Contains xylene range aromatic solvent).....56.05%

**TOTAL:**.....100.00%

Contains 4.0 pounds active ingredient per gallon.

**KEEP OUT OF REACH OF CHILDREN**

### WARNING - AVISO

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

### STATEMENT OF PRACTICAL TREATMENT

**IF SWALLOWED:** Call a physician or Poison Control Center immediately. Do not induce vomiting. Contains an aromatic petroleum solvent. Do not give anything by mouth to an unconscious person.

**IF ON SKIN:** Immediately wash with plenty of soap and water. Get medical attention if irritation persists.

**IF IN EYES:** Immediately flush with plenty of water. Get medical attention if irritation persists.

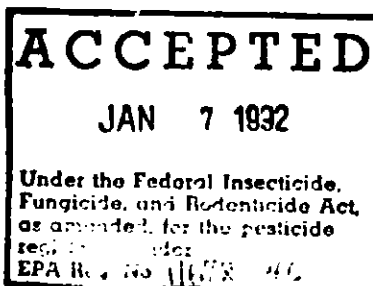
**IF INHALED:** Remove victim to fresh air. If symptoms of cholinesterase inhibition appear (i.e., HEADACHE, DIZZINESS, WEAKNESS, INCOORDINATION, MUSCLE TWITCHING, TREMOR, NAUSEA, ABDOMINAL CRAMPS, DIARRHEA, OR SWEATING) get medical attention immediately.

**NOTE TO PHYSICIAN:** Chlorpyrifos is a cholinesterase inhibitor. Treat symptomatically. If exposed, plasma and red blood cell cholinesterase tests may indicate significance of exposure (baseline data are useful). Atropine, only by injection, is the preferable antidote. Oximes, such as 2-PAM/protopam, may be therapeutic if used early, however, use only in conjunction with atropine. In case of severe acute poisoning, use antidote immediately after establishing an open airway and respiration.

See other pages for additional Precautionary Statements.

**Net Contents: 2.5 Gallons**

Manufactured by:  
Makhteshim Chemical Works Ltd.  
c/o Makhteshim-Agan (America) Inc.  
245 Fifth Avenue, Suite 1901  
New York, N.Y. 10016



E.P.A. Registration No. 11678-46  
E.P.A. Est. No. 11678-IS-01

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

#### WARNING

May be fatal if swallowed. May cause eye and skin irritation. Harmful if inhaled or if absorbed through the skin. Avoid contact with eyes, skin or clothing. Avoid breathing vapors or spray mist. Handle concentrate in a ventilated area. Wash thoroughly with soap and water after handling and before eating or smoking. Remove contaminated clothing and wash before reuse.

#### PHYSICAL AND CHEMICAL HAZARDS

**COMBUSTIBLE** - Do not store or use near heat or open flame.

**ENVIRONMENTAL HAZARDS** - This pesticide is toxic to birds and wildlife, and extremely toxic to fish and aquatic organisms. Do not apply directly to water. Drift and runoff from treated areas may be hazardous to aquatic organisms in adjacent aquatic sites. Cover or incorporate spills. Do not contaminate water by disposal of equipment washwaters.

#### DIRECTIONS FOR USE

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

#### General Information

**Safe Handling Procedures:** Wear protective clothing when using or handling this product to help avoid exposure to eyes and skin. As a minimum, chemical workers' goggles, neoprene or natural rubber gloves and footwear, a long-sleeved shirt and long-legged pants or coveralls are recommended. To avoid breathing spray mist during application in confined areas, wear a mask or respirator of a type recommended by NIOSH for filtering spray mists and organic vapors.

**Attention:** Do not allow adults, children or pets on treated areas until spray has dried. Keep out of fishpools and other bodies of water. Do not treat vegetable gardens. Do not allow livestock to graze in treated areas. Do not feed treated grass cuttings (hay) or seed screenings to livestock nor use hay for livestock bedding. Do not use in poultry houses.

#### PEST CONTROL INDOORS

Use PYRINEX 4EC Insecticide to control pests listed in the following table by applying at the recommended dosages. Use a 0.25% spray to control light infestations and a 0.5% spray to quickly reduce heavy infestations or as directed. To prepare the spray, dilute PYRINEX 4EC Insecticide with water or with a suitable base oil. Use only deodorized kerosene for oil-based sprays.

Applications may be made within residential buildings, including homes and apartment buildings. Applications may be made within mausoleums and nonfood areas of industrial, institutional, and commercial buildings, including hospitals, stores, manufacturing plants, and warehouses.

Apply as a coarse, low pressure spray (20psi or less) or with a paint brush to localized areas and nonfood areas. Treat where insects are found or normally occur, including dark corners of rooms and closets; floor drains; cracks and crevices in walls; along and behind baseboards; beneath and behind sinks, stoves, refrigerators, refrigerator units, and cabinets; and around plumbing and other utility installations.

**NOTE:** Where quick "knockdown" and/or "flushing action" is desired, pyrethrins may be added to the spray mixture containing PYRINEX 4EC insecticide. For best results, use pyrethrins at 0.25% in water-based sprays and 0.05% in oil based sprays. Consult labeling for pyrethrin products used to determine the amount needed to give the desired spray concentration. Also read and observe all use and handling precautions for these products. Mixtures of PYRINEX 4EC insecticide and pyrethrins should not be sprayed on carpets. Do not apply water-based sprays of this product in conduits, motor housings, junction and switch boxes, or other electrical equipment because of possible shock hazard. If there is need to treat such areas, use only oil-based sprays. Prior to application, de-energize electrical equipment. After application allow time for oil to evaporate before starting motors or placing switches in the "on" position.

Do not allow spray to contact food, feedstuffs, or water supplies. Thoroughly wash dishes and food handling utensils with soap and water if they become contaminated by application of this product. Do not allow children or pets to contact treated surfaces until spray has dried. Remove pets and cover fish bowls (tanks) before spraying. Do not introduce the spray into the air or allow the spray to contact food or food-contacting surfaces.

### **Pests Controlled, Mixing Directions and Special Notes:**

**PYRINEX 4EC 0.25% or the 0.5% spray can be used for all pests listed below:**

- . Ants /1
- . Cockroaches
- . Confused Flour Beetle
- . Crickets
- . Earwigs
- . Firebrats
- . Indian Meal Moth
- . Mediterranean Flour Moth
- . Millipedes
- . Red Flour Beetles
- . Rice Weevils
- . Saw-toothed Grain Beetles
- . Silverfish
- . Spiders

**Use only PYRINEX 4EC 0.5% Spray for the following:**

- . Brown Dog Ticks /2
- . Carpet Beetles /3
- . Clover Mites

#### **Notes:**

General - Use the 0.25% rate to control light infestations and the 0.5% to quickly reduce heavy infestations or for extended residual control.

/1. For ants apply to ant trails and around doors and windows and wherever else the pest may find entrance.

/2. For the control of Brown Dog Ticks, thoroughly apply the spray as a spot treatment to infested areas, such as pet beds and resting quarters; nearby cracks and crevices; along baseboards, windows and door frames, and localized areas of floor and floor coverings where these pests may be present. Old bedding should be removed and replaced with clean, fresh bedding after treatment. Do not treat pets with this product.

/3. For control of carpet beetles, thoroughly apply the spray as a spot treatment along baseboards and edges of carpeting, rugs and furniture, in closets and on shelving, and wherever else these insects are seen or suspected.

#### **Mixing Directions:**

##### **Water-based Spray**

- . For 0.25% Spray - Mix 2/3 fluid ounce or 20 ml of PYRINEX 4EC per gallon.
- . For 0.5% Spray - Mix 1 1/3 fluid ounce or 40 ml of PYRINEX 4EC per gallon.

##### **Oil-based Spray**

- . For 0.25% Spray - Mix 1/2 fluid ounce or 15 ml of PYRINEX 4EC per gallon.
- . For 0.5% Spray - Mix 1.0 fluid ounce or 30 ml of PYRINEX 4EC per gallon.

## STORAGE AND DISPOSAL

**STORAGE:** Avoid storage at high temperatures. Protect from moisture. Avoid contamination with water, acids, or alkalis. Do not store near heat or open flame. Keep container closed. Store in original container in a locked storage area.

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

**PESTICIDE DISPOSAL:** Rinse spray equipment. Any pesticide, spray mixture, or rinse water that cannot be used according to label instructions or chemically reprocessed should be disposed of in a landfill approved for pesticides.

**CONTAINER DISPOSAL:** Triple rinse (or equivalent), perforate rinsed containers and offer for disposal in a landfill approved for pesticide containers. Do not reuse containers. Do not cut or weld container.

**GENERAL:** Consult Federal, state, or local disposal authorities for approved alternative procedures.

## WARRANTY STATEMENT

**NOTICE:** Seller warrants that the product conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with directions under normal conditions of use, but neither this warranty nor any other warranty of **MERCHANTABILITY** or **FITNESS FOR A PARTICULAR PURPOSE**, express or implied, extends to the use of this product contrary to label instruction or under abnormal conditions or under conditions not reasonably foreseeable to seller, and buyer assumes the risk of any such use.