



U.S. ENVIRONMENTAL PROTECTION AGENCY
 Office of Pesticide Programs
 Registration Division (7505C)
 401 "M" St., S.W.
 Washington, D.C. 20460

NOTICE OF PESTICIDE:
 Registration
 Reregistration
 (under FIFRA, as amended)

EPA Reg. Number:
 60063-9

Date of Issuance:

Term of Issuance:
 Conditional

Name of Pesticide Product:
 Echo Lite
 Chlorothalonil
 Fungicide

Name and Address of Registrant (include ZIP Code):

Sostram Corporation
 70 Mansell Court, Suite 230
 Roswell, GA 30076

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/reregistration 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. Add the phrase "EPA Registration No. 60063-9" to your label before you release the product for shipment.
3. Submit one (1) copy of your final printed labeling before you release the product for shipment. Refer to the A-79 enclosure for a further description of final printed labeling.

Signature of Approving Official:

Date:

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If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

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

Cynthia Giles-Parker
Product Manager (22)
Fungicide-Herbicide Branch
Registration Division (7505C)

)

Enclosure

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ACCEPTED FOR REGISTRATION
EPA Letter Dated:

ECHO™ LITE
Chlorothalonil
Fungicide

The Federal Insecticide
and Fungicide Act
and for the purpose
registered under EPA Reg. No.
60063-7

CONTROLS DISEASES - Leaf Spots, Rust, Blights, Fruit Rots,
Mildews, Scab, Molds, etc. ON: Lawns, Vegetables, Fruit Trees,
Flowers, Shrubs and Shade Trees.

ACTIVE INGREDIENT:

Chlorothalonil (tetrachloroisophthalonitrile).....29.6%

INERT INGREDIENTS:.....70.4%

TOTAL:.....100.0%

KEEP OUT OF REACH OF CHILDREN

WARNING

STATEMENT OF PRACTICAL TREATMENT

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

IF ON SKIN: Wash with plenty of soap and water. Get medical
attention.

IF IN EYES: Flush eyes with plenty of water. Call a physician if
irritation persists.

IF SWALLOWED: Call a physician or Poison Control Center. Drink
1 or 2 glasses of water and induce vomiting by touching back of
throat with finger. Do not induce vomiting or give anything by
mouth to an unconscious person.

See below for additional precautionary statements.

EPA REG. NO. 60063-

EPA EST. NO.

MANUFACTURED FOR:

SOSTRAM CORPORATION
70 Mansell Court, Suite 230
Roswell, Georgia 30076

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING

Causes eye and skin irritation.

This product may produce temporary allergic side effects characterized by redness of the eyes, mild bronchial irritation and redness or rash on exposed skin areas.

Do not get in eyes, on skin or on clothing.

Wear long sleeve shirt, long pants, and rubber gloves while mixing and applying this product. Wash skin and hands thoroughly after using. Remove and wash contaminated clothing before reuse.

Keep children and pets off treated area until dry.

ENVIRONMENTAL HAZARDS

This product is toxic to fish and other aquatic organisms. Do Not apply directly to water. Do not contaminate water by disposal of equipment washwaters. Do not apply when weather conditions favor drift of spray.

DIRECTIONS FOR USE

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

Not for use on plants being grown for sale or other commercial use, or for commercial seed production, or for research purposes. For use on plants intended for aesthetic purposes or climatic modification and being grown in interior plantscapes, ornamental gardens or parks, or on golf courses or lawns and grounds.

READ ENTIRE LABEL AND USE STRICTLY IN ACCORDANCE WITH PRECAUTIONARY STATEMENTS AND DIRECTIONS.

ECHO LITE Chlorothalonil Fungicide is a liquid concentrate that readily mixes with water and can be used in a tank-type or power sprayer.

ECHO LITE Chlorothalonil Fungicide is highly effective for the control of a broad spectrum of lawn, vegetable, fruit and ornamental plant diseases when it is used according to the directions on this label. Thorough uniform coverage of plant surfaces is essential for good disease control.

Shake well before using. Mix appropriate amount with water and use at once.

LAWN DISEASES

One day before applying ECHO LITE Chlorothalonil Fungicide, mow lawn, collecting clippings and water if necessary. For best results when mixing, place a small amount of water in sprayer,

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add the appropriate amount of ECHO LITE Chlorothalonil Fungicide, than add water to bring to desired level and agitate gently to uniformly mix the solution. Apply spray evenly. See table below for rate and coverage. Agitate occasionally while spraying. Apply after mowing and withhold watering until spray deposit has dried thoroughly. Make a new spray preparation for each use.

Do not apply when temperature is above 90°F to prevent slight burning or temporary discoloration of grass lawns.

Do not graze treated areas or feed treated clippings to livestock.

IMPORTANT: ECHO LITE Chlorothalonil Fungicide is effective on a wide range of diseases as listed below; however, proper identification of specific lawn disease is essential for control. Take a specimen of the disease to a professional garden center or contact the local County Extension Service for positive identification before treatment.

| GRASS LAWN DISEASES | CONDITIONS |
|---|---|
| Copper Spot (Gleocercospora) | 70-80°F; low fertility |
| Curvularia Leaf Spot | Summer; 80-90°F; heavy thatch |
| Dollar Spot (Sclerotinia) | 70-80°F; low fertility |
| Gray Leaf Spot (Piricularia) | Summer; high N; high humidity |
| Gray Snow Mold (Typhula) | Late Autumn, Winter; 30-50°F before snow covers lawn |
| Helminthosporium Leaf Spot and melting out | Summer; 80-90°F; moist; overcast |
| Large Brown Patch (Rhizoctonia) | Summer; 75-85°F; warming trend |
| Red Thread (Corticium) | Cool wet; 55-72°F |
| Stem Rust of Bluegrass (Puccinia) | 70-75°F; high light intensity; humidity |
| Dichondra Diseases - (CA only) | |
| Alternaria Leaf Spot | Winter & Spring; rainy; cool 55-72°F |
| Anthrachnose (Gleosporium) | Summer; 70-85°F |

AMOUNT OF ECHO LITE CHLOROTHALONIL FUNGICIDE TO USE ON LAWNS

| Gallons of Spray Desired | To Cover Lawn Area (Sq. Ft) | For Established Diseases* Under Severe Conditions | For Light Diseases** Under Mild Conditions: |
|--------------------------------|-----------------------------------|---|---|
| 2 | 333 | 4 fl. oz. (8 Tbs.) | 2 2/3 fl. oz. (5 1/3 Tbs.) |
| 4 | 667 | 8 fl. oz. (16 Tbs.) | 5 1/3 fl. oz. (10 2/3 Tbs.) |
| 6 | 1000 | 12 fl. oz. (24 Tbs.) | 8 fl. oz. (16 Tbs.) |

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*During periods of very wet or damp weather, make 3 successive applications at 7 day intervals. Continue treatments following rates for Light Disease Incidence and interval listed below.

**Apply at a 10 to 14 day interval depending on severity of disease and conditions favoring disease development until lawn has recovered.

VEGETABLE DISEASES

Apply at listed rate per crop for disease to be controlled () in one gallon of water to cover an area 200 sq. ft. (10' x 20') planted with listed crop. 1 Tbs.-1 Tablespoonful, 1 tsp.-1 teaspoonful. Repeat at 7 to 14 day intervals. Use the 7 day schedule during severe disease conditions or wet weather unless otherwise stated.

Note: Avoid spraying plants during extremely hot and sunny weather. Do not apply to wilted plants. Do not graze treated areas or feed treated plant parts to livestock.

Vegetables: Numbers in () indicate days required between last application and harvest.

-BEANS (Green) (7): Rust and Botrytis Blight (Gray Mold) (1 Tbs.)-Begin applications during early bloom stage or when disease first threatens. Repeat at weekly intervals or as necessary.

-BROCCOLI (0), BRUSSELS SPROUTS (0), CABBAGE (0), CAULIFLOWER (0): Alternaria Leaf Spot and Downy Mildew (1 1/2 tsp.) Begin after transplants are set in the field or when conditions favor disease development. Repeat at 7 to 10 day intervals.

Ring Spot in Brussels Sprouts (CA only) (2 tsp.) Begin at time of early sprout development or when conditions favor disease development. Repeat at 7 to 10 day intervals.

-CARROTS (0): Cercospora (Early) Blight and Alternaria (Late) Blight (2 tsp.) Begin when disease threatens and repeat at 7 to 10 day intervals or as required to maintain control.

-CELERY (7): Cercospora (Early) Blight and Septoria (Late) Blight (1 1/2 tsp.); Basal Stalk Rot and Pink Rot (Suppression) (1 Tbs.) Begin when plants are set in the field. Repeat on a 3 to 5 day spray schedule for lower rate (1 1/2 tsp.) or a 7 day schedule for the higher rate (1 Tbs.)

-CORN (Sweet) (14): Helminthosporium Leaf Blight and Rust (2 Tsp.) Begin when conditions favor disease development. Repeat at 4 to 7 day intervals or as needed. Do not apply to sweet corn for processing.

-CUCUMBERS (0), MELONS (0), PUMPKINS (0), SQUASH (0): Anthracnose, Downy Mildew and Target Spot (2 tsp.); Scab, Gummy Stam Blight (Black Rot) Leaf Blight, Cercospora Leaf Spot, Powdery Mildew (except Southwestern states) (1 Tbs.) Also suppresses Fruit Rot (Rhizoctonia) on cucumbers (1 Tbs.) Begin when plants are in the first true leaf stage or when conditions are favorable for disease. Repeat applications at 7 day

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intervals or more frequently if required.

-ONION (Green) (14) and Dry Bulb (7), LEEK (14), SHALLOT (14), GARLIC (7): Botrytis Leaf Blight (Blast), Purple Blotch and Downy Mildew (suppression) (1 Tbs.) Apply at first sign of disease and repeat at 7 to 10 day intervals. Do not apply more than 3 times per season on green onions, leeks or shallots.

-POTATO (0): Early Blight, Late Blight, Botrytis Vine Rot (1 1/2 tsp.) Begin when plants are 6 inches high or when disease threatens and continue at 7 to 10 day intervals or as needed to maintain disease control.

-TOMATO(0): Early Blight, Late Blight, Gray Leaf Spot, Gray Leaf Mold, Septoria Leaf Spot, Anthracnose, Alternaria Fruit Rot or Black Mold, Rhizoctonia Fruit Rot, Botrytis Gray Mold (1 Tbs.) Begin when conditions favor disease development. Repeat at 7 to 10 day intervals or more frequently under sever conditions.

FRUIT DISEASES

Apply full coverage spray to the point of runoff to thoroughly cover tree canopy including undersides of leaves.

-PEACH, NECTARINE, APRICOT, CHERRY, PLUM, PRUNE: Peach Leaf Curl; Coryneum Blight (Shothole) on Peach, Nectarine, Apricot: Mix 1 1/2 fl. oz. (3 Tbs.) in 4 gallons of water (3 fl. oz. [6 Tbs.]/8 gals. water) and spray foilage to point of runoff. Make one application at leaf fall in late autumn. Make one or two additional applications in mid to late winter before buds begin to swell. Where Coryneum Blight (Shothole) occurs, apply an additional application one to two weeks after petal fall or at shucksplit (tiny fruit just beginning to form) to prevent fruit infections. Brown Rot Blossom Blight-Apply at same rates. Make one application at popcorn (pink, red or early white bud stage when first color shows) and a second application at full bloom. If cool, moist weather continues, make an additional application at petal fall. Cherry Leaf Spot on Cherries: Scab on Peach, Nectarines and Apricot-In addition to the bloom applications listed above, make one application at shucksplit. Do not apply ECHO LITE Chlorothalonil Fungicide after shucksplit or before harvest. For control of Cherry Leaf Spot after harvest, make one application to foilage within 7 days after fruit is removed. In trees with history of high leaf spot incidence, make a second application 10 to 14 days later.

-PAPAYA: Alternaria Fruit Spot, Anthracnose and Stem End Rot: Apply full coverage spray including fruit at the rate of 1 fl. oz. (2 Tbs.)/4 gallons water. Begin treatment when fruit spots appear (April to July) and continue treatments at 14 day intervals until dry weather conditions return.

PASSION FRUIT (Hawaii only): Alternaria Fruit and Leaf Spot (Passion Fruit Brown Spot)-Apply full coverage spray, including fruit, at the rate of 1/2 fl. oz. (1 Tbs.)/4 gallons water. Begin treatment before spots appear on fruit (April to July) and continue treatments at 14 day intervals until dry weather conditions return.

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ORNAMENTAL DISEASES

Mix 2 1/4 tsp./gallon or 3 Tbs. (1 1/2 fl. oz.)/4 gallons of water and spray foliage to point of runoff unless other directions are given in the table below. Begin applications as directed for each species and disease condition cited and repeat on a 7 to 14 day schedule until conditions are no longer favorable for disease development. During periods when conditions favor severe disease incidence, generally cloudy or wet weather, use the shorter interval between applications. For outdoor use only.

Ornamental Diseases

| Species | Diseases Controlled | Suggested First Applications |
|--|---|-----------------------------------|
| BROADLEAF SHRUBS AND TREES | | |
| Ash (Fraxinus) | Cercospora, Cercosporidium, Cylindrosporium Leaf Spots | Spring bud break |
| Azalea,* Rhododendron* | Phytophthora Die-back Ovulinia Flower Blight | New Leaf emergence Early Bloom |
| Buckeye, Horsechestnut | Leaf Blotch, Anthracnose | Spring bud break |
| Cherry-Laurel | Cercospora Leaf Spot | Petal fall |
| Crabapple | Scab, Cedar-apple Rust, Sphaeropsis Leaf Spot | Spring bud break |
| Dogwood | Anthracnose (Discula sp.) Septoria Leaf Spot | Spring bud swell Early Bloom |
| Euonymus | Anthracnose | Spring bud break |
| Firethorn (Pyracantha) | Scab | Spring bud break |
| Flowering Almond, Quince and Cherry Hawthorn | Monilinia Blossom/Branch Blight Rust, Fabraea Leaf Spot | Early Bloom Pre-bloom |
| Holly | Rhizoctonia Web Blight | Warm, moist conditions |
| Mountain Laurel | Cercospora Leaf Spot | Spring bud break |
| Oak (red group only) | Taphrina Blister, Actinopelte Leaf Spot Anthracnose | Dormant budswell |

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|---------------------------|--------------------------------------|--------------------------|
| Oregon-Grape (Mahonia) | Rust | Spring bud break |
| Photinia | Fabraea (Entomosporium) Leaf Spot | Spring bud break |
| Pieris (Andromeda) | Phytophthora Die-back | New leaf emergence |
| Poplar | Marssonina Leaf Spot | Spring bud break |
| Privet | Cercospora Leaf Spot | Prolonged wet conditions |
| Sycamore, Planetree | Anthraxnose | Spring bud break |
| Viburnum | Powdery Mildew | Mid-summer |

BULBS AND FLOWERING PLANTS

| | | |
|---|---|---|
| Carnation | Alternaria Leaf Spot Branch Rot, Botrytis | Transplant of cuttings; Cool, moist conditions |
| Chrysanthemum Daisy | Mycosphaerella Ray Blight/ Septoria Leaf Spot | Transplant of cuttings |
| Geranium | Botrytis Flower Blight (Gray Mold), Rust | Pre-bloom Cool, moist conditions |
| Gladiolus | Curvularia Leaf/Flower Spot Botrytis Leaf/Flower Spot | Early propagation |
| Hollyhock | Rust | Early seedling stage |
| Hydrangea* (foilage only) | Cercospora and Septoria Leaf Spots, Rust | Early propagation |
| Iris | Botrytis Blossom Blight, Didymellina Leaf Spot | Cool, moist conditions |
| Lily | Botrytis Gray Mold (foliar phase), Phytophthora Blight | Pre-bloom |
| Petunia* | Botrytis Gray Mold (foliar phase), Phytophthora Blight, Botrytis Blight | Pre-bloom |
| Rose-Use 1 1/4 fl. oz. (2 1/2 Tbs.)/4 gals. | Black Spot, Botrytis Blight | Spring bud break |

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|---------|--|-----------------------|
| Statice | Anthracnose, Cercospora Alternaria, Botrytis Leaf Blight | Spring bud break |
| Zinnia | Powdery Mildew | First sign of disease |

*Discoloration of blooms has been noted on certain varieties when applications are made during flowering.

FOLIAGE PLANTS

| | | |
|--|---|---------------------------|
| Dracaena | Fusarium Leaf Spot | Pre-transplant |
| Pachysandra-Use 3.33 fl.oz. (6 2/3 Tbs.)/4 gals. | Volutella Leaf Blight | Spring bud break |
| Leatherleaf fern | Ascochyta Blight, Cercospora Leaf Spot, Cylindrocladium Leaf Spot, Rhizoctonia Blight | Spring bud break |
| Parlor Palm (Chamaedorea) | Bipolaris Leaf Spot (Helminthosporium) | Cool, moist conditions |
| Prayer plant (Maranta) | Helminthosporium Leaf Spot | Early propagation |
| Oyster plant (Rhoeo) | Tan Leaf Spot | Early propagation |
| Philodendron | Phytophthora Blight, Dactylaria Leaf Spot | Moist conditions |
| Syngonium | Cephalosporium Leaf Spot | Warm, moist conditions |

CONIFER DISEASES

PINES, DOUGLAS FIR, SPRUCES-Scleroderris Canker (Pines), Swiss Needlecast, Rhabdocline and Needlecast (Douglas Fir): Mix 1 fl. oz. (2 Tbs.)/4 gallons water and apply as full coverage spray to the point of runoff. Rhizosphaera Needlecast (Spruces), Scirrhia Brown Spot (Pine). Mix 6 fl. oz. (12 Tbs.)/4 gallons water and apply as above. Make first application in spring when new shoot growth is 1/2 to 2 inches in length. Make additional applications at 3 to 4 week intervals until dry conditions return.

Lophodermium Needlecast: Mix 1 fl. oz. (2 Tbs.)/4 gallons water and apply full coverage spray to the point of runoff. North

Central and Northeastern States: Begin applications in mid-July to early August before infection occurs. Make additional applications at 3 to 4 week intervals until dry conditions return.

STORAGE AND DISPOSAL

Storage: Keep pesticide in original container. Do not put concentrate or dilute into food or drink containers. Avoid contamination of feed and foodstuffs. Store in a cool, dry place, preferably in a locked storage area.

Container: Do not reuse empty container. Rinse thoroughly before discarding in trash.

Notice: Buyer assumes all responsibility for safety and use not in accordance with directions.

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