

PA 07
51036-303
01. 28. 99



U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division, 7500
401 "M" St., E.W.
Washington, D.C. 20460

EPA Reg. Number:
51036-303

Date of Issuance:
1/28/99

NOTICE OF PESTICIDE:
 Registration
 Reregistration

Term of Issuance:
Conditional

Name of Pesticide Product:
Chlorpyrifos 5.3%

(under FIFRA, as amended)

Name and Address of Registrant: include ZIP Code:
Micro-Flo Co.
P.O. Box 772099
Memphis, TN 38177
ATTN: Mr. M. Gaskins

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 (FIFRA).

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 Section 3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration of your product under FIFRA Section 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 following label changes before you release the product for shipment:
 - a. Revise the EPA Registration Number to read, "EPA Reg. No. 51036-303."
3. Submit one copy of the revised final printed label before releasing the product for shipment.

Signature of Approving Official:

Dennis McNeilly
Insecticide-Rodenticide Branch

Date:
January 28, 1999

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

If the conditions enumerated above 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.

Please contact me on (703) 308-5404 if you have questions regarding this registration.

Sincerely,



Dennis McNeilly
Insecticide-Rodenticide Branch
Registration Division (7505C)

Enclosure 1) Stamped Label

CHLORPYRIFOS 5.3%

OUTDOOR PESTS: Ants, Armyworms, Chiggers, Chinch Bugs, Crickets, Cutworms, Dichondra Flea Beetle, Earwigs, European Crane Fly (Larvae), Fiery Skipper Larvae, Fleas, Grasshoppers, Imported Fire Ants, Millipedes, Sod Wedworms (Lawn Moth Larvae), Sowbugs (Pillbugs), Ticks, and Other Insects.

Controls: Imported Fire Ants and mosquitos

Active Ingredient:

Chlorpyrifos [O,O-diethyl O-(3,5,6-trichloro-2-pyridinyl) phosphorothioate]	5.3%
*Inert Ingredients	94.7%
Total:	100.0%

*Contains Petroleum Distillate

KEEP OUT OF REACH OF CHILDREN

CAUTION

FIRST AID

IF SWALLOWED - Call a physician or get medical attention. Do not induce vomiting. Do not give anything by mouth to an unconscious person. Avoid alcohol.

IF ON SKIN - Wash skin with soap and water.

IF IN EYES - Wash eyes with plenty of water. If irritation continues, see a doctor.

NOTE TO PHYSICIAN: Emergency Information - call 1-800-454-2333. Chlorpyrifos is a cholinesterase inhibitor. Atropine is antidotal. 2-PAM is also antidotal and may be used in conjunction with atropine but should not be used alone.

See back panel booklet for additional precautionary statements.

EPA Reg. No. 51036-GNG/303

EPA Est. No. 51036-GA-01

NET CONTENTS: _____

Manufactured By:
MICRO FLO COMPANY
P.O. BOX 5948
LAKELAND, FL 33807

ACCEPTED
with COMMENTS
in EPA Letter Dated:
JAN 28 1999
Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under EPA Reg. No.
51036-303

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS & DOMESTIC ANIMALS

CAUTION

Harmful if swallowed or absorbed through the skin. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Keep children and pets off treated areas until spray has dried.

STORAGE AND DISPOSAL

STORAGE: Keep pesticide in original container. Do not put concentrate or dilute into food or drink containers. Avoid contamination of feed and foodstuffs. Store in a cool, dry place, preferably in a locked storage area. Do not store diluted spray.

DISPOSAL: PRODUCT- Partially filled bottle may be disposed of by securely wrapping original container in several layers of newspaper and discard in trash.

CONTAINER - Do not reuse empty bottle. Rinse thoroughly before discarding in trash. [For Ready-spray configuration which has sprayer head attached, and thus cannot be rinsed] - Wrap bottle and put in trash.

ENVIRONMENTAL HAZARDS

This product is toxic to fish, birds, and other wildlife. Keep out of any body of water. Do not apply where runoff is likely to occur. Do not apply when weather conditions favor drift from areas treated. Do not contaminate water when disposing of equipment washwaters. This product is highly toxic to bees exposed to direct treatment or residue on plants. Protective information may be obtained from your Cooperative Agricultural Extension Service.

PHYSICAL OR CHEMICAL HAZARDS

Do not use or store near heat or open flame. Handle concentrate in a ventilated area.

DIRECTION FOR USE

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

READ ENTIRE LABEL. USE STRICTLY IN ACCORDANCE WITH LABEL

Users should use appropriate protecting clothing when mixing and applying product. Minimum protective clothing would be long sleeved shirt, long-legged pants, water proof gloves and shoes plus socks. Users should wash outside of gloves prior to removal.

TABLE OF EQUIVALENT MEASURES

TEASPOONS	TABLESPOONS	FLUID OUNCES	CUPS
3	1	1/2	-
6	2	1	-
-	4	2	1/8
-	8	4	1/4

NOTE: Do not reuse measurement utensils for food use after measuring product.

PEST OUTDOORS

For best results the lawn should be moist at time of application and care should be taken to obtain complete and uniform coverage of pest infested areas. Spray when pests first appear. Re-treat when needed.

For use in hose-end sprayers and pressure type tank sprayers.

HOSE END APPLICATORS

Pour product (undiluted) into sprayer jar. Do NOT add water. Set dial to proper rate . Any unused (undiluted) product can be returned to original container for further use. Use at once.

For best results, lightly sprinkle the lawn with water before applying product. Be sure to spray infested areas evenly. Incomplete coverage can reduce control. Spray when pests first appear.

Follow directions of hose end sprayer for proper connection instructions. Always stretch hose to farthest point of area to be treated before beginning application. Walk at a steady pace while spraying, using an even sweeping motion. Work backwards towards faucet to avoid walking over treated areas. Relieve pressure from sprayer before removing from water hose, being careful to point discharge nozzle of sprayer away from you.

LAWN PESTS

PESTS	AMOUNT TO USE	COMMENTS
Armyworms** Lawn Moth Larvae (Sod Webworms) Dichondra Flea Beetle** Chinch Bugs Cutworms** European Crane Fly (Larvae) Fiery Skipper Larvae (Calif and Hawaii only) Grasshoppers Crickets Chiggers Clover Mites Earwigs Fleas Ticks	1 1/2 teaspoon in 1 gallon of water to cover 30 sq.ft. or 1 tablespoon in 2 gallons of water to cover 60 sq.ft. or 1/2 cup (4 fl oz) in 15 gals. water to treat 500 sq ft.	Mow and water 1 to 2 days before treatment. Spray when pests first appear. Treat <u>entire</u> lawn. Withhold watering for 2 to 3 days following treatment. Repeat treatments may be necessary at 4 to 6 week intervals. For European Crane Fly control, consult your Agricultural Extension Service for proper timing.
White Grubs (Larvae of European Chafer and Japanese Beetle)	1 fl. oz. in 1 gallon of water to cover 30 sq.ft. or 2 tablespoons in 1 gallon of water to cover 30 sq.ft. or 2 cups (16 fl.oz.) in 15 gallons of water to treat 500 sq.ft.	Treat entire lawn. Do not attempt to control lawn pests by spot spraying. Water lawn thoroughly following application to wash the insecticide into the soil. For best results treat when grubs are young and actively feeding near the soil surface, usually during late July and August. Consult your local Agricultural Extension Service specialists for proper time to treat in your area.
Imported Fire Ant	5 Tablespoons (2 1/2 fl.oz.) in 1 gallon of water.	Using a sprinkling can, apply 1 gal to each mound and treat a 4 foot diameter circle around the mound. Apply in cool weather or in early morning or late afternoon. Treat new mounds as they appear.

** Including Dichondra Lawns

NOTE: Do not use on vegetable or food crops. Do not use on azaleas, camellia, poinsettias, rose bushes or variegated ivy because of possible injury to these plants.

FLEA AND TICK CONTROL - (OUTDOORS ONLY, DO NOT USE INDOORS)
 Fleas and ticks frequently become established in lawns and pet resting areas surrounding the home. To control these pests, follow a regular spray program. Spray once a month beginning when pests appear in late spring and continuing until late summer. Spray lawn and shady spots under ornamentals, shrubs, and trees where pets frequent or rest but avoid soaking lowering plants. Temperatures below 50 F reduce the severity of these pests. Eliminating weeds

around the home and mowing lawns reduces hiding places.

TO KILL FLEAS AND TICKS IN LAWNS: For best results, mow and water a day or two before spraying. Spray using a slow, even sweeping motion; be sure to cover entire lawn surface. Do not attempt to control these pests in lawns by spot treating. Immediately after treatment, sprinkle lawn lightly for a few minutes to move insecticide down into grass. Do not water again for 2 days. Also spray spots under ornamentals, shrubs, and trees where pets rest, but do not soak young or flowering plants. Wash off plant foliage with water after treatment.

NOTE: Do not spray animals with this product. Dogs, cats, and their kennels or bedding areas should be treated with a product registered for direct use on pets. If fleas or ticks are indoors, use a product registered for such use. It is very important that all three sites- outdoors, indoors and the pet be treated with appropriate labeled products to achieve control. If any one of these areas is missed, it can serve as a source of reinfestation to the entire premises.

MOSQUITO CONTROL - Mosquitos coming to rest on areas treated for the control of lawn and home invading pests will be killed for varying periods of time after treatment, depending on exposure of treated areas to weathering conditions.

HOME INVADING PESTS (OUTSIDE DWELLINGS)

PESTS	AMOUNT TO USE	COMMENTS
Ants Ticks Earwigs Crickets Sowbugs (Pillbugs) Millipedes Fleas	1 1/2 teaspoon in 1 gallon of water to cover 30 sq.ft. or 1 tablespoon in 2 gallons of water to cover 60 sq.ft. or 1/2 cup (4 fl oz) in 15 gal. water to treat 500 sq ft.	Treat a band of soil 6 - 10 feet wide around and adjacent to the building. Also treat the foundation to a height of 2 - 3 feet when pests are active and may find entrance. Spray directly on ants, ant trails and places where ants enter premises. Thoroughly treat garbage can storage areas, outdoor pet resting areas, around doghouses and pet "bathroom" areas. Do not treat pets with this product.

CONDITIONS OF SALE

All statements concerning the use of this product apply only when used as directed. THE MANUFACTURER MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, CONCERNING THIS PRODUCT OR ITS USE, WHICH EXTEND BEYOND THE DESCRIPTION ON THE LABEL. Read all directions carefully.