

PM 14 42697-1

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US ENVIRONMENTAL PROTECTION AGENCY OFFICE OF PESTICIDES PROGRAMS REGISTRATION DIVISION (75-767) WASHINGTON, DC 20460	EPA REGISTRATION NO. <b>42697-1</b>	DATE OF ISSUANCE <b>SEP 25 1995</b>
	TERM OF ISSUANCE	
	NAME OF PESTICIDE PRODUCT <b>Safer® Insecticidal Soap Concentrate</b>	

NOTICE OF PESTICIDE:  REGISTRATION  
 REREGISTRATION  
 (Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended)

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

Eliot Harrison  
 Delta Analytical Corporation  
 7910 Woodmont Avenue  
 Suite 1000  
 Bethesda, MD 20814

5475214  $\frac{406}{38}$   
 5448641  $\frac{674}{22}$

NOTE: Changes in labeling formula 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 U.S. 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.

A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.

Registration is in no way to be construed as an indorsement or approval of this product by this 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.

Based on your response to the Reregistration Eligibility Document, the product listed above is reregistered provided that you make the following changes to your label:

1. The Signal word to this product is "WARNING" based on the results of the primary eye and skin irritation studies. Usually the Agency assigns a toxicity category based on the most severe data cited for a product. However, in the case of this product, data was submitted that strongly conflicted with the toxicity category I rating of one of the submitted skin irritation studies. Four of the five of the primary skin irritation studies submitted would give this product a "Caution" signal word; however, the Agency cannot ignore the results of the other skin irritation study. A concession was made and EPA Reg. No. 42697-1 was assigned toxicity category II for primary skin irritation.

2. The precautionary statements must state:

"Causes substantial, but temporary eye injury Causes skin irritation. Do not get on skin, in eyes or on clothing. Wear goggles or safety glasses. Wash thoroughly with soap and water after handling. Remove and wash contaminated clothing before reuse."

3. The statements of practical treatment must state:

"If in eyes: Hold eyelids open and flush with a steady, gentle stream of

ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL  DATE **SEP 25 1995**

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water for 15 minutes. Get medical attention.

**If on skin:** Wash with plenty of soap and water. Get medical attention.

**If inhaled:** Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention."

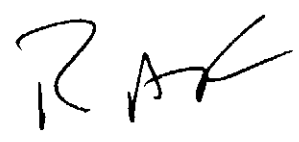
This action is taken under the authority of section 4(g)(2)(C) of the Federal Insecticide, Fungicide, and Rodenticide Act, as amended. Reregistration under this section does not eliminate the need for continual reassessment of pesticides. EPA may require submission of data at any time to maintain the registration of your product.

The Agency may bring misbranding action under section 12(a)(1)(E) of FIFRA or may cancel or suspend the registration of your product under section 6 if you distribute or sell products not bearing revised labeling after 45 days from the receipt of this letter. Because of the time frame set forth above, registrants may sticker over the current label with the new signal word and precautionary labeling specified in this letter without receiving prior approval of amended labeling. However, registrants must also submit amended labeling to Product Manager 14, Registration Division (7505C) for Agency approval within 30 days of their receipt of this letter.

You are also required to correct the labeling of products under your custody and control (i.e., warehouses, etc...). You are not required to sticker over stocks in the channels of trade.

Submit one copy of the final printed label before releasing the product for shipment with the revised labeling. A copy of the stamped label is enclosed. If you have any questions about this letter, please contact Beth Edwards at (703) 305-5400 or (703) 305-6600.

Sincerely yours,



Robert A. Forrest  
Product Manager (14)  
Insecticide-Rodenticide Branch  
Registration Division (7505C)

Enclosure

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ACCEPTED  
with COMMENTS  
in EPA Letter Dated

SEP 25 1995

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Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.  
42697-1

Front Label:

The original Insecticidal Soap!  
Kills Insects Fast! Leaves no residue!

SAFER®

INSECTICIDAL SOAP CONCENTRATE

KILLS

APHIDS, MEALYBUGS, WHITEFLY, MITES  
AND OTHER LISTED PESTS  
ON FOLIAGE PLANTS, FLOWERS, SHRUBS,  
TREES, VEGETABLES, FRUITS AND NUTS  
IN AND AROUND HOMES  
AND HOME GREENHOUSES

ACTIVE INGREDIENTS	BY WT.
Potassium salts of fatty acids	49.0%
INERT INGREDIENTS	<u>51.0%</u>
TOTAL	100.0%

Keep Out of Reach of Children

CAUTION

See Back Panel for Additional Precautionary Statements

NET CONTENTS 8, 16, 32, 64 FL. OZ.; 1 GAL (128 FL. OZ.)

General:

Safer® Insecticidal Soap Concentrate is a contact insecticide that provides rapid mortality of susceptible insects. Insecticidal Soap Concentrate quickly penetrates the insect's body and disrupts the normal function of both cells and membranes. The net effect of this unique action is that the contents of cells are lost and rapid death occurs. Insecticidal Soap Concentrate is active only in the liquid state and only as a contact spray. No insecticidal activity should be expected once the solution has dried. As is common with most contact insecticides, Insecticidal Soap Concentrate is effective on adult and immature stages of susceptible insects.

Insecticidal Soap Concentrate is a pure soap consisting of 49.00% potassium salts of fatty acids manufactured by treating selected natural fatty acids with a potassium base. The inert ingredients are a combination of water and alcohol, which help make the soap concentrate easy to mix, and contain no inorganic solvents.

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Back Label:

**PRECAUTIONARY STATEMENTS**

Hazards to humans and domestic animals:

**CAUTION:** Harmful if swallowed. Avoid contamination of feed and food stuff. May cause eye irritation; avoid eye contact.

**Statement of Practical Treatment (First Aid):** In case of eye contact, flush with plenty of water. Get medical attention if irritation persists.

**Environmental Hazards:** This product may be hazardous to aquatic invertebrates. 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 water.

**Physical or Chemical Hazards:** Do not use or store near heat or open flame.

**DIRECTIONS FOR USE**

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

Clean sprayer and mixing equipment thoroughly before mixing or using Safer® Insecticidal Soap Concentrate.

**SHAKE WELL.** For best results use freshly mixed solution. Use soft water whenever possible. If water has a high mineral content and produces soap scale, soften water with an approved softening agent before adding soap concentrate. A defoaming agent may be needed when applied with a sprayer equipped with an agitator.

**NOTE:** Do not use on new transplants, newly rooted cuttings or plants stressed by drought. Avoid application when leaf temperature exceeds 90 F.

For control of ADELGIDS, APHIDS, CRICKETS, EARWIGS, GRASSHOPPERS, LACEBUGS, MEALYBUGS, PLANT BUGS, PSYLLIDS, SAWFLIES, SCALES, SPIDER MITES, TENT CATERPILLARS, THRIPS, WHITEFLY and WOOLLY APHIDS MIX 2.5 FL. OZ. (5 TABLESPOONS) PER GALLON OF WATER. Apply whenever insects appear being sure to thoroughly wet all surfaces of infested leaves and branches. For aphids spray again after two or three days. For other pests, spray weekly for 2 or 3 weeks or as needed.

#### WHEN USED ALONE

Safer® Insecticidal Soap may be used up to and including day of harvest, and is useful as a component of Integrated Pest Management (IPM) programs.

**INDOOR PLANTS** - For aphids and mealybugs, spray again after two days or when insects return. For mites, spray once a week for 2 to 3 weeks. For Blossom thrips on African violets, spray to contact thrips on the blooms; root mealybug and springtail infestations can be reduced using a soil drench of one tablespoon concentrate in a quart of warm water once a month. Do not use on Crown of Thorns; test on other euphorbias prior to full-scale application. Increase dilution for use on delicate ferns.

**FLOWERS AND BEDDING PLANTS** - Including foliage plants, roses and succulents. Apply as recommended above. For earwig control use 2 tablespoons per gallon and spray directly on insects. Do not use on gardenias, nasturtiums, sweetpeas or bleeding heart.

**ORNAMENTAL TREES AND SHRUBS** - Apply as recommended above and repeat application as needed. To control the crawler stage of adelgids, psyllids and scales, spray to wet bark surface when infestation warrants. For mites, be sure to wet underside of leaves where mites feed. For tent caterpillars, use 4 fl. oz. (8 tablespoons) per gallon and spray directly on young larvae when congregated on outside of tent. Use one part concentrate to two parts water to prevent hatching of gypsy moth egg masses; do not use this concentration on anything other than egg masses. Do not apply to foliage of horse chestnut, mountain ash or Japanese maple.

**VEGETABLES** - Mix 5 tablespoons per gallon of water. Apply when insects first appear or when damage occurs. Spray to wet all infested plant surfaces. One gallon of spray covers approximately 250 sq. ft. of growing area (100 to 200 gal. per acre). For aphids, spray again after 2 days or when insects return. For spider mites and whitefly, be sure to spray underside of leaves; repeat at weekly intervals or as necessary.

**Beans, Peas** to control aphids, leafhoppers, grasshoppers and spider mites. Use up to day of harvest.

**Cole Crops** (Cabbage, Broccoli, Brussels Sprouts, etc.) to control aphids, leafhoppers, and harlequin bug. Use up to day of harvest.  
**Cucurbits** (Cucumber, Squash, Pumpkin, Melons) to control aphids, leafhoppers, spider mites, squash bug and whitefly. Use up to day of harvest.

**Tomatoes, Peppers, Egg Plant** to control aphids, spider mites, whitefly. Use up to day of harvest.

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**FRUIT AND NUT TREES** - Mix 5 tablespoons per gallon. Spray when insects first appear or to prevent damage. Apply to achieve thorough coverage of branches and foliage. Repeat at weekly intervals or as needed. Avoid spraying when blossoms present. Use up to day of harvest.

**Apples, Pears** to control aphids, woolly aphids, scale crawlers, mites, pear psylla and pear slug.

**Citrus** (Lemons, Oranges, Grapefruit) to control aphids, cottony cushion scale, red scale, citrus thrips and mites.

**Almonds, Filberts, Walnuts** to control aphids, scale crawlers and mites.

**Apricots, Peaches, Nectarines** to control aphids, mites, apricot mealybug.

**Grapes**, to control aphids and leafhoppers.

**HOME GREENHOUSES** - For whitefly, use 1-1/2 fl. oz. (3 tablespoons) concentrate per gallon. May be used on foliage plants, flowers, fruits and vegetables. Apply according to above recommendations according to crop type. Before spraying large planting, apply to a few plants and observe for phytotoxicity for 10 days. Do not use on newly rooted cuttings.

**STORAGE AND DISPOSAL** - Store in a cool place. Keep container tightly sealed. For disposal of unused product, securely wrap original container in several layers of newspaper and discard in trash. Do not reuse empty container. Rinse thoroughly before discarding in trash.

<b>COVERAGE:</b>	Gallons Finished Product at the following rates:		
<u>Bottle Size</u>	<u>2.5 oz/gal</u>	<u>4.0 oz/gal</u>	<u>1.5 oz/gal</u>
8 oz.	3.2 gal	2.0 gal	5.3 gal
16 oz.	6.4 gal	4.0 gal	10.6 gal
32 oz.	12.8 gal	8.0 gal	21.2 gal
64 oz.	25.6 gal	16.0 gal	42.4 gal
1 gal.	51.2 gal	32.0 gal	84.8 gal

One (1) gallon of finished product will treat:

- one (1) tree, 10' high by 8' diameter (2" - 4" trunk)
- ten (10) shrubs, 4' high by 4' diameter
- eighty (80) plants, 2' high by 2' diameter

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Safer®, Inc. will not accept liability for damage or injury  
resulting from misuse.

Safer®, Inc., a wholly-owned subsidiary of Ringer Corporation  
9959 Valley View Road  
Eden Prairie, MN 55344-3585

UPC Code

EPA Reg. No. 42697-1

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EPA Est. No. 63456-MN-001	44616-MO-001	42705-MN-001

Circled or superscript letter corresponds to first letter of lot  
number on bottom or back of container.