66330-38 11-11-2004 on reverse before completing form. Form Approved. OMB No. 2070-0060. Approvel expires 2 **OPP Identifier Number** Registration **United States Environmental Protection Agency Amendment** Washington, DC 20480 Other Application for Pesticide - Section I . Company/Product Number 2. EPA Product Manager 3. Proposed Classification 66330-38 Marilyn Mautz Restricted None 4. Company/Product (Name) PM# Kanemite 15 SC Miticide 5. Name and Address of Applicant (Include ZIP Code) 6. Expedited Reveiw. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling Arvesta Corporation 100 first Street, Suite 1700 EPA Reg. No. San Francisco, CA 94105 Check if this is a new address **Product Name** Section - II Final printed labels in repsonse to Amendment - Explain below. NOTIFICATION Agency letter dated "Me Too" Application. Resubmission in response to Agency letter dated \_\_\_ NOV 1 1 2004 Notification - Explain below. Other - Explain below. Explanation: Use additional page(s) if necessary. (For section I and Section II.) Notification of minor label changes not described in Section II.A.-M. and Section III per Notice 98-10. Revisions were made to (1) delete the use on impatiens, (2) to change the application rate from 0.3 lb ai/A to a range of 0.2-0.3 lb ai/A., and (3) to change the water volume from 100 GPA to a range of 100 to 250 GPA for almonds and pistachios and 100 to 400 GPA for pome fruits. This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or confidential statement of formula of this product. I understand that it is a violation of 18 1 S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under section 12 and 14 of FIFRA. Section - III 1. Material This Product Will Be Packaged In: Unit Packaging Water Soluble Packaging 2. Type of Container Child-Resistant Packaging Matal Yes Yes Plastic No No No Glass Paper If "Yes" If "Yes" No. per No. per \* Certification must Unit Packaging wgt. Other (Specify) container Package wgt be submitted 3. Location of Net Contents Information 5. Location of Label Directions 4. Size(s) Retail Container On label 1 pint, 1 quart, 1 gallon 6. Manner in Which Label is Affixed to Product Other Lithograph Paper glued Stenciled Section - IV 1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.) Title Telephone No. (Include Area Code) Name Audrey Sehn 415 536-3481 Project Manager 6. Date Application Certification

I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowlinglly false or misleading statement may be punishable by fine or imprisonment or

3. Title

5. Date

Project Manager

both under applicable law.

4. Typed Name

Audrey Sehn

Eudery Shi

October 27, 2004

Repoived

(Stamped)

### KANEMITE<sup>™</sup> 15 SC

**NOTIFICATION** 

MITICIDE

NOV 1 1 2004

FOR USE ON COMMERCIAL GREENHOUSE, SHADEHOUSE, ORNAMENTAL, FLORAL, FOLIAGE AND ORNAMENTAL NURSERY CROPS; ALSO FOR USE ON POME FRUITS, CITRUS, ALMONDS, PISTACHIOS AND STRAWBERRIES

Inert Ingredie			84:2%
*3-dodecyl-1, 4-6	dihydro-1, 4-dioxo-2-naphthyl-acetate.		• • •
Contains 1.25	lb ai/gal.	· -	1 4
	KEEP OUT OF REACH OF CHILDREN		<b></b>
	CAUTION		e 1
See	back panel for additional precautionary statem	ents.	
Produced for ARVESTA CO 100 First Stre San Francisco	RPORATION EPA Registration et, Suite 1700 EPA Est. No		30-38
	FIRST AID		<del></del>
If inhaled  If on skin or clothing	<ul> <li>Move person to fresh air.</li> <li>If person is not breathing, call 911 or an an give artificial respiration, preferably by me if possible.</li> <li>Call a poison control center or doctor treatment advice.</li> <li>Take off contaminated clothing.</li> <li>Rinse skin immediately with plenty of w minutes.</li> <li>Call a poison control center or doctor</li> </ul>	outh-to-mor for for	urther

Hold eye open and rinse slowly and gently with water for

15-20 minutes.

If in eyes

	<ul> <li>Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>
If swallowed	<ul> <li>Call poison control center or doctor immediately for treatment advice.</li> <li>Have person sip a glass of water if able to swallow.</li> <li>Do not induce vomiting unless told to do so by the poison control center or doctor.</li> <li>Do not give anything by mouth to an unconscious person.</li> </ul>

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

## FOR 24-HOUR EMERGENCY MEDICAL ASSISTANCE: CALL 1-800-228-5635 Ext. 174

FOR 24-HOUR CHEMICAL EMERGENCY (Spill, Leak, Fire or Accident)

ASSISTANCE:

CALL CHEMTREC 1-800-424-9300

#### PRECAUTIONARY STATEMENTS

#### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**CAUTION.** Causes moderate eye irritation. Avoid contact with eyes, skin or clothing. Wash thoroughly with soap and water after handling. Harmful if absorbed through skin.

#### PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Socks
- Shoes
- Chemical Resistant Gloves made of waterproof material

Follow the manufacturer's instructions for cleaning/maintaining PPE. If no such instructions exist 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.

#### **ENVIRONMENTAL HAZARDS**

This product is toxic to aquatic invertebrates such as Eastern oysters and mysid shrimp. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. Do not contaminate water when cleaning equipment or disposing of equipment washwaters.

#### **Surface Water Statement**

This product may contaminate water through drift of spray in wind. This product has a potential for runoff for several days after application. Poorly draining soils and soils with shallow water tables are more prone to produce runoff that contains this product. A level, well maintained vegetative buffer strip between areas to which this product is applied and surface water features such as ponds, streams, and springs will reduce the potential for contamination of water from rainfall-runoff. Runoff of this product will be reduced by avoiding applications when rainfall is forecasted to occur within 48 hours. Sound erosion control practices will reduce this product's contribution to surface water contamination.

#### **DIRECTIONS FOR USE**

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

Carefully read and understand the Directions for Use and restrictions before applying this product.

Do not apply this product in any 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 on this label about personal protective equipment (PPE), notification to workers 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 entry into treated areas during restricted entry interval (REI) of 12 hours.

PPE required for early entry into 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, socks, shoes, chemical resistant gloves made of waterproof material.

#### **GENERAL INFORMATION**

KANEMITE 15 SC is a miticide for the control of Two-spotted spider mite (*Tetranychus urticae*) and Spruce spider mite (*Oligonychus ununquis*) on ornamentals and ornamental nursery plants. This product also controls Two-spotted spider mite (*Tetranychus urticae*) and European red mite (*Panonychus ulmi*) on almonds, pistachios and pome fruit. Citrus red mite (*Panonychus citric*) and Texas citrus mite (*Eutetranychus banski*) on citrus and Two-spotted spider mite (*Tetranychus urticae*) and Strawberry spider mite (*Tetranychus turkestani*) on strawberries. When applied to the foliage as directed, KANEMITE 15 SC provides quick knockdown and long residual control. Due to its unique mode of action, KANEMITE 15 SC does not show cross-resistance to existing miticides and is very effective against various species of resistant and susceptible mites. KANEMITE 15 SC is relatively harmless to most predacious mites and beneficial insects, making it compatible with IPM and resistance management programs.

NOTICE TO USER: Plant tolerance to this product has been found to be acceptable in research trials for the general plant species listed on the label. However, due to the large number of species and their associated varieties or cultivars of ornamental and ornamental nursery plants, and due to variable growing conditions, it is impossible to test every plant variety or cultivar for tolerance to this product. Neither the Manufacturer nor the Seller has determined whether or not this product can be safely used on all ornamental or ornamental nursery plants. The user should determine if this product can be used safely prior to commercial use. In a smaller test area, test the recommended rates on plants for phytotoxicity prior to general use.

#### RESISTANCE MANAGEMENT

Due to its new and unique mode of action, KANEMITE 15 SC does not show cross-resistance, however, in order to reduce selection pressure, which can lead to the development of resistance, the following strategies are recommended. Since KANEMITE 15 SC is relatively harmless to predator mite and beneficial insects, it can be compatible with IPM and resistance management programs.

- 1. Incorporate IPM techniques into your insect/mite control program.
- 2. Ensure thorough spray coverage of all foliage.
- 3. Always apply KANEMITE 15 SC at the recommended rates and according to label recommendations as soon as threshold infestations are observed.
- 4. Do not use KANEMITE 15 SC in successive applications. Rotation with other miticides having different modes of action is recommended.

#### PLANT TOLERANCE

Neither the manufacturer nor the seller has determined whether or not KANEMITE 15 SC can be used safely on all varieties and cultivars. KANEMITE 15 SC has been tested on a variety of plants with no phytotoxicity observed at label rates. Since all plant species and their varieties and cultivars have not been tested for tolerance, it is recommended that a small number of plants be sprayed to make certain that no phytotoxicity occurs, prior to any large scale application to plants. The end user assumes all risks arising from application of KANEMITE 15 SC in a manner inconsistent with its labeling.

#### **COMPATIBILITY OF MIXTURES**

KANEMITE 15 SC can be combined with most commonly used pesticides with the exception of strongly alkaline material, which can reduce the activity of this product. **DO NOT** combine KANEMITE 15 SC with Phosethyl (Fosetyl). To obtain broad-spectrum insect control, KANEMITE 15 SC can be tank-mixed with most other miticide/insecticide products. However, all plant species and their varieties and cultivars have not been tested with possible tank mix combinations, sequential pesticide treatments and adjuvants and surfactants. The user should conduct a spray mix compatibility and phytotoxicity trial under local conditions to ensure compatibility prior to any large-scale use.

#### PREPARATION OF SPRAY SOLUTION

Begin with clean equipment. Add sufficient clean water to the spray tank for one-half of the mix load. Start tank agitation. Add and properly suspend the necessary amount of product before adding any other products. Agitate to ensure thorough mixing while adding the remaining required water. A high quality wetting agent or other spray adjuvant, approved for use on your crop, may be added to spray solutions according to the manufacturer's use instructions. KANEMITE 15 SC should be properly suspended and diluted prior to the addition of any adjuvant. Consult the adjuvant label or manufacturer for crop tolerance and safety information when used with this product. Maintain agitation during mixing and application. DO NOT allow the spray mixture to stand without agitation. If agitation is stopped for any reason, the spray solution must be thoroughly re-mixed prior to any further use. Apply with properly calibrated spray equipment.

#### **APPLICATION**

KANEMITE 15 SC should be applied when threshold populations are observed. Do not wait until large mite populations have been established.

Apply KANEMITE 15 SC in sufficient water to ensure uniform and thorough coverage of foliage. Thorough coverage is required for optimum control. To achieve adequate coverage, use proper spray pressures, nozzles, nozzle spacing, and water volume per acre.

When used as directed, KANEMITE 15 SC is effective for the control of a variety of mite species, but is not effective against rust mites. KANEMITE 15 SC shows efficacy on all mite life stages of susceptible mites. Using KANEMITE 15 SC in successive miticide applications is not recommended. Use KANEMITE 15 SC as part of a sound resistance management program that includes rotation with other miticide treatments having different modes of action.

**GENERAL RESTRICTION AND LIMITATIONS:** Do not apply this product through any type of irrigation system. Do not use KANEMITE 15 SC in successive miticide applications. Use KANEMITE 15 SC in rotation with other treatments having different modes of action. Not for use in or around residential areas. Do not apply by air. Do not apply within 75 feet of aquatic areas.

## GREENHOUSE AND SHADEHOUSE ORNAMENTALS AND ORNAMENTAL NURSERY PLANTS

For control of Two-spotted spider mite (*Tetranychus urticae*) and Spruce spider mite (*Oligonychus ununquis*) mix 6.4–12.8 fluid ounces of KANEMITE 15 SC in 100 gallons of water (0.06-0.125 lb ai/100 gal of water) and apply as a full coverage spray to the foliage to drip except for roses and impatiens—where the maximum application rate is 6.4 fluid ounces in 100 gallons of water (0.06 lbs ai/100 gal of water) (Table 1. and 2.). Actual spray volume will vary depending on the size of plants being sprayed. Application should be made as soon as mite population reach economic infestation levels.

Table 1. Application Rate For Floral, Foliage and Ornamental Nursery Crops (For Roses and Impatiens See Table 2). DO NOT USE ON MINIATURE ROSES OR IMPATIENS.

PEST	Rate of product per 100 gallons of water
Two-spotted spider mite (Tetranychus urticae)	
Spruce spider mite (Oligonychus ununquis)	6.4 fl. oz. – 12.8 fl. oz.
	(0.06 – 0.125 lbs ai/100 gal)

Do not apply more than 0.6 lb ai/A per crop cycle.

Table 2. Maximum Application Rate for Roses (Except Miniature Roses) and Impations

PEST	Rate of product per 100 gallons of water
Two-spotted spider mite (Tetranychus urticae)	6.4 fl. oz.
Spruce spider mite (Oligonychus ununquis)	(0.06 lbs ai/100 gal)

Do not apply more than 0.34 lb ai/A per crop cycle.

#### **ALMONDS AND PISTACHIOS**

For control of two-spotted spider mite (*Tetranychus urticae*) and European red mite (*Panonychus ulmi*), apply at a-an appropriate rate (see table 3) of 31 fl-oz per acre (0.3 lbs ai/acre) in 100 to 250 gallons of water. Do not use less than

100 gallons of water volume per acre. Allow a minimum of 21 days between treatments. Do not apply by air. Do not make more than two applications of KANEMITE per year. Do not apply more than a total of 62 fl oz of KANEMITE 15 SC per acre (0.6 lbs ai/acre) per season. Preharvest interval is 7 days. Note the restricted entry interval (REI) is 12 hours.

#### **CITRUS (ORANGES, GRAPEFRUIT, LEMONS)**

For control of Citrus red mite (*Panonychus citri*) and Texas citrus mite (*Eutetranychus banksi*), apply at a an appropriate rate (see table 3) of 31 fl oz per acre (0.3 lbs ai/acre). Do not use less than 100 gallons of water volume per acre. Allow a minimum of 21 days between treatments. Do not apply by air. Do not make more than two applications of KANEMITE per year. Do not apply more than a total of 62 fl oz of KANEMITE 15 SC per acre (0.6 lbs ai/acre) per season. Preharvest interval is 7 days. Note the restricted entry interval (REI) is 12 hours.

#### POME FRUITS (APPLES AND PEARS)

For control of two-spotted spider mite (*Tetranychus urticae*) and European red mite (*Panonychus ulmi*), apply at a an appropriate rate (see table 3) of 31 fl oz per acre (0.3 lbs ai/acre) in 100 to 400 gallons of water. Do not use less than 100 gallons of water volume per acre. Allow a minimum of 21 days between treatments. Do not apply by air. Do not make more than two applications of KANEMITE per year. Do not apply more than a total of 62 fl oz of KANEMITE per acre (0.6 lb ai/acre) per season. Preharvest interval is 14 days. Note the restricted entry interval (REI) is 12 hours.

#### **STRAWBERRIES**

For control of two-spotted spider mite (*Tetranychus urticae*) and Strawberry spider mite (*Tetranychus turkestani*) apply at a-an appropriate rate (see table 3) of 31 fl oz per acre (0.3 lb ai/acre). Do not use less than 100 gallons of water volume per acre. Allow a minimum of 21 days between treatments. Do not apply by air. Do not make more than two applications of KANEMITE 15 SC per year. Do not apply more than a total of 62 fl oz of KANEMITE 15 SC per acre (0.6 lb ai/acre) per season. Preharvest interval is 1 day. Note the restricted entry interval (REI) is 12 hours.

**Table 3. Application Rates** 

CROP	PEST	Rate of product per Acre*
Almonds	Two-spotted spider mite (Tetranychus urticae)	21 to 31 fl oz.
	Européan red mite (Panonychus ulmi)	( <u>0.2 - 0.3</u> lbs ai/acre)
Citrus	Citrus red mite (Panonychus citri)	
	Texas citrus mite (Eutetranychus banksi)	
Pome Fruit	Two-spotted spider mite (Tetranychus urticae)	
	European red mite (Panonychus ulmi)	

Strawberries	Two-spotted spider mite (Tetranychus	
, i	urticae)	
	Strawberry spider mite (Tetranychus	
	turkestanî)	

\*To provide maximum control, apply KANEMITE 15 SC before mite populations exceed economic thresholds. The 21 fl. oz. rate of KANEMITE 15 SC can be used where mite infestations are light. The 31 fl. oz. rate should be used to treat heavy infestations or when extended residual control is required. The 21 fl. oz. rate of KANEMITE 15 SC may require an additional treatment under high pressure or continual re-infestation.

# RESTRICTION AND LIMITATIONS FOR ALMONDS, CITRUS, PISTACHIOS, POME FRUIT AND STRAWBERRIES NOT LISTED UNDER GENERAL RESTRICTIONS AND LIMITATIONS

- Maximum seasonal use rate: Do not apply more than a total of 62 fl oz of KANEMITE 15 SC per acre per season.
- Do not make more than two applications of KANEMITE 15 SC per year.
- Allow a minimum of 21 days between applications of KANEMITE 15 SC.
- Pre-Harvest Interval (PHI): Refer to Table 4 below.
- Restricted Entry Interval (REI): 12 hours.
- Do not use less than 100 gallons of water volume per acre.
- Crops other than strawberries may not be rotated for at least one year following treatment of strawberries.

Table 4. Crop-Specific Restrictions and Limitations

CROP	Pre-Harvest Interval (PHI)	Maximum Rate Per Acre Per Application	Maximum Rate Per Acre Per Season	Aircraft Application
Almond	7 days	31 fl oz	62 fl oz	No
Citrus	7 days	31 fl oz	62 fl oz	No
Pome Fruits	14 days	31 fl oz	62 fl oz	No
Pistachio	7 days	31 fl oz	62 fl oz	No
Strawberries	1 day	31 fl oz	62 fl oz	No

#### STORAGE AND DISPOSAL

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

**PESTICIDE STORAGE:** Store in a dry place away from excessive heat. Do not store near food or feed. Store in original container only. To close package, replace and tighten cap to form an airtight seal.

**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 (if allowed by State and local authorities) by burning. If burned, stay out of smoke.

#### **CONDITIONS OF SALE**

- Arvesta Corporation warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in accordance with the Directions for Use under normal conditions of use.
- 2. This warranty does not extend to the use of this product contrary to label instructions, or under abnormal use conditions, or under conditions not reasonably foreseeable to Arvesta. ARVESTA DISCLAIMS ALL OTHER WARRANTIES. EXPRESSED OR IMPLIED. INCLUDING WARRANTY OF FITNESS OR MERCHANTABLITY. SELLER SHALL NOT BE LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT. AND SELLER'S SOLE LIABILITY AND BUYER'S AND USER'S EXCLUSIVE REMEDY SHALL BE LIMITED TO THE REFUND OF THE PURCHASE PRICE. ARVESTA DOES NOT AUTHORIZE ANY AGENT OR REPRESENTATIVE TO MAKE ANY OTHER WARRANTY. **GUARANTEE OR REPRESENTATION CONCERNING THIS PRODUCT.**
- 3. Critical and unforeseeable factors beyond Arvesta's control prevent Arvesta from eliminating all risks in connection with the use of this product. Such risks include, but are not limited to, damage to plants and crops to which the product is applied, lack of complete control, and damage caused by drift to other plants or crops. Such risks occur even though the product is reasonably fit for the use stated on the label and even though label directions are followed. Except as stated in 1 above, Buyer and User acknowledge and assume all risks and liabilities resulting from handling, storage, and use of this product.

KANEMITE™ is a trademark of Arvesta Corporation.



Arvesta Corporation 100 First Street, Suite 1700 San Francisco, CA 94105 Tel (415) 536-3480 Fax (415) 284-9883 www.arvesta.com

October 27, 2004

.Marilyn Mautz
Document Processing Desk (NOTIF)
Office of Pesticide Programs (7504C)
U.S. Environmental Protection Agency
Room 266A, Crystal Mall 2
1801 South Bell Street
Arlington, VA 22202-4501

SUBJECT: Notification of Minor Label Changes

Kanemite 15 SC Miticide; EPA Reg. Number 66330-38

Dear Marilyn:

This letter serves to notify that minor label changes not described in Section II.A-M. and Section III per Notice 98-10 were made to the Kanemite 15 SC Miticide label. The following revisions were made:

- (1) Deleted the use on impatiens
- (2) Changed the application rate from 31 fl oz. (0.3 lb ai/A) to a range of 21 to 31 fl oz. (0.2-0.3 lb ai/A) for pome fruit, citrus, almonds and pistachios.
- (3) Changed the water volume from 100 GPA to a range of 100 to 250 GPA for almonds and pistachios and 100 to 400 GPA for pome fruits.

These changes are consistent with 40 CFR Part 156 and involve no change in ingredient statement, signal word, use classification, precautionary statement, first aid, physical/chemical/biological properties, storage and disposal or directions for use.

In support of this notification enclosed is:

(1) Completed application for Registration (EPA form 8570-1)

(2) One (1) copy of the labeling with the changes clearly marked.

Please contact me if you have any questions at 415-536-3481.

Sincerely,

(tercley Llu-Audrey Sehr