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FEB 24 1995

Stacy A. Schmidt  
SureCo, Inc.  
P.O. Box 938  
Fort Valley, GA 31030

Subject: **Miller Sevin 50% Wettable Powder**  
**EPA Reg. No. 769-834**  
**Response to PR Notice 93-7, WPS**

Dear Ms. Schmidt:

The Agency has reviewed your application for an amendment (OPP Identifier No. 227189), dated September 23, 1994 for the above stated reasons. The labeling cited above and submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is partially acceptable. The labeling fulfills the labeling requirements of the Worker Protection Standard (WPS) per 40 CFR part 156, subpart K, §156.200 (c)(3), which prohibits the distribution or selling any product within the scope of the WPS after April 21, 1994 without amended labeling accepted by the Agency.

The ENVIRONMENTAL HAZARDS statement must be changed. The sentence, "DO NOT apply directly to water or wetlands" should be changed to "Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark."

A stamped copy of the label, approved with comments, is enclosed for your records. Please submit five copies of the revised label as soon as possible. If you have any questions, please contact Teung F. Chin of my Team at (703) 305-5412.

Sincerely yours,

DHE

Dennis H. Edwards, Jr.  
Product Manager 19  
Insecticide-Rodenticide Branch  
Registration Division (7505C)

Attachment  
869-180, BE5

106

SEVIN 50% WETTABLE POWDER  
FOR CONTROL OF INSECT PESTS OF  
FRUITS, VEGETABLES AND ORNAMENTALS

ACTIVE INGREDIENT:	BY WEIGHT
Carbaryl (1-Naphthyl Methylcarbamate) .....	50.0%
INERT INGREDIENTS .....	<u>50.0%</u>
TOTAL .....	100.0%

E.P.A. Reg. No. 769-834

E.P.A. Est. No. 769-GA-1

KEEP OUT OF REACH OF CHILDREN  
CAUTION

STATEMENT OF PRACTICAL TREATMENT

This product is an N-methyl carbamate and is a cholinesterase inhibitor.

IF SWALLOWED: Drink one or two glasses of water and induce vomiting by touching back of the throat with finger. Call a physician or poison control center immediately. Do not induce vomiting or give anything by mouth to an unconscious or convulsing person.

IF INHALED: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth.

IF IN EYES: Immediately flush eyes with plenty of water. Call a physician.

IF ON SKIN: Remove contaminated clothing. Wash affected area with soap and water. Launder clothes before reusing.

NOTE TO PHYSICIAN: Carbaryl is a moderate reversible cholinesterase inhibitor. Atropine administered intravenously is antidotal. Do not use 2-PAM, opiates, or cholinesterase inhibiting drugs.

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

ACCEPTED  
with COMMENTS  
by EPA Letter Dated

FEB 24 1995

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

769-834

SURECO, INC.  
FORT VALLEY, GA 31030

NET WEIGHT: 5 POUNDS  
50 POUNDS

# PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Applicators and Other Handlers Must Wear: Long-sleeved shirt and long pants, waterproof gloves, 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.

## User Safety Recommendations:

*Users Should:*

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

HAZARDS TO HUMANS AND DOMESTIC ANIMALS: CAUTION -- May be harmful if swallowed. Avoid breathing vapors (dust or spray mist). Avoid contact with eyes, skin or clothing. Do not contaminate food or feed. Avoid storage near food or feed products. Avoid contamination of feed, feeding troughs and watering receptacles. Food utensils such as teaspoons or tablespoons should not be used for food purposes after use in measuring pesticides. Do not use on humans or household pets.

## ENVIRONMENTAL HAZARDS

This product is extremely toxic to aquatic and estuarine invertebrates. Do not apply directly to water or wetlands. Do not contaminate water by cleaning of equipment or disposal of wastes. This product is highly toxic to bees exposed to direct treatment or residues 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. MAY KILL HONEYBEES IN SUBSTANTIAL NUMBERS. Protective information may be obtained from your Cooperative Agricultural Extension Service. Do not use when value of bees as pollinators is more important than insect control. Warn beekeepers to locate hives beyond bee flight range until one week after application, or take equally effective precautions.

## STORAGE & DISPOSAL (for sizes 5 lbs. & under)

Do not contaminate water, food or feed by storage or disposal. Store in tightly closed, original container in a locked area away from children and domestic animals. Do not reuse empty container. Securely wrap closed container in several layers of newspaper and discard in trash.

### STORAGE & DISPOSAL (for sizes over 5 lbs.)

Do not contaminate water, food or feed by storage or disposal. **STORAGE:** Store in tightly closed, original container in a locked area away from children and domestic animals. **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:** Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

READ ENTIRE LABEL. USE STRICTLY IN ACCORDANCE WITH LABEL CAUTIONS, WARNINGS AND DIRECTIONS.

### GENERAL INFORMATION

MILLER SEVIN 50% Wettable Powder is a synthetic carbamate insecticide. Sevin will control a wide range of insects and works as contact insecticide as well as a stomach poison. MILLER SEVIN is a wettable powder intended for use in spray applications.

### SPECIAL NOTES

Do not use SEVIN with lime, Bordeaux, lime-sulfur, casein-lime spreaders or other alkaline materials. SEVIN is compatible with commonly used insecticides and fungicides. SEVIN does not control mites but is compatible with all common miticides.

The use of this material in a manner or at a time other than in accordance with directions may produce plant injury. Federal Food and Drug Administration has set official tolerances for pesticides residues. Crops having residues in excess of these tolerances should not be marketed without removal of such excess.

### DIRECTIONS FOR USE

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

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 interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker 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: Coveralls, waterproof gloves, shoes plus socks.

### DIRECTIONS

**ORNAMENTALS:** For control of Japanese Beetle, Bagworm, Aphid, Blister Beetles, Boxelder Bug, Certain Leaf Miners, Elm Leaf Beetle, Flea Beetles, Leafhoppers, Leaf Rollers, Orange Tortrix, Periodical Cicada, Scale Insects, Tent Caterpillars and Exposed Thrips: Make first application when insects are first noted and repeat at 7 to 10 day intervals as necessary. Sevin has been used at 2 lbs. per 100 gals. of water without injury to Arbor Vitae, Azalea, Boxwood, Camelia, Carnation, Chrysanthemum, Dahlia, Dogwood, Euonymus, Gladiolus, Holly, Privet, Rhododendrum, Rose, Spirea, Yew and numerous other flowers and shrubs. To maintain control for 3-4 weeks add 1 pint of Nu-Film-17 per 100 gallons of water (1 teaspoonful per 1 gallon).

**NOTE:** For measuring small amounts: 2 tablespoonfuls per gallon of water is equal to 2 lbs. per 100 gallons of water, and will cover an area of approximately 435 sq. ft.

**DIRECTIONS FOR USE ON AGRICULTURAL CROPS REQUIRING FARMWORKER HAND LABOR TASKS.**

Subsequent planting of food and feed crops in treated soil must be made with crops on this or other carbaryl label(s).

Keep spray mixtures well agitated. SEVIN 50% WETTABLE POWDER may be applied up to and including harvest on Grapes, Beans, Carrots, Corn for human consumption (for fodder, do not apply within 7 days). Cucumbers, Eggplants, Melons, Peppers, Potatoes, Pumpkins, Tomatoes and Summer and Winter Squash and within 3 days on Cabbage, Broccoli, Brussels Sprouts, Cauliflower and Kohlrabi, and within 5 days on citrus and within one day of harvest on Apples, Cherries, peaches, pears, plums, Prunes and Strawberries. To increase efficiency of sprays, add Nu-Film-P or Nu-Film-17 to the spray tank.

**APPLES AND PEARS:** (Eastern United States): For control of Codling Moth and Green Apple Aphid, Apple Maggot, Plum Curculio, Rosy Apple Aphid, Red-Banded Leaf Roller, Fruit Tree Leaf Roller, Pear Psylla and Periodical Cicada: Use 2 lbs. in 100 gallons of water in cover sprayers. To avoid possible fruit thinning on apples and foliar injury on McIntosh, do not apply until second cover, or within 15 days after petal fall.

For optimum Apple Maggot Control: Apply at 10 day intervals. For control of Rosy Apple Aphid: Apply before leaves are curled.

GRAPES: For control of Grape Berry Moth and Leafhoppers: Use 2 lbs. per 100 gals. of water. Apply at 200 gals. per acre, beginning application just before larvae emerge from first rolls and repeat as necessary.

PEACHES: For control of Oriental Fruit Moth, Peach Twig Borer, Plum Curculio, Catfacing Insects and Periodical Cicada: Use 2 lbs. per 100 gals. of water in a post-bloom sprays. NOTE: To avoid possible fruit thinning, do not apply until 25 days after bloom, repeat at 10 day intervals if needed.

PLUMS, PRUNES, AND CHERRIES: For control of Cherry Fruit Fly, Codling Moth, Eastern Tent Caterpillar, Fruit Tree Leaf Roller, Orange Tortrix, peach Twig Borer, Plum Curculio, Red-banded Leaf Roller and Western Tussock Moth: Use 2 lbs. per 100 gallons of water applying 300-600 gallons per acre. Apply in post-bloom and summer sprays. Repeat in normal schedules of 3 to 5 applications when insects appear. Gallonage will vary with tree size and spacing. Spray for full coverage. NOTE: On cherries to avoid possible fruit thinning do not apply until 25 days after bloom. Repeat at 10 days intervals if needed.

STRAWBERRIES: For control of Meadow Spittlebug and Strawberry Leaf Roller: Use 2 lbs. per 100 gals. of water applying at the rate of 200 gallons per acre. Apply in post bloom and summer sprays. Repeat in normal schedules of 3 to 5 applications when insects appear. Spray for full coverage.

BEANS: For control of Mexican Bean Beetle: Use 1 lb. in up to 100 gals. of water to cover an acre.

For control of Leafhopper: Use 2 lbs. in up to 100 gals. of water to cover an acre.

For control of Lygus and Stink Bugs: Use 4 lbs. in up to 100 gals. of water to cover on acre. Spray up to 100 gallons per acre for full coverage when insects appear. If needed, repeat at 7 to 10 day intervals. In low gallonage equipment use 50-mesh screen strainers only and provide sufficient agitation to insure suspension. Do not feed treated vines to dairy or meat animals.

CABBAGE, BROCCOLI, BRUSSELS SPROUTS, CAULIFLOWER AND KOHLRABI: For control of Flea Beetles, Harlequin Bug, Corn, Earworm, Armyworms and Cabbage Caterpillars: Use 2 to 4 lbs. per acre in sufficient water for full coverage. Apply when insects or their damage first appear; repeat at 7 to 10 day intervals, or as necessary. For control of Small Cabbage Loopers in home gardens or in commercial plantings after edible portions begin to form, apply in a 5 to 7 day schedule. DO NOT apply within 3 days of harvest.

**CARROTS:** For control of Flea Beetles and Leafhoppers: Use 1 to 2 lbs. per acre in sufficient water for complete coverage. Apply when insects or their damage appear; repeat at 7 to 10 day intervals or as necessary. For control of Six-spotted Leafhopper (aster yellows vector): Use 2 to 3 lbs. per acre in sufficient water for complete coverage on a 5 to 7 day schedule. For control of Spittlebugs, Lygus and Stink Bugs: Use 2 to 4 lbs. per acre in sufficient water for good coverage. May be applied up to and including day of harvest.

**CORN (FIELD AND SWEET):** For control of Corn Earworm and Japanese Beetle: Use 3 to 4 lbs. in 25 - 100 gals. of water to treat one acre. Remove felt stainers and provide agitation to maintain suspension. Spray at 50 to 100 lbs. pressure. Use four nozzles per row, directed at ear zone, to insure wetting of the silks. Apply at 2 to 3 day intervals, starting when first silks appear and continuing until silks begin to dry. A total of three or more applications may be required, depending on duration of silking period and severity of infestation. Timing and good coverage are absolutely essential for effective control. On corn for fodder, do not spray within 7 days of harvest.

**CUCUMBER AND SUMMER SQUASH:** For control of Striped and Spotted Cucumber Beetles, Squash Bugs, Flea Beetles, Pickleworm and Melonworm: Use 2 lbs. in 100 gallons of water. Spray for full coverage, up to 100 gals. per acre. Repeat at 7 to 10 day intervals when insects or their damage appear.

**MELONS, PUMPKINS AND WINTER SQUASH:** For control of Pickleworm, Melonworm, Leafhoppers, Flea Beetles and Squash Bugs: Use 2 lbs. per acre in sufficient water for good coverage. Apply when insects or their damage appear. Repeat at 7 to 10 day intervals, or as necessary. Avoid excessive applications. Some heat injury may occur if treatments are made when tender foliage is wet or in the presence of very high humidity. Do not use on watermelons in Florida. May be applied up to and including the day of harvest.

**POTATOES:** For control of Colorado Potato Beetle: Use 1 lb. in sufficient water to cover an acre. For control of Leafhopper and Flea Beetle: Use 2 lbs. in sufficient water to cover an acre. For control of Lygus Bug: Use 4 lbs. in sufficient water to cover an acre. Spray up to 100 gallons per acre for full coverage when insects appear. If needed, repeat at 7 to 10 day intervals. In low gallonage equipment use 50-mesh screen strainers only and provide sufficient agitation to insure suspension. May be applied on the day of harvest. Do not feed treated vines to dairy or meat animals.

**TOMATO, EGGPLANT AND PEPPER:** For control of Tomato Fruitworm, Fall Armyworm and Flea Beetle: Use 2 lbs. in 100 gals. of water; apply 100 to 200 gallons per acre, when insects or their damage appear and repeat at 7 to 10 day intervals. For control of Tomato Hornworm, European Corn Borer and Stink Bugs: Use 3 to 4 lbs. in 100 gals. of water, apply 100 to 200 gals. per acre, when insects or their damage appear and repeat at

7 to 10 day intervals. TOMATO: To extend the spray interval to 14-21 days: Add 1 pint of Nu-Film-17 per acre. NOTE: When crop is young and growing rapidly, it is necessary to spray frequently. As crop nears vegetative maturity and growth slows extend schedule as above. No time limitations.

CITRUS: Orange, Lemon, Grapefruit and Tangerine: For control of Western Tussock Moth, Orange Tortrix, Fruite Tree Leaf Roller and Citrus Cutworm: Use 4 lbs. in 500-600 gals. of water per acre when insects are sufficiently numerous to cause economic damage. Spray for full coverage. (Small trees: Use 2 lbs. per 100 gallons of water).

IMPORTANT: Read these entire Directions and Conditions of Sale before using this product. DISCLAIMER: SureCo warrants that this product conforms to the chemical description on the label and is reasonably fit for the specific purposes referred to in the Directions For Use, subject to the inherent risks referred to above. SureCo makes no other express or implied warranty of fitness or merchantability nor any other express or implied warranty. In no case shall SureCo be liable for consequential, special, or indirect damages resulting from the use, handling or application of this product.