

51036-360

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| US ENVIRONMENTAL PROTECTION AGENCY OFFICE OF PESTICIDES PROGRAMS REGISTRATION DIVISION (TS-767) WASHINGTON, DC 20460 | EPA REGISTRATION NO. 51036-360 | DATE OF ISSUANCE MAR 12 2001 |
| | TERM OF ISSUANCE Conditional | |
| NOTICE OF PESTICIDE: <input checked="" type="checkbox"/> REGISTRATION <input type="checkbox"/> REREGISTRATION (Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended) | NAME OF PESTICIDE PRODUCT MCPA Ester 4 Herbicide | |
| | NAME AND ADDRESS OF REGISTRANT (Include ZIP code) Micro Flo Company P.O. Box 772099 Memphis, TN 38117-2099 | |
| NOTE: Changes in labeling formula 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 U.S. 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. A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith. Registration is in no way to be construed as an indorsement or approval of this product by this 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 registered in accordance with FIFRA section 3(c)(7)(A), provided that you: 1. Add the phrase "EPA Registration No. 51036-360" to the label before you release the product for shipment. 2. Submit and/or cite all data required for registration/reregistration of this product when the Agency requires all Registrants of similar products to submit such data. 3. Submit one (1) copy of the final printed label, before you release the product for shipment under the stamped enclosed label. If these conditions 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. A stamped copy of the label is enclosed for your records. Enclosure Joanne I. Miller Product Manager (23) Herbicide Branch Registration Division (7505C) | | |
| <input type="checkbox"/> ATTACHMENT IS APPLICABLE | | |
| SIGNATURE OF APPROVING OFFICIAL [Signature] FOR JOANNE I. MILLER | | DATE MAR 12 2001 |

MAR 12 2001

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.

51036-340

MCPA ESTER 4
Herbicide

Controls broadleaf weeds in small grains, flax, rangeland and pasture, turf and other non-crop areas.

ACTIVE INGREDIENT:

2-ethylhexyl ester of 2-methyl-4-chlorophenoxyacetic acid... 68.8%*

INERT INGREDIENTS: 31.2%

TOTAL:..... 100.0%

*2-methyl-4-chlorophenoxyacetic acid equivalent 4.1% or 3.7 pounds per gallon.
Contains petroleum distillates.

OUT OF REACH OF CHILDREN

CAUTION

FIRST AID

IF INHALED:

- Move person to fresh air.
- If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.
- Call a poison control center or doctor for further treatment advice.

IF ON SKIN OR CLOTHING:

- Take off contaminated clothing.
- Rinse skin immediately with plenty of water for 15-20 minutes.
- Call a poison control center or doctor for treatment advice.

IF IN EYES:

- Hold eye open and rinse slowly and gently with water for 15-20 minutes.
- Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
- Call a poison control center or doctor for treatment advice.

IF SWALLOWED:

- Call a poison control center or doctor immediately for treatment advice.
- Have person sip a glass of water if able to swallow.
- Do not induce vomiting unless told to do so by the poison control center or doctor.
- Do not give anything by mouth to an unconscious person.

See Inside for Additional Precautionary Statements.

EPA Reg. No. 51036-GAN

EPA Est. No. XXXX-XX-XXX

Manufactured For:
MICRO FLO COMPANY
P.O. BOX 772099
MEMPHIS, TN 38117

NOTE TO PHYSICIANS: No specific antidote is available. All treatments should be based on observed signs and symptoms of distress in the patient. Overexposure to materials other than this product may have occurred. This product contains petroleum distillates. This product is irritating to mucous membranes. If large amounts (greater than 1 ml/kg body weight) of the product have been ingested, the stomach should be evacuated by gastric intubation with

the aid of a cuffed endotracheal tube to prevent aspiration of petroleum distillates. After removal of stomach contents, wash stomach by instilling 30 to 50 g of activated charcoal in 3 to 4 ounces of water through the stomach tube and again remove stomach contents. Avoid oily laxatives.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Causes moderate eye irritation. Harmful if swallowed, inhaled or absorbed through the skin. Avoid contact with eyes, skin or clothing. Avoid breathing vapors or spray mists.

EMERGENCY NUMBERS:

- Transportation or spill, call CHEMTREC 800-424-9300.
- Human health, call Poison Control Center at 800-900-4044.
- Animal health, call ASPCA at 800-345-4735.

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 F on an EPA chemical resistance category selection chart.

Applicators and other handlers must wear:

1. Long-sleeved shirt and long pants
2. Chemical resistant gloves such as barrier laminate, butyl rubber, nitrile rubber or viton.
3. Shoes plus socks

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d) (4-6)], the handler PPE (personal protective equipment) may be reduced or modified as specified in the WPS.

USER SAFETY RECOMMENDATIONS

Users should:

1. Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
2. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

ENVIRONMENTAL HAZARDS

This product is toxic to fish. Drift or run-off may adversely affect non-target plants. Do not apply directly to water or to areas where

This product is toxic to fish. Drift or run-off may adversely affect non-target plants. Do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters.

Avoid spray drift to susceptible plants such as cotton, beans, tomatoes, and ornamentals. Coarse sprays are less likely to drift. Do not apply when weather conditions favor drift from treated areas. Avoid use of small diameter spray nozzles. At high air or ground surface temperatures, vapors from this product may injure susceptible crops. Do not use in greenhouses.

GROUND WATER CONTAMINATION

Most cases of groundwater contamination involving phenoxy herbicides such as MCPA have been associated with mixing/loading and disposal sites. Caution should be exercised when handling MCPA pesticides at such sites to prevent contamination of ground water supplies. Use of closed systems for mixing and transferring this pesticide will reduce the probability of spills. Placement of the mixing/loading equipment on an impervious pad to contain spills will help prevent ground water contamination.

CLEANING OF EQUIPMENT

Do not use the same spray equipment for other purposes unless thoroughly cleaned. When cleaning equipment, do not pour washwater on the ground; spray or drain over a large area away from wells and other water sources.

DIRECTIONS FOR USE

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

Read entire label before using this product.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted entry

Do not enter or allow entry into treated areas during the restricted entry interval (REI) of 12 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated such as plants, soil or water is:

1. Coveralls
2. Chemical resistant gloves such as barrier laminate, butyl rubber, nitrile rubber and viton
3. Shoes plus socks

STORAGE AND DISPOSAL

STORAGE: Do not contaminate water, food or feed by storage or disposal. Store in original container in a dry secured storage area. Keep container tightly closed when not in use.

PESTICIDE DISPOSAL: Pesticide wastes are acutely toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law and may contaminate ground water. 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: Metal: 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. Plastic: Triple rinse or equivalent. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration or if allowed by State and local authorities, by burning. If burned, stay out of smoke.

GENERAL PRECAUTIONS AND RESTRICTIONS

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

COMPATIBILITY

If this product is to be tank mixed with other pesticides, compatibility should be tested prior to mixing. To test for compatibility, use a small container and mix a small amount (0.5 to 1 quart) of spray, combining all ingredients in the same ratio as the anticipated use. If any indications of physical incompatibility develop, do not use this mixture for spraying. Indications of incompatibility usually will appear within 5 to 15 minutes after mixing. Read and follow all directions and precautions on this label and on the labels of any product(s) for which a tank mixture is being considered.

GENERAL INFORMATION

This product is effective on a wide range of broadleaf weeds and is useful for controlling these weeds in certain crops. Several crops,

such as flax, oats and small grains are more tolerant of MCPA than they are of 2,4-D.

This herbicide is an isooctyl ester formulation of MCPA that mixes easily in water, even in the hard waters found in some areas. Mix thoroughly while diluting this material and mix again if allowed to stand long before spraying.

WEEDS CONTROLLED BY PROPERLY APPLIED TREATMENTS OF THIS HERBICIDE INCLUDE THE FOLLOWING:

| | |
|-------------------------------|--------------------------------|
| Amaranthus species (pigweeds) | pepperweeds (except perennial) |
| common burdock | plantains |
| common cocklebur | purslanes |
| common lambsquarters | ragweed (common and giant) |
| dandelion | shepherdspurse |
| field pennycress | thistle (bull and Russian) |
| mustard (except blue mustard) | yellow rocket |

INJURY TO CROPS MAY OCCUR FROM THIS PESTICIDE. IF YOU ARE NOT PREPARED TO ACCEPT SOME DEGREE OF CROP INJURY, DO NOT USE THIS PRODUCT.

Crop varieties vary in response to MCPA, and some may be easily injured. Apply this herbicide only to varieties known to be tolerant to MCPA. If you are uncertain concerning tolerant varieties or local use situations that may affect crop tolerance to MCPA, contact your seed company or state Agricultural Extension Service for advice.

RECOMMENDATIONS FOR APPLYING MCPA ESTER 4 HERBICIDE

FLAX

| CROP | AMOUNT OF MCPA ESTER 4 PER ACRE | DIRECTIONS |
|------|---------------------------------------|--|
| FLAX | 1/4 to 1/2 pint | Apply when flax is 2 to 8 inches tall. Do not spray once flax has reached the bud stage. |

RESTRICTIONS AND LIMITATIONS FOR USE ON FLAX

- Do not allow livestock animals to forage or graze treated areas within 7 days of slaughter.
- Use a minimum of 8 gallons per acre for ground application and 3 gallons per acre for aerial application.

CEREAL GRAINS

| CROP | AMOUNT OF MCPA ESTER 4 PER ACRE | DIRECTIONS |
|------|---------------------------------------|------------|
| | | |

| CROP | AMOUNT OF MCPA ESTER 4 PER ACRE | DIRECTIONS |
|---|---------------------------------------|---|
| WHEAT, BARLEY, OATS and RYE (not underseeded with legumes) | | |
| Annual weeds | 1/2 pint | Apply after grain is in the 3 - 4 leaf stage, but not forming joints in the stem. Do not spray in the boot to dough stage. |
| Annual and Biennial weeds | 1 to 1 1/2 pints* | |
| Perennial broadleaf weeds | 1 1/2 pints | Apply after grain is fully tillered (usually about 4 to 8 inches high but not forming joints in the stem). Do not apply in the boot to dough stage. |

* Use the lower rate if small annual and biennial weeds are the major problem. Use the higher rate if perennial weeds or annual and biennial weeds are present which are in the hard-to-kill categories as determined by local experience. The higher rates increase the risk of grain injury and should be used only where the weed control problem justifies the risk of grain damage.

RESTRICTIONS AND LIMITATIONS FOR USE ON CEREAL GRAINS

- A minimum of 10 gallons of water per acre for ground application and 2 gallons of water per acre for aerial application is recommended.
- Do not allow livestock to forage or graze treated areas within 7 days of slaughter.

ESTABLISHED GRASS PASTURES AND RANGELAND

| WEEDS IN CROP | AMOUNT OF MCPA ESTER 4 PER ACRE | DIRECTIONS |
|---|---------------------------------------|---|
| Annual broadleaf weeds | 1 to 2 pints | Apply when weeds are small and actively growing and prior to bud stage. Do not apply to newly seeded areas until grass is well established. Do not apply when grass is in the boot to milk stage if grass seed production is desired. Bentgrass and legumes may be injured by this treatment. |
| Perennial and Biennial broadleaf weeds | 2 to 3 pints | |

RESTRICTIONS AND LIMITATIONS FOR USE ON PASTURES AND RANGELAND

- For ground application, use a minimum of 10 gallons of water per acre.
- For aerial application, use a minimum of 2 gallons of water per acre.
- Do not graze animals on treated areas within 7 days after treatment.

GRASSES GROWN FOR SEED PRODUCTION

| WEEDS IN CROP | AMOUNT OF MCPA ESTER 4 PER ACRE | DIRECTIONS |
|--------------------------------------|---------------------------------|--|
| Annual and perennial broadleaf weeds | 1 to 2 pints | Apply to established stands in the spring from tiller to early boot stage. Do not spray in boot stage. New spring seedlings may be treated with the lower rate after grass seedlings have at least 5 leaves. Perennial weed regrowth may be treated in the fall. |

RESTRICTIONS AND LIMITATIONS FOR USE ON GRASSES FOR SEED PRODUCTION

- For ground application use a minimum of 10 gallons of water per acre.
- For aerial application, use a minimum of 2 gallons of water per acre.

NON-CROP (Roadsides, fencerows, vacant lots, rights-of-way and other similar areas)

| WEEDS IN CROP | AMOUNT OF MCPA ESTER 4 PER ACRE | DIRECTIONS |
|--|---------------------------------------|--|
| Annual, biennial and perennial broadleaf weeds | 6 pints | Apply when annual broadleaf weeds are young and actively growing and perennial and biennial broadleaf weeds are actively growing and near the bud stage but before flowering. A second application may be required for best results on perennial and biennial weeds. |

RESTRICTIONS AND LIMITATIONS FOR USE IN NON-CROP AREAS

- For ground application use a minimum of 10 gallons of water per acre.
- For aerial application, use a minimum of 2 gallons of water per acre.

ORNAMENTAL TURF AREAS (Golf courses, Cemeteries and similar established grass areas)

| WEEDS IN CROP | AMOUNT OF MCPA ESTER 4 PER ACRE | DIRECTIONS |
|------------------------|---------------------------------------|---|
| Annual broadleaf weeds | 1 to 3 pints | Apply when annual broadleaf weeds are growing vigorously. Spring or fall applications will give the best results. Do not mow within 2 days before or after application. Do not use on lawns of creeping grasses such as bentgrass nor on freshly seeded turf until the grass has become well established. |

RESTRICTIONS AND LIMITATIONS FOR USE IN TURF AREAS

- For ground application on turf areas use enough water for good coverage (minimum of 10 gallons per acre)
- Do not apply around houses, recreation sites or similar areas.

LIMITED WARRANTY AND DISCLAIMER

The manufacturer warrants that this Product conforms to the chemical description on the label; that this product is reasonably fit for the purposes set forth in the directions for use when it is used in accordance with such directions; and that the directions, warnings and other statements on this label are based upon responsible experts' evaluation of reasonable tests of effectiveness, of toxicity to laboratory animals and to plants, and of residues on food crops and upon reports of field experience. Tests have not been made on all

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varieties or in all states or under all conditions. THE MANUFACTURER NEITHER MAKES NOR INTENDS, NOR DOES IT AUTHORIZE ANY AGENT OR REPRESENTATIVE TO MAKE, ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, AND IT EXPRESSLY EXCLUDES AND DISCLAIMS ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

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