

51036-73
12/2/01
2/28

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

**DIBROM 8EC
INSECTICIDE**

ACTIVE INGREDIENTS:

**Naled (1,2-dobromo-2,2-dichloroethyl
dimethyl phosphate 58.00%**

INERT INGREDIENTS: 42.00%

TOTAL 100.00%

**KEEP OUT OF REACH OF CHILDREN
DANGER PELIGRO**

**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 INHALED: Remove victim to fresh air. If not breathing,
immediately give artificial respiration, preferably mouth-to-
mouth, and maintain until doctor sees victim. If breathing is
difficult, give oxygen.**

**IF IN EYES OR ON SKIN: Immediately flush with plenty of water
for at least 15 minutes while removing contaminated personal
clothing and shoes to avoid continued possible exposure to victim
or persons in attendance.**

**IF SWALLOWED: Induce vomiting immediately by giving two
glasses of water and by touching back of throat with finger. Do
not induce vomiting or give anything by mouth to an unconscious
person. Have victim lie down and keep quiet.**

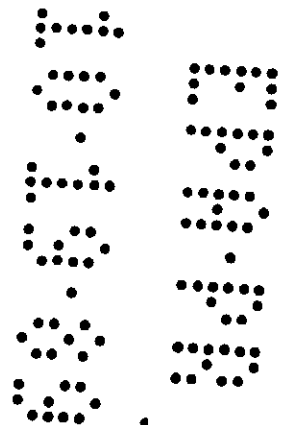
See Side Panels For Additional Precautionary Statements

EPA Reg. No. 51036-73

EPA Est. No. 51036-GA-1

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

**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.**



PRECAUTIONARY STATEMENTS
Hazards To Humans And Domestic Animals

DANGER

Concentrate causes eye and skin damage. Do not get in eyes, on skin or on clothing. May be fatal if swallowed or absorbed through skin. Do not breathe spray mist. Use waterproof gloves and face shield or goggles when handling concentrate. Keep children and animals off treated areas.

NOTE TO PHYSICIAN: Naled is a cholinesterase inhibitor. Atropine is antidotal. 2-PAM is also antidotal and may be used in conjunction with atropine. Mucosal damage may occur, and if gastric lavage is indicated, it should be performed cautiously.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and wildlife. Aquatic invertebrates, shrimp and crabs may be killed at recommended application rates. Do not apply to tidal or marsh waters which are important shrimp producing areas. Do not apply where runoff is likely to occur. Do not apply when weather conditions favor drift from areas treated. Consult your State Fish and Game Agency before applying this product to public waters. Permits may be required before treating such waters. This product is highly toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply this product or allow to drift to blooming crops or weeds while bees are actively visiting the treatment area.

PHYSICAL OR CHEMICAL HAZARDS

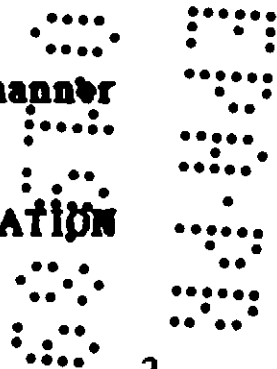
COMBUSTIBLE, KEEP OUT OF REACH OF CHILDREN. DO NOT USE OR STORE near heat, open flame, sparks or hot surfaces. **USE ONLY IN WELL VENTILATED AREA.** Keep container closed. Clean up spills immediately. Liquid evaporates and forms vapor (fumes) which can catch fire and burn with explosive violence. Invisible vapor spreads easily and can be set on fire by many sources such as pilot lights, welding equipment and electrical motors and switches. Fire hazard is greater as liquid temperature rises above 85 degrees F. **DO NOT** heat this container. Replace cap and bung. Emptied container still contains hazardous or explosive vapor or liquid.

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.



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READ ENTIRE LABEL. USE STRICTLY IN ACCORDANCE WITH PRECAUTIONARY STATEMENTS AND DIRECTIONS, AND WITH APPLICABLE STATE AND FEDERAL REGULATIONS

RE-ENTRY STATEMENT

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.

Do not enter treated areas prior to 24 hours after application without protective clothing.

Protective clothing means, at least, a hat or other suitable head covering, a long sleeved shirt and long legged trousers or a coverall type garment (all of closely woven fabric covering the body, including the arms and legs), shoes and socks.

Because certain states may require more restrictive re-entry intervals for various crops treated with this product, consult your State Department of Agriculture for further information.

Written or oral warnings must be given to workers who are expected to be in a treated area or in an area about to be treated with this product. When oral warnings are given, warnings shall be given in a language customarily understood by workers. Oral warnings must be given if there is reason to believe that written warnings cannot be understood by workers. Written warnings must include the following information. **DANGER!** Area treated with Dibrom on (date of application). Do not enter without appropriate protective clothing for 24 hours. See Statement of Practical Treatment and Precautionary Statements for actions to be taken in case of accidental exposure.

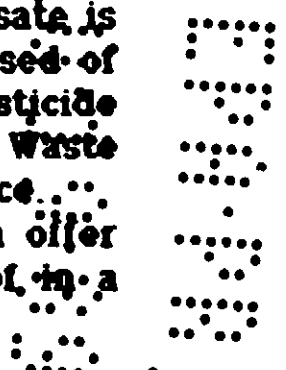
STORAGE AND DISPOSAL

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

STORAGE: Store in a cool, dry place. Keep pesticide in original container. Do not put concentrate or dilute into food or drink containers. Not for use or storage in or around the home. Do not store diluted spray.

PESTICIDE DISPOSAL: This product is acutely hazardous. 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 incineration, or, if allowed by state and local authorities, by burning. If burned stay out of smoke.

APPLICATION

USE DESIGNATED AMOUNT OF PRODUCT IN THE FOLLOWING GALLONS WATER PER ACRE UNLESS OTHERWISE NOTED.

GROUND APPLICATION - Vegetable and Field Crops - 30 to 250 gallons. Cotton - 3 to 20 gallons. Deciduous Fruit Crops - 60 to 300 gallons. Citrus - 400 to 3,000 gallons. (On Young Fruit Plantings - Use a minimum of 15 gallons per acre).

Where Recommended for **AIR APPLICATION** - Field Crops - 3 to 10 gallons. Begin application at first sign of insects. Repeat as necessary. Do not apply within 4 days of harvest unless otherwise noted. Do not use with highly alkaline materials such as lime or bordeaux.

MIXING DIRECTIONS: Add to spray tank when 1/4 to 1/2 full with agitator running and maintain agitation until spraying is completed.

ALFALFA: Grasshoppers - 3/4 pint per acre when crop is not more than 12" high. Aphids, Loopers, Leafhoppers, Lygus Bugs, Alfalfa Webworms, Armyworms - 1 pint per acre. **ALFALFA (seed):** Lygus, Mite Suppression (1 application), Mites (2 applications at 7 day intervals). Thrips - 1/2 pint per acre. Combine with recommended chemicals for residual control. **BY AIR** - Use at least 10 gallons water per acre.

BEANS (Dry or Field), SOYBEANS, LIMA BEANS AND PEAS for Processing: Alfalfa Loopers, Aphids, Spider Mites, Lygus, Leaf Miners; **GREEN BEANS:** Aphids, Spider Mites, Loopers, Nitidulids, Leafhoppers - 1 pint per acre in water to cover, 100 gallons per acre is preferable. Large Loopers, Stink Bugs - 1 1/2 pints per acre in water to cover.

BROCCOLI, CABBAGE, CAULIFLOWER, BRUSSELS SPROUTS, KALE, COLLARDS: Imported Cabbageworms, Diamond-Back Caterpillars, Aphids - 1 pint per acre. Loopers - 2 pints per acre. May be used 1 day before harvest except do not apply to kale and collards within 4 days of harvest.

CELERY: Aphids, Loopers, Armyworms, Salt Marsh Caterpillars, Leaf Miners - Use ground application only with fine mist spray 1 pint in 50 to 75 gallons water per acre on plants less than 3/4 grown. On larger plants use 1 1/2 pints in 100 to 150 gallons water per acre.

COTTON: Lygus - 1/2 to 1 pint per acre by air or ground. Leaf Perforators, Fleahoppers, Armyworms, Bollworms, Loopers, and for Suppression of Mites - 1 pint per acre by air or ground. Apply at 7 to 10 day intervals while pests persist. FOR HEAVY POPULATION OF LISTED INSECTS - Use 1/2 pint per acre by air or ground in control programs with other insecticides registered for use on cotton.

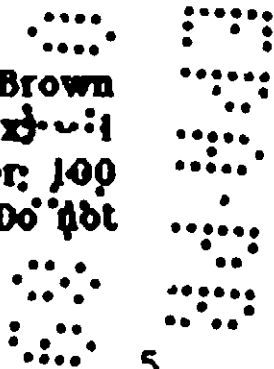
CUCUMBERS, SUMMER SQUASH: Cucumber Beetles, Aphids, Spider Mites, Loopers, Thrips, Armyworms - 1 pint per acre in water to cover. Pickleworms, Leaf Miners - 1 1/2 pints per acre in water to cover. BY AIR - Use minimum of 10 gallons water per acre. May be used up to harvest.

EGGPLANT, PEPPERS: Aphids, Spider Mites, Blister Beetles, Flea Beetles, Leaf Miners, Whiteflies - 1 pint per acre. May be used up to 1 day before harvest.

SPINACH, CHARD, TURNIP GREENS: Aphids, Loopers, Armyworms, Salt Marsh Caterpillars, Leaf Miners - Use ground application only with fine mist spray, 1 pint in 50 to 75 gallons water per acre on plants less than 3/4 grown. On larger plants, use 1 1/2 pints in 100 to 150 gallons water per acre. May be used 1 day before harvest.

MELONS (Cantaloupe, Honeydew, Muskmelon, Watermelon), PUMPKINS, WINTER SQUASH: Loopers, Armyworms, Leafhoppers, Spider Mites, Leaf Miners - 1 to 2 pints per acre (200 gallons diluted spray per acre). May be used 1 day before harvest. Do not apply when temperature is over 90 degrees F.

ORANGES, LEMONS, GRAPEFRUIT, TANGERINES: Aphids, Soft Brown Scale Crawlers, Mites, Citrus Cutworms, Leaf Rollers (Tortrix) - 1 pint to 100 gallons water. Thrips (Bloom) - 1/2 pint per 100 gallons water. Use up to 7 days of harvest. (CA and AZ - Do not apply within 1 day of harvest.)



RICE: Grasshoppers - 1/2 to 3/4 pint per acre. Apply at first sign of insects. Do not make more than 3 applications. May be used 2 days before harvest.

TOBACCO: Hornworms - 1 pint to 100 gallons water, using up to 200 gallons diluted spray per acre. Flea Beetles - 1 pint per acre in water to cover. Apply at first signs of insects. Repeat as necessary.

TOMATOES (Field): Fruit Flies (*Drosophila*) - 1 pint in no less than 40 gallons water per acre with ground sprayer, 7 to 10 gallons by air. Make first application 5 to 7 days before first picking and continue at 5 to 7 day intervals until the day before harvest. (Field and Greenhouse): Tomato Fruit Worms, Hornworms, Leaf Miners, Flea Beetles, Mites - 1 pint in 100 gallons water. Spray plants thoroughly. For Field - Use up to 200 gallons diluted spray per acre. Do not apply when temperature is over 90 degrees F. May be used 1 day before harvest.

GREENHOUSE, VAPOR TREATMENT OF ROSES, OTHER ORNAMENTAL PLANTS, TOMATOES, CUCUMBERS: Spider Mites, Adult Whiteflies, Aphids, Leafrollers, Mealybugs - 1 fluid ounce per 10,000 cubic feet when plants are dry. Apply undiluted on heat pipes (or in open pans on hot plates). Apply continuously or to intermittent sections of pipe on each side and on 1 or more of the pipes through center of each range depending upon width. Application to cold pipes should be followed by immediately heating pipes to 160 degrees F. In steam heated houses, close vents for at least 1 hour after pipes are hot. With hot water systems, close house for at least 3 hours. House may remain closed overnight following treatment. When application is made to hot pipes, wear goggles and approved respirator. Ventilate house before workers re-enter. Wear respirator when entering treated houses to ventilate. Protect hives of bees in cucumber and other houses by covering with plastic or rubber sheet during treatment and until house is ventilated. Do not apply to tomatoes or cucumbers closer than 1 day before harvest. Spider Mites (Resistant and Non-resistant): Make 3 to 4 treatments at 3 or 4 day intervals. Repeat as necessary. Adult Whiteflies - Make 2 applications at 7 day intervals. Repeat as necessary. Aphids - Apply when aphids appear. Repeat as necessary.

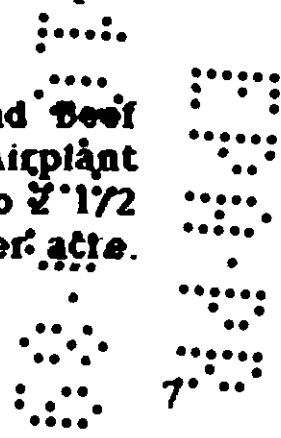
NOTE: Avoid overtreatment and direct application to plants as injury may result. White Butterfly and Golden Rapture Roses, Pink Champagne Chrysanthemums, Green Wandering Jew, Poinsettias and Dutchman's Pipe may be injured by Naled vapor. Do not spray on Nectarines, ornamental Cherries, Liquidambar or Chrysanthemums as injury may occur.

FRUIT FLIES (Drosophila sp.) In and around Food Processing Plants, Loading Docks, Cull Piles and Refuse Areas, Cider Mills - Use 2 ounces in 2 1/2 gallons water (5 pints to 100 gallons) as a coarse spray to walls, floors, doorways, windows, refuse and cull piles where insects congregate. Apply every 5 to 7 days as necessary. Do not apply to cull fruit or refuse piles to be fed to livestock. Avoid contamination of feeds, foodstuffs and food processing machinery. Do not apply when plants are in operation or when foods are present or exposed. Do not spray surfaces which will come into contact with foods. Cover food containers during spraying.

ADULT MOSQUITO, GNAT, STABLEFLY (Dog Flies), And HOUSEFLY CONTROL - RESIDENTIAL AREAS, CROPS LISTED ON LABEL, TIDAL MARSHES, SWAMPS, WOODLAND, LIVESTOCK PASTURES, FEED LOTS, AND PASTURES INCLUDING DAIRY CATTLE: Consult your State Fish and Game Agency before applying this product. It is not necessary to avoid farm buildings and dairy barns. Make applications during peak of infestation and repeat as necessary. See crop recommendations for use limitations near harvest. This rate of application will kill shrimp. Do not apply to tidal or marsh waters which are important shrimp producing areas.

AIRCRAFT: East - Apply 0.8 to 4 fluid ounces per acre diluted with water. Apply 2 to 8 quarts of diluted spray per acre. West - Apply 1.6 to 4 fluid ounces per acre diluted with water. Apply 2 to 8 quarts of diluted spray per acre. **MIST OR COLD FOG:** Use 3 to 5 quarts per 100 gallons water. Calibrate equipment (rate of travel and output) to apply 0.1 to 0.25 pound technical Naled per acre.

CORRALS, ADJACENT PASTURES, HOLDING PENS (Dairy and Beef Cattle, Hogs, Sheep, Horses): Houseflies Mosquitoes - Aircraft Application - Use 1.6 to 4 fluid ounces per acre. Dilute 1 to 2 1/2 pints in 10 gallons water. Apply 1 gallon diluted spray per acre. Apply over areas with animals present.



CLOVER MITES, ROACHES, EARWIGS AND LEAFHOPPERS Outside Dwellings and in Lawns: Use 1 fluid ounce in 3 gallons water. Apply to turf and to soil surfaces around flowers, shrubs, and trees for general pest cleanup.

GRASSHOPPERS: Rangeland Field Areas (crops listed on Label) and Pastures including dairy pastures: Range Caterpillars and Rangeland and Pastures - 1/2 to 3/4 pint per acre by air or ground. Young Grasshoppers - 1/2 pint per acre by air or ground. Armyworms (Except rice) - 1 pint per acre by air or ground. By Air - Use in 1 to 5 gallons water per acre. Apply when hoppers hatch is completed. Repeat as necessary. Animals may be present during treatment. See crop recommendations for use limitations near harvest. Forage plants on pastures or field areas should not be cut for hay to be sold or shipped interstate within 4 days of application.

CONDITIONS OF SALE

All statements concerning the use of this product apply only when the product is used as directed. **THERE ARE NO WARRANTIES INCLUDING MERCHANTABILITY WHICH EXTEND BEYOND THE DESCRIPTION ON THE LABEL.** Read all directions carefully.

