

	U.S. ENVIRONMENTAL PROTECTION AGENCY Office of Pesticide Programs Registration Division (7505C) 401 "M" St., S.W. Washington, D.C. 20460	EPA Reg. Number	Date of
		75395-1	JUN 23 2004
		Term of Issuance:	
NOTICE OF PESTICIDE: <input checked="" type="checkbox"/> Registration <input type="checkbox"/> Reregistration <small>(under FIFRA, as amended)</small>		Conditional	
		Name of Pesticide Product:	
		SK EnSpray 99	
Name and Address of Registrant (include ZIP Code):			
SK Corporation 99 Seorin-dong, Jongro-gu Seoul, 110-110 Republic of South Korea			
Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration 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 product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:			
1. Submit and/or cite all data required for registration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.			
2. Make the following label changes before you release the product for shipment:			
a. Revise the EPA Registration Number to read, "EPA Reg. No. 75395-1".			
3. Submit three copies of the final printed label for the record before you release the product for shipment.			
If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.			
A copy of the label stamped "accepted with comments" is enclosed for your records.			
Signature of Approving Official:		Date:	
Akiva Abramovitch, Ph.D. Chemist Insecticide-Rodenticide Branch Registration Division (7505C)		JUN 23 2004	

SK EnSpray 99

Horticultural Spray Oil

ACTIVE INGREDIENT:	
Petroleum Oil	99.0 wt%
INERT INGREDIENT:	
Biodegradable Surfactants	1.0 wt%
Total	100.0 wt%
Unulfonated Residue of Petroleum Oil 99.8 %	
50% Distillation Temp. @10mmHg 455 ± 8 °F	
Flash Point 388 °F	
Weight per Gallon 6.9 lbs.	

**ACCEPTED
with COMMENTS
In EPA Letter Dated:
JUN 23 2004**

EPA Reg. No.: 75395-R

Manufactured by SK Corporation, Republic of Korea
Distributed by

Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under EPA Reg. No.
75395-1

KEEP OUT OF REACH OF CHILDREN

CAUTION

Harmful if swallowed or absorbed through skin or inhaled
See Inside Booklet for Other Cautions

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

If Swallowed:

- Call poison control center or doctor immediately for treatment advice.
- Do not give ANY liquid to a person.
- Do not give anything by mouth to an unconscious person
- Do not induce vomiting unless told to do so by the poison control center or doctor.

If Inhaled:

- Move person to fresh air.
- If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth to mouth, if possible.
- Call a poison control center or doctor for further treatment advice.

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.

If on Skin:

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

NOTE TO PHYSICIAN: Contains petroleum distillate – vomiting may cause aspiration pneumonia. Ingestion may result in some gastroenteritis and mild diarrhea. Systemic toxicity is not expected.

FOR A MEDICAL EMERGENCY CALL: 1-800-222-1222

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Harmful if swallowed or absorbed through skin or inhaled. Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals. Do not inhale spray mist and avoid contact with skin and eyes. Wash thoroughly with soap and water after handling or accidental skin contact. Remove contaminated clothing and wash clothing before reuse.

PERSONAL PROTECTIVE EQUIPMENT

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category E on EPA chemical resistance category selection chart.

Applicators and other handlers must wear:

Long-sleeved shirt and long pants, chemical-resistant gloves, such as barrier laminate, nitrile rubber, neoprene rubber or viton and shoes plus socks.

Follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

Engineering controls statements:

When handlers use closed systems, enclosed cabs or aircraft in a manner that meets the requirements listed in the WPS (Worker Protection Standard) for agricultural pesticides [40 CFR 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

USER SAFETY RECOMMENDATIONS

Do not eat, drink or smoke whilst mixing and applying or before washing hands and face and change of clothing.

ENVIRONMENTAL HAZARDS

This product is toxic to fish. Do not apply directly to water, or to areas where surface water present or to intertidal areas below the mean high water mark. Do not contaminate water by the cleaning of equipment or disposal of wastewaters. Do not apply in any manner not specified on this label.

PHYSICAL OR CHEMICAL HAZARDS

Do not use, pour, spill or store near heat or open flame.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Keep this product in the original container tightly closed in cool and well-ventilated shed. Do not freeze. Shake container or Roll drum before use if stored over-season. Keep away from heat sparks and open flame. Do not contaminate water, food or feed by storage or disposal.

Spill Control: Eliminate all ignition sources. Dike surrounding area and absorb with sand, earth or other suitable absorbent to spill area. Keep product out of sewers and water courses. Conform with applicable government regulations.

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 by other procedures approved by State and local authorities. Consult Federal, State or local disposal authorities for approved alternative procedures.

This type of product has been used to control scales, whitefly, mites, mealybugs, aphids and thrips on vegetables, fruit crops, trees, shrubs, ornamental and greenhouse plants. It can be applied up to day of harvest.

PREHARVEST INTERVAL

No interval Required

DIRECTION 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 to treated areas during the restricted entry interval (REI) of 4 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,
- Chemical-resistant gloves, such as barrier laminate, nitrile rubber, neoprene rubber or viton and shoes plus socks.
- Chemical-resistant headgear for overhead exposure

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries or greenhouses. Do not enter treated areas without protective clothing until sprays have dried.

MIXING INSTRUCTIONS

Stir drum contents or shake container contents before use if stored over-season. Fill tank half full with water, add the correct quantity of oil and agitate thoroughly, then add remaining water. Add other compatible pesticides, if needed. Mix wettable powder with the water thoroughly before adding oil. When mix with other emulsifiable formulations, add oil to the water before add other pesticides. Thorough, continuous agitation is essential when an emulsion of this product is being used. If for any reason spraying stops before the tank is empty, agitate with the spray gun back into the tank for a few minutes before spraying recommences. When using hand held or back pack sprayer, stir and or shake diluted spray, frequently during application. Do not use this product if it does not emulsify.

USE RESTRICTIONS

Do NOT spray wet foliage. Do NOT spray when shade temperature exceeds 90°F (32°C) and when temperatures drop below 32°F (0°C), usually night-time lows. Do NOT spray when temperatures are below 50°F (10°C). Do NOT spray when trees are suffering from water stress or when the soil is dry. Do NOT spray during periods of prolonged high temperature combined with high relative humidity. Do NOT spray when the trees are in a wilted condition, or have been suffering from root diseases. Use caution and read all labels thoroughly when use this product with other chemicals, Always conduct a test spray on small number of trees for phytotoxicity before making a full scale application. Do NOT mix with any known incompatible pesticides and fungicides, such as Captan, Captafol, Carbaryl, Dinocap, Dithianon, Dyrene, Folpet, Methiocarb, Moreston, Propargite, Lime sulfur, Wettable sulfur or any other product containing sulfur. A phytotoxicity test should be carried out on one or two trees before application during the bloom period. Do Not apply within 30 days before or after a sulfur application. Do NOT exceed the maximum accumulated rates of 3% oil per annum.

APPLICATION INSTRUCTIONS

Apply when pests and diseases are present as below tables. Spray all parts of the plant, including leaves, branches and fruits. Full coverage is achieved when application reaches the point of runoff. This ensures that the target pests are completely covered with spray. Full coverage gives maximum control and protection by suffocating target pests and acting as feeding and oviposition deterrent.

For APPLES

Pests	Application Rate and Directions	Remarks
European fruit lecanium scale, Olive scale, San Jose scale, Forbes scale European red mite eggs, Rosy apple aphid eggs, Apple aphid eggs	Dormant or Delayed dormant: Apply 1-2 gals. per 100 gals. of water at 400-800 gals. per acre. Concentrate spray: Apply 4-8 gals. per acre in a minimum 20 gals. water per acre.	On susceptible varieties and young trees use the lower rate.
Fruit tree leafroller, Apple red bug, Scurfy scale, European red mite	Green Tip to Delayed dormant: Apply 1-3 gals. per 100 gals. of water at 400-800 gals. per acre. Concentrate spray: Apply 6-12 gals. per acre in a minimum 20 gals. water per acre.	Delayed dormant preferred
Two spotted spider mite, Pacific red mite, European red mite	Foliar spray: Apply 1-1.5 gals. per 100 gals. of water at 400-800 gals. per acre. Concentrate spray: Do not use more than 4 gals. per acre in a minimum 20 gals. water per acre.	

For aerial spray: Dormant and delayed dormant application only; Apply 3-5 gals. in a minimum of 15-20 gals. of water per acre. Apply by air only when soil conditions do not permit regular ground application.

For CITRUS (in California)

Pests	Application Rate and Directions	Remarks
Mites (Spider, Rust)	Apply 0.5-1.5 gals. per 100 gals. of water as a through coverage spray. Alternately, use a low volume spray to apply 1-10 gals. of oil per acre.	
Scales (Black, Brown soft, Chaff, Citricola, Purple, Red, Yellow)	Apply up to 10 gals. per acre on bearing trees up to 10 feet in height. Add 1gal. of oil per acre for each foot of tree height over 10 feet. Apply as a low volume spray 1-10 gals of oil per acre.	

Thorough coverage spray: Applications achieving a uniform film wetting of all portions of the tree at 250-4,500 gallons of spray solution per acre, the total volume is dependent of the size of the trees.

Low volume spray: Applications with droplet depositions achieved on all interior and exterior parts of the tree using 10-100 gallons of spray solution per acre.

Consult with your local University of California Cooperative Extension Specialist for proper timing and spray program.

For CITRUS (in Florida)

Pests	Application Rate and Directions	Remarks
Mites (Rust, Spider) Scales (Black soft, Brown soft, Yellow, Chaff, Glover, Purple) Whitefly	Apply 5-10 gals. per acre in sufficient water to assure thorough coverage.	Does not control citrus snow scales.
Greasy spot on grapefruit	Apply 5-10 gals. per acre in sufficient water to assure thorough coverage.	Tank mix with sufficient metallic copper fungicide to provide 4 lbs. per acre
Greasy spot on others	Apply 5-10 gals. per acre in sufficient water to assure thorough coverage.	If disease pressure is severe, tank mix with sufficient metallic copper fungicide to provide 4 lbs. per acre. Do not exceed 5 gals. of oil if copper used.
Loosening sooty mold	Apply 5-10 gals. per acre in sufficient water to assure thorough coverage.	Apply higher rate when disease pressure is heavy.

Best results can be obtained when the oil is added to a partially filled spray tank under proper agitation and all foliage is thoroughly covered.

Precautions in the use of oil include: Do not apply oil spray when trees are wilting. Do not apply oil and sulfur within 3 weeks of each other in Florida. Sensitive foliage may be injured.

Consult the Florida Citrus Pest Management Guide or your Agricultural Experiment Station or State Extension Service Specialist for complete details on the spraying program best suited to your locale.

For FIGS

Pests	Application Rate and Directions	Remarks
Fig scale	Dormant: Apply 3 gals. per 100 gals. of water at 200-600 gals. per acre. Apply 2.5 gals. per 100 gals. of water in combination with the recommended rate of insecticide registered for use on figs at 200-600 gals. of water per acre.	

For GRAPES

Pests	Application Rate and Directions	Remarks
Mealybug	Dormant: Apply 2-3 gals. plus the recommended label rate of insecticide registered for use on grapes in 200-300 gals. of water per acre.	Do not apply over 300 gals. of water per acre.

For OLIVES

Pests	Application Rate and Directions	Remarks
Olive scale, Oleander scale, Black scale Spider Mites	Pre-bloom or In post bloom: Apply 1-1.5 gals. per 100 gals. of water at 400-1,500 gals. per acre.	Can be combined with the recommended label rate of insecticide registered for use on olives per 100 gals. of water.

For PEARS

Pests	Application Rate and Directions	Remarks
European fruit lecanium scale, Olive scale, San Jose scale, European red mite eggs,	Dormant or Delayed dormant: Apply 1-2 gals. per 100 gals. of water at 400-800 gals. per acre. For Concentrate spray: Apply 4-8 gals. per acre in a minimum 20 gals. water per acre.	On susceptible varieties and young trees use the lower rate.
Pear psylla	Dormant: Apply 1-2 gals. per 100 gals. of water at 400-800 gals. per acre. Concentrate spray: Apply 4-8 gals. per acre in a minimum 20 gals. water per acre.	Apply before eggs are laid.
Fruit tree leafroller, Pear leaf blister mite	Dormant: Apply 1-3 gals. per 100 gals. of water at 400-800 gals. per acre. Concentrate spray: Apply 4-12 gals. per acre in a minimum 20 gals. water per acre.	
Two spotted spider mite, Pacific red mite, European red mite	Foliar spray: Apply 1-1.5 gals. per 100 gals. of water at 400-800 gals. per acre. Concentrate spray: Do not use more than 4 gals. per acre in a minimum 20 gals. water per acre.	

For aerial spray: Dormant and delayed dormant application only; Apply 3-5 gals. in a minimum of 15-20 gals. of water per acre. Apply by air only when soil conditions do not permit regular ground application.

For PLUMS and PRUNES in California

Pests	Application Rate and Directions	Remarks
Scales (Black, European fruit lecanium, Frosted, Olive, San Jose) Brown mite eggs, European red mite eggs, Leaf curl plum aphid eggs, Mealy plum aphid eggs	Pre-bloom when fruit buds show green: Apply 1-1.5 gals. per 100 gals of water at 300-600 gals. per acre. . Concentrate spray: Apply 6-8 gals. per acre in a minimum 20 gals. water per acre.	Application at this time is preferred.
Mites (Brown, European red, Pacific, Two spotted spider)	Foliar spray: Apply 0.5-1 gals. per 100 gals. of water at 300-600 gals. per acre. Concentrate spray: Apply 4-6 gals. per acre in a minimum 20 gals. water per acre.	Certain varieties of plums and prunes may be injured by oil sprays, check for tolerance prior to application.

For aerial spray: Dormant and delayed dormant application only; Apply 3-5 gals. in a minimum of 20 gals. of water per acre. Apply by air only when soil conditions do not permit regular ground application.

For WALNUTS

Pests	Application Rate and Directions	Remarks
Scales (Black, Calico, European fruit lecanium, Frosted, Olive, San Jose) European red mite eggs, Walnut aphid eggs	Delayed Dormant: Apply 4-6 gals. per 100 gals of water at 200-500 gals. per acre. .	Trees must be fully dormant.
Spider mites Soft scales	Foliar spray: Apply 4-6 gals. per acre in 200-500 gals. water per acre.	When leaves fully expanded.

For OTHER NUT and FRUIT TREES (on Almonds, Apricots, Cherries, Nectarines, Peaches, Plums, Prunes)

Pests	Application Rate and Directions	Remarks
Scales (Black, European fruit lecanium, Frosted, Olive, San Jose) European red mite eggs, Brown mite eggs, Fruittree leafroller eggs	Dormant or Delayed dormant: Apply 1-2.5 gals. per 100 gals. of water at 300-600 gals. per acre. Concentrate spray: Apply 4-8 gals. per acre in a minimum 20 gals. water per acre.	Preferred times of application for European fruit lecanium scale and European red mite eggs id green tip to delayed dormant stage, and for San Jose scale is dormant, green tip to delayed dormant stage.
Terrapin scale	Delayed Dormant: Apply 2-3 gals. per 100 gals. of water at 300-600 gals. per acre. Concentrate spray: Apply 8-12 gals. per acre in a minimum 20 gals. water per acre.	
Cottony peach scale	Dormant: Apply 2-3 gals. per 100 gals. of water at 300-600 gals. per acre. Concentrate spray: Apply 8-12 gals. per acre in a minimum 20 gals. water per acre.	
Mites (Brown, European red, Pacific, Two spotted spider)	Foliar spray: Apply 0.5-1.5 gals. per 100 gals. of water at 300-600 gals. per acre. Concentrate spray: Do not use more than 4 gals. per acre in a minimum 20 gals. water per acre.	Certain varieties of plums and prunes may be injured by oil sprays, check for tolerance prior to application.
White peach scale on peaches in Georgia, Florida, S Carolina, N Carolina, Alabama	Dormant: Apply 1.5-2 gals. per 100 gals. of water at 300-600 gals. per acre. Concentrate spray: Apply 6-8 gals. per acre in a minimum 20 gals. water per acre.	Apply before buds begin to swell in the spring. Make 2 applications 7-14 days apart, according to local recommendations, during the dormant period.

For aerial spray: Dormant and delayed dormant application only; Apply 3-5 gals. in a minimum of 20 gals. of water per acre. Apply by air only when soil conditions do not permit regular ground application.

For Avocados – Haas Variety Only

Pests	Application Rate and Timing	Remarks
Avocado Brown Mite	Use 0.5 to 1 gal. Per 100 gals. of water with thorough coverage in 400 to 3000 gal. per acre. (Concentrate Spray: Use 4 to 15 gals. per acre in a minimum of 50 to 100 gals. per acre.)	Apply through late Fall. Consult with your local University of California Cooperative Extension Service for proper timing and application parameters.

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For Bananas

Pests	Application Rate and Timing	Remarks
Black Leaf Streak (Mycosphaerella fijiensis)	Use 0.5 to 1.5 gals. in 20 to 100 gals. of water per acre. (Mist Blower: Use 1.5 gals. in 6 gals. of water per acre.	Begin application when disease first appears and continue every 10 to 15 days during rainy periods or as is needed. Do not apply when daytime temperatures exceed 80° F as injury may occur. Phytotoxicity may be affected by the quantity of oil used, vigor of trees and temperature at the time of application. Bag fruits or avoid direct spraying on unbagged fruits.

For ORNAMENTALS (Trees, Shrubs, Ornamentals, Flowers, Foliage Plants)

Pests	Application Rate and Directions	Remarks
Scales (Black, Brown soft, Brown apricot, Euonymus, European elm, European fruit lecanium, Oyster shell, Putnam, San Jose, Scurfy, Terrapin) Red spider mites and eggs	Apply 0.5-1 gals. per 100 gals. of water Dormant: Apply 0.5-1.5 gals. per 100 gals of water.	May cause discoloration of Blue Spruce. Do not apply on Conifers or Ferns not tolerant to oil sprays. Apply enough spray solution to completely penetrate the leaf canopy an cover both top and bottom of all of the leaves and stems until wet but without significant runoff.
Scales, Red spider mites, Spruce gall aphid, Pine bark aphid	Spring spray on evergreens: Apply 0.5-1.5 gals. per 100 gals. of water	Apply with a fine misty spray just before the new growth starts.

LIMITED WARRANTY AND LIABILITY

Although this product has been extensively tested under a large variety of conditions the registration holder does not warrant that it will be efficacious under all conditions. The action and effect thereof may be affected by factors such as abnormal storage conditions, water quality, compatibility with other substances as well as method, time and accuracy of application. The registration holder furthermore does not accept responsibility for damage to crops, vegetation and the environment, or harm to man or animal or for the lack of performance of the remedy due to the failure of the user to follow instructions or to the occurrence of conditions which could not have been foreseen in terms of the registration. 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. Consult the supplier in the event of any uncertainty.