

For control of ants, clover mites, crickets, earwigs, pantry pests\*, roaches, scorpions, silverfish and spiders in the about homes, dairy and food processing plants, use Malathion EM-5 at the rate of 6 1/2 fluid ounces per gallon of water. Apply by means of a coarse spray or paint brush to window sills, baseboards, under sinks, drainboards, stoves, cracks and crevices and to the other areas frequented by insects. For control of bedbugs in dwellings use Malathion EM-5 at a rate of 1 to 2 fluid ounces per gallon of deodorized kerosene. Apply lightly to all mattress surfaces in sufficient quantity to "mist" the fabric and generously to beds and woodwork with special care taken to wet all possible hiding places. Remove fish, birds and pets before treating. This product is toxic to fish. Keep out of lakes, streams and ponds.

\*Pantry pests such as the exposed stages of: sawtoothed grain beetle, flour beetle, rice weevil, cigarette beetle, drug store beetle and Indian meal moth.

#### 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.

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Updated 10-4-89 per reregistration phase 2 (inerts)

**MALATHION EM-5**  
**Premium Grade**  
**An Emulsifiable Concentrate containing**  
**5 lbs. of Acutal Malathion per gallon**

**ACTIVE INGREDIENT:**

**Malathion: 0,0-dimethyl phosphorodithioate of**  
**diethyl mercaptosuccinate ..... 57.0%**

**INERT INGREDIENTS: ..... 43.0%**

**TOTAL ..... 100.0%**

**KEEP OUT OF REACH OF CHILDREN**  
**CAUTION**

**STATEMENT OF PRACTICAL TREATMENT**

**IF SWALLOWED:** Call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching finger to back of throat. Do not induce vomiting or give anything by mouth to an unconscious or convulsing person.

**IF INHALED:** Remove victim to fresh air. Apply respiration if indicated.

**IF IN EYES:** Flush eyes for at least 15 minutes with water. Call a physician immediately.

**IF ON SKIN:** Remove contaminated clothing and wash affected areas with soap and water.

**See Below For Additional Precautionary Statements**

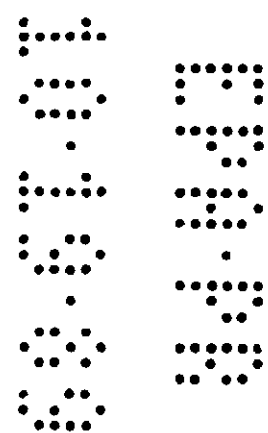
**EPA Reg. No. 51036-3**

**EPA Est. No. 51036-GA-1**

**Manufactured By**  
**MICRO FLO COMPANY**  
**P.O. BOX 5948**  
**LAKELAND, FLORIDA 33807**

**NET CONTENTS: \_\_\_\_\_**

**Not Reviewed.** Registrant claims to be in accordance with Reregistration of Pesticide Product Guidance for Phase 2 Response, Page 2.12, Active to Inert Change in Status.



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**PRECAUTIONARY STATEMENTS  
Hazards To Humans And Domestic Animals**

**CAUTION**

May be harmful if swallowed. Do not take internally. Avoid contact with eyes, skin and clothing. Avoid breathing vapors, dust, or spray mist. Wash thoroughly after handling. Wash contaminated clothing before reuse. Flush contaminated eyes with plenty of water and get medical attention if irritation persists. Keep children and pets off treated areas until this material is washed into the soil and grass is dry.

**NOTE TO PHYSICIAN:** Malathion is a moderate, reversible, cholinesterase in-hibitor. Atropine is antidotal.

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.

**ENVIRONMENTAL HAZARDS**

**OUTDOOR USE ON NONAQUATIC SITES:**

This pesticide is toxic to fish, aquatic invertebrates, and aquatic life stages to amphibians. Do not apply directly to water or wetlands (i.e., swamps, bogs, marshes, and potholes). Drift and runoff may be hazardous to aquatic organisms in areas near the application site. Do not contaminate water when disposing of equipment washwaters.

This product is highly toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area.

**INDOOR USE:**

Use only with adequate ventilation. After using this product indoors, ventilate thoroughly before occupying enclosed spaces. Do not allow contact with treated surface until sprays have dried.

**PHYSICAL OR CHEMICAL HAZARDS**

Do not use or store near heat or open flame.

**DIRECTIONS FOR USE**

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

**CHEMIGATION PROHIBITION**

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

**STORAGE AND DISPOSAL**

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

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**STORAGE:** Store in cool, dry place. In case of spill, remove spillage with an industrial type vacuum cleaner and wash area with household bleach.

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**CONTAINER DISPOSAL:** 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.

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## ANIMALS

### BEEF CATTLE

**LICE** - 1 gallon to 100 gallons of water or 6 1/2 oz. per 5 gallons of water.

**TICKS** - 1 to 2 gallons per 100 gallons of water or 6 1/2 to 13 oz. per 5 gallons of water. Repeat application only as needed at 2 week intervals.

**HORN FLY** - 1 to 1 1/2 gallons to 100 gallons of water or 6 1/2 to 13 oz. per 5 gallons. Apply complete coverage spray. One treatment may be sufficient. Repeat application only as needed at 2 week intervals. **DO NOT** use on animals less than 1 month old. Avoid contamination of feed or food.

**DAIRY CATTLE (Non-Lactating)** Use 1 to 1 1/2 gallons per 100 gallons of water for dip and spray. **DO NOT** treat during lactation or spray within 2 weeks of freshening. **DO NOT** dip dairy animals within 2 months of freshening. **DO NOT** apply to calves under one month of age. **DO NOT** apply to lactating dairy cattle.

**SWINE: LICE** - 1 gallon to 100 gallons of water or 6 1/2 oz. per 5 gallons of water. Apply as a complete spray to animals, pens and litter. One treatment may be sufficient. Repeat application only as needed.

### POULTRY

**CHICKENS, DUCKS, GEESE, TURKEYS** - For Northern Fowl Mite, Poultry Lice, Chicken Red Mite use at the rate of 2 tablespoons per 1 gallon of water per 100 to 150 birds as direct application. Repeat application in 4 to 8 weeks or when necessary. As a Premise Treatment use 4 tablespoons per 1 gallon of water. Apply liberally to litter, walls, ceilings, roosts, nests and adjacent

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areas, taking care to force spray to cracks and crevices. Repeat as necessary. Avoid contamination of feed, feeding troughs, and water fountains. Provide clean nesting material after spraying. As a Roost Paint use 4 tablespoons per 1 gallon of water at a rate of 1 pint per 150 ft. of roost, as an aid in the control of Chicken red mite and Poultry lice. Brush on top sides of cleaned perches or roost poles before birds go to roost. If necessary repeat in 8 to 10 days.

### **DOGS AND CATS DIRECT APPLICATION SPRAYS**

For control of fleas apply spray of 1 oz. of Malathion EM-5 per 1 gallon of water. Wet the animal thoroughly using a hand sprayer. If the animal has free run, treatments may have to be made every second or third week. To avoid unnecessary applications, animals should be closely examined for fleas before retreating. If the animal is confined to an area free of fleas, one treatment may be sufficient.

### **ANIMAL QUARTERS SPRAYS**

For control of fleas in kennels, pens, yards, lawns, and under houses. Remove manure or debris before spraying. Use spray of 5 oz. of Malathion EM-5 per 1 gallon of water at rate of 1 gallon per 1000 sq. ft. Use garden sprayer.

### **ORNAMENTALS**

For Oyster Shell Scale and Lace Bugs, use 1 pint. For Spider Mites, Aphids, White Flies, Mealybugs, Thrips, Japanese Beetle Adults, European Pine Shoot Moth, Four-Lined Plant Bug, Tarnished Plant Bug, Rose Leafhopper, Potato Leafhopper, Scurfy Scale and Euonymus scale, use 1 1/2 pints. For Bagworm, Tent Caterpillar, Boxwood Leaf Miner, Birch Leaf Miner, Oak Kermes, Florida Red Scale, Fletcher Scale, Juniper, Azalea and Magnolia Scales, use 2 pints. For Black Scale crawler, Soft Brown and Monterey Scales, use 2 1/2 pints. Apply through full coverage sprays as needed. NOTE: DO NOT apply to petunias, certain ferns (including Boston, Maidenhair, Pteris), and some species of Crassula, since plant injury may occur.

**ALL ABOVE RATES PER 100 GALLONS OF WATER**

### **HOUSEHOLD INSECTS**

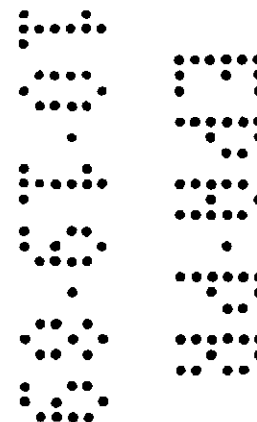
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