



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OCT 29 2003

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Nancy E.H. Wright
Project Leader
Sunoco, Inc. (R&M)
1801 Market Street
Philadelphia, PA 19103

Subject: Label Amendment: First Aid (per PR Notice 2001-1).
Sunspray 9E
EPA Reg. No. 862-19
Submission of January 14, 2003, accepted with comments

Dear Ms. Wright:

The labeling referred above submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable with the following comments:

- 1) Delete "for terrestrial uses" from the Environmental Hazards-only terrestrial uses on the label.
- 2) "Total" should be placed in line with the 100% and the additional (qualitative) information about the product should be further spaced from the "content" listing.

A stamped copy "accepted with comments" of the label is enclosed for your records. Please submit two copies of the final printed label for our records. If you have any questions please call me at (703) 308-8328.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Akiva Abramovitch".

Akiva Abramovitch, Ph.D.

Chemist

Insecticide-Rodenticide Branch
Registration Division (7505C)

SUNSPRAY 9E

A superior horticultural spray oil for insect and mite pest management.

Active ingredient: Refined Petroleum Distillate*	98.8 wt%
Other ingredient: Emulsifier.....	1.2 wt%
	100.0 wt%
*Unsulfonated Residue of Petroleum Distillate	92.0% Min
*50% Distillation Point of Petroleum Distillate	455.0°F
*Flash Point	375.0°F
Weight per Gallon	7.2 lbs.

CAUTION: KEEP OUT OF THE REACH OF CHILDREN

FIRST AID

If swallowed:

Immediately call a poison control center or doctor.
DO NOT INDUCE VOMITING unless told to do so by a poison control center or doctor.
 Do not give any liquid to the person. Do not give anything by mouth to an unconscious person.

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 the eye.
 Call a poison control center or doctor for treatment advice.

If on skin or clothing:

Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes followed by washing with soap & water.
 Call a poison control center or doctor for treatment advice.

If inhaled:

Move person to fresh air. Call a poison control center or doctor for further treatment advice.

HOT LINE NUMBER

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-864-8861 for emergency medical treatment information.

NOTE TO PHYSICIAN

Contains petroleum distillate - vomiting may cause aspiration pneumonia. Aspiration may occur after swallowing or vomiting and results in serious, and sometimes delayed, lung injury.

Approved by the California Safe Pesticide, Insect and Toxic Enforcement Act of 1992
 Pesticide # 862-19, otherwise known as Sunspray 9E. ATTENTION: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

EPA Registration No. 862-19

See Additional Precautionary Statements Inside Booklet. See Directions For Use Inside Booklet

RECEIVED
 with COMMENTS
 In EPA Letter Dated:

OCT 29 2003

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

862-19

PRECAUTIONARY STATEMENTS

Hazards to humans & domestic animals

CAUTION: Avoid contact with eyes, skin and clothing. Harmful if swallowed. Avoid breathing of spray mists or vapors. Avoid contamination of feed and foodstuffs.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:
Long-sleeved shirt and long pants
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.

ENVIRONMENTAL HAZARDS

This product is toxic to fish. For terrestrial uses, 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 by cleaning of equipment or disposal of wastes. Do not contaminate water when disposing of equipment washwaters. Apply this product only as specified on this label.

STORAGE AND DISPOSAL

- 1. Prohibitions:** Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited.
- 2. Storage:** Store in a cool, dry, locked area out of the reach of children. Keep oil container tightly closed in storage to prevent entry of water.
- 3. Pesticide Disposal:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.
- 4. Container Disposal:** Metal: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities. Plastic: 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.

LIMITED WARRANTY AND LIABILITY

This product conforms to the description and is suitable for the uses set forth on this label but is strictly limited to those uses solely as directed under the specified label conditions, and only if purchased in the original unopened container. **MANUFACTURER AND SELLER DISCLAIM ANY AND ALL WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO WARRANTIES OF MERCHANTABILITY AND FITNESS FOR PARTICULAR PURPOSE** (except as specified on this label). Buyer and all users shall assume all risk, liability and damage if this product is used, stored, handled or applied other than as specifically set forth on this label. **LIABILITY OF MANUFACTURER AND SELLER AND USER'S REMEDIES SHALL BE LIMITED TO REFUND OF THE PURCHASE PRICE OR REPLACEMENT OF THE SPECIFIC QUANTITY INVOLVED. IN NO EVENT SHALL MANUFACTURER OR SELLER BE LIABLE FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES.**

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 through any type of irrigation system. 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, 40CFR 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 4 hours.

PPE required for 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

CONTROLS

A wide range of mite and insect pests in the egg stage such as: spider and eriophyid mites, armored and soft scales, mealybugs, psyllids, whiteflies, aphids, leafrollers, leafhoppers, webworms, cankerworms, plant bugs, leafhoppers and adelgids. Will kill other immature forms if spray covers the insect.

MIXING DIRECTIONS

1. Add sufficient water to the mixing tank to allow proper agitation by pump or paddles.
2. Add other desired pesticide. If wettable powder formulation, mix the water and powder thoroughly so that the powder is totally suspended in the water before the oil is added. If other pesticide to be added is an emulsifiable formulation, do so after the oil and water have been thoroughly mixed.
3. Add oil under agitation when tank is 3/4 full topping off with water to form milky solution.
4. Maintain agitation until solution is used.
5. In small equipment lacking agitators, stir or shake diluted spray frequently during application.
6. It is important for users to read and follow all directions and restrictions on the labels of the proposed tank mix products.
7. Flush fluid in sprayer hose lines back into tank reservoir if fluid is allowed to stand for more than 20 minutes.

APPLICATION INSTRUCTIONS

The target pest must be completely covered with spray. Oil residue on the plant surface often acts as a feeding and ovipositioning deterrent. However, the primary target is the pest itself as oil is a contact pesticide. Spray only when the temperature is above 40°F and there is no danger of freezing.

DILUTE APPLICATIONS (greater than 150 gallons spray per acre) in most cases ensures the best coverage.

CONCENTRATE APPLICATIONS (usually 45 to 125 gallons spray per acre) may reduce coverage and

effectiveness. Concentrate application includes the use of low volume (from 10 to 100 gallons spray per acre) air blast or air-carrier sprayers. A concentrate application can provide satisfactory results as long as the spray unit is properly engineered, calibrated and operated. Speed of travel for ground application is extremely important. Tractor speed from 1 M.P.H. to 4 M.P.H. is recommended depending on crop, crop size and target pest.

Low volume applications of Sunspray 9E will require the same amount of oil per acre as dilute sprays but applied with much less water. Spray oil calculations should be based on no run off of the oil phase of the mixture.

AERIALAPPLICATIONS Use only as an emergency application when soil conditions do not permit regular ground application. Helicopter only. Apply quantity of product shown for each listed crop for control of listed insects in sufficient water to make a minimum of 20 gals. dilute spray per acre.

TIMING THE TREATMENT

The applicator must determine the precise timing to fit local growth and climatic conditions.

DO NOT EXCEED MAXIMUM RATES OR APPLY MORE OFTEN THAN RECOMMENDED

ORNAMENTAL PLANTS

Oil removes the glaucous (blue) bloom from such evergreens as Colorado blue spruce and Koster spruce. Do not spray to walnut foliage. Use lower dosage on oil sensitive plants such as chamaecyparis, cryptomeria, Japanese Holly, Juniper, Spruce and Smoke Tree. Tendency toward sensitivity: Red Cedar and Douglas Fir. Use with caution and reduced dosage for dormant application on Sugar Maple and Redbud.

CITRUS

Oils applied after October may increase cold damage to trees. Oils applied in August and September may affect solid contents and retard coloring.

CAUTION

Keep oil container tightly closed in storage to prevent entry of water. Store drum on its side. Roll drum before use. All horticultural oils interfere with or slow plant transpiration and respiration during the period of evaporation. Phytotoxicity may result if sprayed to plants during periods of prolonged high temperature and high relative humidity. Do not spray to plants under moisture stress. Do not use in combination with or immediately before or after spraying with Chloropropylate, Dinitro compounds, Morocide and Omite or fungicides such as Captan, Folpet, Dichlone, Dilkar, Dyrene, Karathene, Morestan or any other product containing sulfur. If possible, either keep the spray equipment used for these compounds separate from the equipment used for oil, or make sure that the sprayer is thoroughly cleaned so that no residue from these compounds remain. Do not use with Sevin brand 50W carbaryl on deciduous fruit trees. Also do not use with dimethoate.

TANK MIXES

It is important for users to read and follow all directions and restrictions on the labels of the proposed tank mix products. Check tank mixture for physical and chemical compatibility. Mix only enough material to do the job.

Note: This pesticide is to be sold only in this original unopened container.

Crops	Insect Control Aid	Application Rate - Gallons OH			Time of Application (Stage of Development)
		Dilute Spray per 100 Gal. Water	Concentrate per 20-125 Gal. Water	Aerial* Min. 20 Gal. Spray	
Apples	Apple Red Bug	2	6	6	Dormant
	European Fruit Lecanium Scale	2	6	6	Dormant
	Fruit Tree Leaf Roller	3	6	6	Dormant
	European Red Mite	2	6	6	Green Tip to Delayed Dormant 1/2" Green
	San Jose Scale	2	6	6	Delayed Dormant 1/2" Green
	Scurfy Scale	3	6	6	Delayed Dormant 1/2" Green
Pears	Fruit Tree Leaf Roller	3	4	4	Dormant
	Pear Leaf Blister Mite	3	4	4	Dormant
	Pear Psylla	2	4	4	Late Dormant
Pecans	Obscure Scale	3	6	6	Dormant
Peaches	Cottony Peach Scale	3	4	6	Dormant
Plums & Prunes	European Red Mite	2	6	6	Dormant to Delayed
	European Fruit Lecanium Scale	2	6	6	Dormant 1/2" Green
Nectarines	San Jose Scale	2	4	6	Dormant
Cherries (sweet & tart)	San Jose Scale	2	4	6	Dormant
Blackberries	San Jose Scale	2	NR	NR	Dormant
	Putnam Scale	3			Dormant

* Aerial application should be used only as emergency application when soil conditions do not permit regular ground application (helicopter only)

NR = Not Recommended

Crop	Insect Control Aid	Application Rate 9E Gals. per 100 Gal. Dilute Spray	Time of Application (Stage of Development)
Azalea	Azalea Bark Scale European Red Mite	2	Dormant to Bud Break
Flower Crab	As Above	2	As Above
Flowering Cherry	As Above	2	As Above
Dogwood	Dogwood Scale San Jose Scale	2	As Above
Euonymus	San Jose Scale Euonymus Scale	2	As Above
Holly	Holly Scale	2	As Above
Hawthorn	San Jose Scale	2	As Above
Juniper	Juniper Scale	2	As Above
Lilac	San Jose Scale	2	As Above
Pines	Pine Needle Scale	2	As Above
Privet	White Peach Scale	3	As Above
Rhododendron	Azalea Bark Scale	2	As Above
Rose	Rose Scale	2	Dormant
Spiraea	San Jose Scale	2	Dormant to Bud Break

Crops	Insect Control Aid	Dilute Gals./100 Gals.	Concentrate* Gal./Acre
Citrus	Citrus Rust Mite Scale Insects Greasy Spot Disease	1	10
	Spider Mites Whitefly Loosens Sooty Mold	0.5	5

* Apply in sufficient water and manner to assure thorough distribution.

SUNSPRAY 9E

A superior horticultural spray oil for insect and mite pest management.

Active Ingredient: Refined Petroleum Distillate*	98.8 wt%
Other Ingredient: Emulsifier	1.2 wt%
	100.0 wt%
*Unsulphonated Residue of Petroleum Distillate	92.0 %Min
*50% Distillation Point of Petroleum Distillate	455.0 °F
*Flash Point	375.0 °F
Weight per Gallon	7.2 lbs.

CAUTION: KEEP OUT OF THE REACH OF CHILDREN

FIRST AID

If swallowed:

Immediately call a poison control center or doctor.

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Do not give any liquid to the person. Do not give anything by mouth to an unconscious person.

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 the eye.

Call a poison control center or doctor for treatment advice.

If on skin or clothing:

Take off contaminated clothing.

Rinse skin immediately with plenty of water for 15-20 minutes followed by washing with soap & water.

Call a poison control center or doctor for treatment advice.

If inhaled:

Move person to fresh air.

Call a poison control center or doctor for further treatment advice.

HOT LINE NUMBER

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-964-8861 for emergency medical treatment information.

NOTE TO PHYSICIAN

Contains petroleum distillate - vomiting may cause aspiration pneumonia. Aspiration may occur after swallowing or vomiting and results in serious, and sometimes delayed, lung injury.

According to the California Safe Drinking Water and Toxic Enforcement Act of 1986 Regulations, otherwise known as "Proposition 65"

ATTENTION: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

PRECAUTIONARY STATEMENTS

Hazards to humans & domestic animals

CAUTION: Avoid contact with eyes, skin and clothing.

Harmful if swallowed.

Avoid breathing of spray mists or vapors.

Avoid contamination of feed and foodstuffs.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

Long-sleeved shirt and long pants

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.

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- 4. Container Disposal:** Metal: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities. Plastic: 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.

See Additional Precautionary Statements Inside Booklet. See Directions For Use Inside Booklet

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