

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460



OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

Dec 4, 2000

Ms. Anne Stout
Makhteshim-Agan of North America Inc.
551 Fifth Ave, Suite 1100
New York, NY 10176

Subject: Pyrinex Chlorpyrifos 2E Insecticide
EPA Reg No.: 66222-6
Submission dtd Nov 6, 2000

Dear Ms. Stout:

The label referred to above, submitted in connection with the Chlorpyrifos Memorandum of Agreement (MOA), is acceptable, provided you make the labeling change indicated before you release the product for shipment bearing the approved labeling:

1) On page 1, after "Protective eyewear" add the following "(goggles, face shield, or safety glasses with front, brow and temple protection)".

If the conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). If you have questions, please contact Marianne Lewis at (703) 308-8043 or electronically at Lewis.Marianne@EPA.gov.

Sincerely,

A handwritten signature in black ink, appearing to read "Dennis McNeilly".

Dennis McNeilly, Chemist
Insecticide-Rodenticide Branch
Registration Division

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 APPLICATORS
CERTIFICATION.

PYRINEX
CHLORPYRIFOS 2E INSECTICIDE

ACTIVE INGREDIENT:	% BY WT.
Chlorpyrifos: 0,0 diethyl 0-(3,5,6-trichloro-2-pyridyl) phosphorothioate	24.5%
INERT INGREDIENTS:	75.5%
	TOTAL 100.0%

Contains 2 pounds of chlorpyrifos per gallon.
Contains xylene.

KEEP OUT OF REACH OF CHILDREN
WARNING

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: Do not induce vomiting. Call a physician immediately.
IF ON SKIN: In case of contact remove contaminated clothing and immediately wash skin with soap and water.
IF IN EYES: Flush eyes with plenty of water. Call a physician.
NOTE TO PHYSICIAN: Active ingredient is a cholinesterase inhibitor. Treat symptomatically. Atropine is antidotal.

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
WARNING

May be fatal if swallowed. Combustible liquid. May be absorbed through the skin. May be injurious to the eyes and skin. Do not get in eyes or on skin. Avoid breathing spray mist or vapors.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

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

Applicators and other handlers must wear:

- Coveralls over short-sleeved shirt and short pants
- Chemical-resistant gloves, such as barrier laminate or Viton (≥ 14 mils)
- Chemical-resistant footwear plus socks
- Protective eyewear
- Chemical-resistant headgear for overhead exposure
- Chemical-resistant apron when cleaning equipment, mixing, or loading
- Dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C), or a NIOSH approved respirator with any R, P, or HE filter

ACCEPTED
with COMMENTS
In EPA Letter Dated:
DEC 4 2000
Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under EPA Reg. No.
66222-6

ENVIRONMENTAL HAZARDS

This product 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 apply when weather conditions favor drift from areas treated. Apply this product only as specified on this label. PYRINEX 2E Insecticide is toxic to shrimp and crabs. Do not apply to water containing valuable crustaceans. Consult your State Fish and Game Department before using this product for mosquito control. This product is highly toxic to bees exposed to direct treatment or residues on plants. Protective information may be obtained from your Cooperative Agricultural Extension Service.

PHYSICAL OR CHEMICAL HAZARDS

Do not use, pour, spill or store near heat or open flames. Handle concentrate in ventilated areas.

NET CONTENTS: ___ GALLON(S)

EPA Reg. No. 66222-06
EPA Est. No. 11603-IS-01

Makhteshim-Agan of North America, Inc.
551 Fifth Avenue, Suite 1100
New York, NY 10176

DIRECTIONS FOR USE

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

ANT CONTROL: Use PYRINEX 2E Insecticide as a spot treatment to control ants. Apply to ant trails around the exterior of doors and windows in industrial plants. Dilute PYRINEX 2E with water or with a suitable base oil to make 0.25% or 0.50% chlorpyrifos spray as shown in the following SPRAY DILUTION CHART. Repeat the treatment as needed.

GALLONS OF SPRAY MIXTURE DESIRED	SPRAY DILUTION CHART FLUID OUNCES* OF PYRINEX 2E TO USE		
	Water-base Spray:	0.25% spray	0.50% spray
1		1 ¼	2 2/3
3		4	8
5		6 2/3	13 1/3
10		13 1/3	26 2/3
Oil base spray**			
1		1	2
3		3	6
5		5	10
10		10	21

* Note: 1 fluid ounce = 6 teaspoonfuls

**Calculated on basis of deodorized kerosene

AREA CONTROL OF TICKS: Use PYRINEX 2E to control ticks infesting ~~non-crop land areas such as~~ road medians, where these are present and create a nuisance or possible public health problem. Apply PYRINEX 2E in water at the rate of 1 pint per acre (equivalent to 1 fluid ounce per 2,700 sq. ft.) using a hydraulic sprayer, mist applicator, knapsack sprayer, or other suitable hand or power spray equipment. Treat low underbrush, grassy areas, weeds and ground surface and debris using enough spray volume to obtain thorough coverage, usually 40 to 100 gallons per acre.

NOTICE (Area Control of Ticks): Do not enter or allow others to enter the treated area until sprays have dried. Do not apply when weather conditions favor drift from treated areas. Do not apply where runoff into lakes, streams, ponds or other bodies of water is likely to occur. Fish and crustaceans may be killed if their wastes are contaminated with this product.

MOSQUITOES: For use in public health programs only by state, county, local, or other Public Health Agencies and their contractors. Apply PYRINEX 2E mixed in the amount of water or oil required to give uniform coverage of mosquito infested non-crop areas according to conditions and rates shown in the following table.

CONDITIONS AND RATES TO USE FOR MOSQUITO CONTROL

Condition of Area to be Treated	Amount to Use Per Acre		Number Acres one Gal. PYRINEX 2E will Treat
	Fluid Ounces	Pounds Actual Pyrinex	
Adult Control-Light to Medium Vegetative Cover	1.6	0.025	80
Adult Control-Medium to Heavy Vegetative Cover	3.2*	0.05	40

* The higher dosage will also give faster knockdown and longer residual control where there is little or no vegetative cover. Under such conditions this dosage should be used only where there are no fish or crustaceans or where the loss of fish, crustaceans, or lower components of the food chain would not be significant.

NOTICE: PYRINEX 2E Insecticide is toxic to shrimp, crabs, and fish. Do not apply to water containing valuable crustaceans and fish. Consult your State Fish and Game Department

FIRE ANTS: Mix at the rate of 1 fl. oz. per 2 gals. water and apply 1 gal. of solution per mound. Thoroughly wet the mound and surrounding areas to a 4 ft. diameter. For best results apply in cool weather (65-80° F) or in early morning or late evening hours. Treat new mounds as they appear. Applications should be made in gentle rain from a sprinkler can or using a low-pressure spray since pressurized sprays may disturb the ants causing migration and reducing product effectiveness.

STORAGE AND DISPOSAL

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

PESTICIDE 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.

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. Or, Triple rinse (or equivalent). Then puncture and dispose in a sanitary landfill, or by incineration or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

WARRANTY STATEMENT

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. Buyer assumes all risks of use, storage or handling of this material not in strict accordance with directions given herewith.

Pyrinex™ is a trademark of Makhteshim-Agan.