



U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Biopesticides and Pollution Prevention Division (7511C)
1200 Pennsylvania Avenue NW
Washington, DC 20460

EPA Reg. Number:

70950-3

Date of Issuance:

1-17-06

Term of Issuance:

Unconditional

Name of Pesticide Product:

AVACHEM SORBITOL OCTANOATE
[90.0%]

NOTICE OF PESTICIDE:

Registration
 Reregistration

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

AVA Chemical Ventures, L. L. C.
80 Rochester Avenue, Suite 214
Portsmouth, NH 03801

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Biopesticides and Pollution Prevention 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.

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 registration does not eliminate the need for continual reassessment of the pesticide. If EPA determines at any time, that additional data are required to maintain in effect an existing registration, the Agency will require submission of such data under section 3(c)(2)(B) of FIFRA.

This product is registered in accordance with FIFRA section 3(c)(5) and is subject to the following terms and conditions:

1. Make the following modifications to your label before releasing your product for shipment:
 - a. Revise the "EPA Reg. No." entry to become 70950-3.

Signature of Approving Official:

JZA
(See second page for signature)

Date:

1-17-06

EPA Reg. No. 70950-3

2. Submit three (3) copies of the revised final printed labeling before you release the product for shipment. Refer to the A-79 enclosure for a further description of final printed labeling.

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

Sincerely,


Janet L. Andersen, Ph.D.
Director
Biopesticides and Pollution
Prevention Division (7511C)

Enclosures (2)

3/7

AVACHEM SORBITOL OCTANOATE [90.0%]

Biochemical Insecticide/Miticide for Greenhouse, Nursery & Field Crop Use

ACTIVE INGREDIENT:

Sorbitol Octanoate..... 90.0%

OTHER INGREDIENTS:..... 10.0%

Total 100.0%

(For 1 Gallon size: This container will treat up to 0.6 acre at the highest volume application rate)

EPA Reg. No. 70950-G

EPA Est. No. 075197-CA-001

KEEP OUT OF REACH OF CHILDREN

WARNING

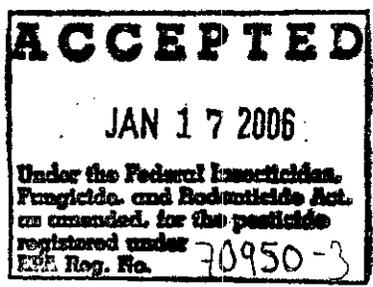
Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.
(If you do not understand the label, find someone to explain it to you in detail.)

FIRST AID

- 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.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

For information about this product call 1-888-229-7414



Manufactured for:
AVA Chemical Ventures, L.L.C.
80 Rochester Avenue, Suite 214
Portsmouth, NH 03801

Net Contents: 1 Gallon, 2.5 Gallons

PRECAUTIONARY STATEMENTS
Hazards to Humans and Domestic Animals

WARNING: Causes substantial but temporary eye injury. Do not get in eyes or on clothing. Wear protective eyewear (goggles or face shield). Wash thoroughly with soap and water after handling. Remove and wash contaminated clothing before reuse.

Personal Protective Equipment (PPE):

Applicators and other handlers must wear: Long sleeved shirt and long pants, shoes plus socks and protective eyewear.

Discard clothing and other absorbant materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

Follow the 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/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling This product. As soon as possible, wash thoroughly and change into clean clothing.

Environmental Hazards:

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 wash water or rinsate.

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 State/Tribal 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 24 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,
- shoes plus socks,
- protective eyewear, and
- waterproof gloves.

GENERAL INFORMATION

AVACHEM SORBITOL OCTANOATE [90.0%] is a biochemical insecticide/miticide for use against the soft-bodied insects listed on this label, similar insect types, mites and thrips. It is primarily a contact insecticide with limited residual activity.

- ◆ Do not apply this product through any type of irrigation system.
- ◆ Apply as soon as infestation begins.
- ◆ Use in sufficient water to achieve adequate coverage.
- ◆ Repeat applications, as necessary, at intervals of 7 - 10 days, to maintain control.
- ◆ Thorough spray coverage of plant foliage, including the undersides of leaves, is essential for good control of the pest.
- ◆ May be applied up to and including day of harvest.

PESTS CONTROLLED

This product is used as a foliar spray to control or suppress soft-bodied pests which include: adelgid, aphids, caterpillars, glassy-winged sharpshooter, lace bug, leafhopper, mealy bug, plant bug, psyllid, soft scale, mites, tent caterpillar, thrips and whitefly.

MIXING AND APPLICATION

Shake or stir before use.

AVACHEM SORBITOL OCTANOATE [90.0%] is miscible in water. To achieve and to maintain the suspension, add the appropriate quantity to water with agitation and maintain gentle agitation during application.

Rate

- Use a 0.5% v/v solution of this product

Use between 25 and 325 gallons of total mix volume per acre, or 6-18 gallons per 10,000 square feet. The amount of total mix required to achieve adequate coverage will vary with the type, growth stage and/or spacing of the treated crop.

Use the following Rate Tables to calculate total mix volumes.

Rate Table (Per Acre)

Total Mix Volume	% v/v Solution	Amount Of Product English (Metric)
25 gal. (94.75 liters)	0.5%	16 Fl. Oz. (2 Cups) (474 ml)
50 gal. (189.50 liters)	0.5%	2 pints (4 Cups) (948 ml)
100 gal. (379.00 liters)	0.5%	2 quarts (8 Cups) (1.90 liters)

Rate Table (Per 10,000 Square Feet)

Total Mix Volume	% v/v Solution	Amount of Product English (Metric)
6 gal. (22.74 liters)	0.5%	4 Fl. Oz. (1/2 Cup) (119 ml)
18 gal. (68.22 liters)	0.5%	12 Fl. Oz. (1.5 Cups) (356 ml)

Timing of Application

Initiate applications as soon as pest is observed. Repeat applications, as necessary, at intervals of 7 - 10 days to maintain control.

Test Application

This product has been tested on many crops and ornamentals. However, it is not possible to evaluate all plant species or varieties for tolerance to this product. Test AVACHEM SORBITOL OCTANOATE [90%] for possible phytotoxic

responses by treating a few plants at the label use rate prior to large scale use.

Mixing

The user at his discretion can tank mix pesticides currently labeled for the same crop unless the product labels specifically prohibit such use. AVACHEM SORBITOL OCTANOATE [90.0%] has not been extensively tested for use in tank mixes with many commonly used insecticides, fungicides or spray tank adjuvants. Test all tank mix combinations for physical compatibility by first performing a jar compatibility test using proper proportions of chemicals and water.

- Always determine the compatibility of water, pesticides and other tank additives, such as penetrators, spreader stickers or activators, gibberellic acid, calcium nitrate or diatomaceous earth, foliar nutrients and alkaline based chelating agents such as EDTA, with this product prior to addition to the spray tank.
- For best results, use freshly mixed spray made with soft water. If water has high mineral content (hardness >300 ppm or 17.5 grains/gallon), check for compatibility as described above. If needed, add a compatibility agent to the tank prior to the addition of this product. Do not lower the pH of the final spray mixture below 7.0.
- If foaming occurs in sprayers equipped with an agitator, use a defoaming agent.
- Use freshly prepared spray solutions.

When using this product in a tank mix, read and follow all product labels. Mix in this order:

- Compatibility agent (if needed)
- Wettable and soluble powders
- Flowable liquids
- Emulsifiable oils and concentrates
- AVACHEM SORBITOL OCTANOATE [90.0%]

- Application of spray mixtures must conform to use precautions and directions for all products included in the tank mix; follow the most restrictive label text. Spray promptly after mixing and keep combinations agitated to achieve and maintain the suspension.

Application

- Apply this product with ground spray equipment. Do not apply this product through any type of irrigation system.
- This product must come into contact with the

targeted pests to be effective. Complete coverage of plant foliage is essential for maximum control.

- If mixing with other pesticides, apply promptly to avoid or reduce alkaline hydrolysis of certain pesticides.

INSECTICIDAL/MITICIDAL USES

VEGETABLES, HERBS AND SPICES

(Greenhouse and Outdoor)

Vegetables: Artichoke, Asparagus, Brassica (cole), (such as: bok choy, broccoli, broccoli raab, Brussels sprouts, cabbage, cauliflower, Chinese broccoli, Chinese cabbage, collard greens, kale, kohlrabi, mustard greens and napa cabbage), **Bulb** (such as: green onion, leeks, garlic, onion and shallot), **Cucurbit** (such as: cucumber, melon, pumpkin and summer squash), **Fruiting** (such as: eggplant, pepper and tomato), **Leafy** (such as: celery, endive, escarole, lettuce, spinach and Swiss chard), **Legume** (such as: bean, pea and soybean), **Root and tuber** (such as: beet, carrot, horseradish, potato, radish, rutabaga, sugarbeet and yam), **Herbs and spices** (such as: basil, chive, dill, marjoram, mint, parsley and sage), **Watercress.**

Pests Controlled: Aphids, caterpillars, leafhoppers, mites, thrips, whiteflies.

FRUIT AND NUT CROPS

Citrus fruits (such as: citron, grapefruit, kumquat, lemon, lime, tangelo, and tangerine), **Pome fruits** (such as: apple, crabapple, pear and quince), **Stone fruits** (such as: apricot, cherry, nectarine, peach, plum and prune), **Small Fruits and Berries** (such as: blackberry, blueberry, cane berries, cranberry, currants, grape, raspberry, strawberry, boysenberry, and olallieberry) **Tree nuts** (such as: almond, chestnut, filbert, pecan, pistachio, black and English walnut).

Pests Controlled: Aphids, glassy-winged sharpshooter, leafhoppers, mites, mealy bug, psyllid, soft scale, thrips, whiteflies.

FIELD CROPS

Alfalfa, Canola, Cotton, Peanut, Soybean, Tobacco and Wheat

Pests Controlled: Aphids, caterpillars, mites, thrips, whiteflies.

HOPS, COFFEE, BANANA AND PINEAPPLE

Pests Controlled: Aphids, leafhoppers, mealy bug, mites, plant bug, soft scale, thrips, whiteflies.

ORNAMENTAL LANDSCAPE TREES AND SHRUBS, CHRISTMAS TREES, ROSES, FLOWERS AND BEDDING PLANTS

Pests Controlled: Adelgid, aphids, lace bug, leafhopper, mealy bug, mites, plant bug, psyllid, soft scale, tent caterpillar, thrips, whiteflies.

WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE. Remedy for any breach of warranty is limited to replacement of the defective product. (3) AVA Chemical assumes no responsibility for any patent liability arising from the use of the product in a process, manner or formula not designed by AVA Chemical. Nothing in the listed information shall be construed as an inducement or recommendation to use any process or to produce or use the product in conflict with existing or future patents.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

Pesticide Storage: Store in a cool, dry location.

Pesticide Disposal: Wastes resulting from the use of this product must 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 by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

WARRANTY STATEMENT, DISCLAIMER

AVA Chemical Ventures, L.L.C. (AVA Chemical) seeks to present reliable information concerning the composition, properties and use of the product; however, to the extent permitted by law: (1) All advice concerning selection and use of this product is provided at no charge and with no warranty. (2) No warranty is made hereby. The product described herein is warranted to conform to AVA Chemical specifications, therefore, only at the time of sale. THIS WARRANTY IS EXCLUSIVE AND IN LIEU OF ANY AND ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, ARISING BY LAW OR CUSTOM, INCLUDING BUT NOT BY WAY OF LIMITATION, THE IMPLIED WARRANTY OF MERCHANTABILITY AND THE IMPLIED