



(Stauffer Shield)

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STAUFFER CHEMICAL COMPANY

SIGMA<sup>®</sup> DUSTING SULFUR

An Agricultural Insecticide and Fungicide.

ACTIVE INGREDIENTS:

Sulfur . . . . . 95%

INERT INGREDIENTS: . . . . . 5%

SIGMA<sup>®</sup> is a trademark of Stauffer Chemical Company

KEEP OUT OF REACH OF CHILDREN

CAUTION

STATEMENT OF PRACTICAL TREATMENT

If an adverse reaction occurs after exposure, promptly start the recommended procedures below. Seek medical attention if further treatment is required or call collect, day or night, (203) 222-6602, Stauffer Chemical Company, or (800) 424-9300. Pesticide Year Safety Letters.

If a large amount of this material is swallowed, give several glasses of water. Induce vomiting by gagging the victim with a finger placed on the back of the victim's tongue. Give fluids until vomiting is clear. Do not induce vomiting or give anything by mouth to or receive from a convulsing person.

If inhaled, remove to fresh air. Seek medical attention if respiratory irritation occurs or if breathing becomes difficult.

In case of contact, flush all affected areas with plenty of water for several minutes.

For eye contact, hold eyelids open and flush with plenty of water for 15 minutes. Remove and discard contaminated clothing and shoes. Get medical attention if irritation occurs.

See also the following information on PESTICIDE YEAR SAFETY LETTERS.

EPA Form No. 476-199  
EPA Reg. No. 476-001

EPA Form No. 476-199  
EPA Reg. No. 476-001

Stauffer Chemical Company  
1000 West Main Street  
P.O. Box 1000  
Waterbury, Connecticut 06702

ACCEPTED  
with COMMENTS  
EPA Letter Dated:  
**JUN 15 1984**  
Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.  
476-199

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(BACK PANEL)

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## SIGNAL™ DUSTING SULFUR

An Agricultural Insecticide and Fungicide.

PRECAUTIONARY STATEMENTSHAZARDS TO HUMANS AND DOMESTIC ANIMALSCAUTION

- Do not take internally.
- Avoid contact with skin, eyes, and clothing.
- Wash thoroughly after handling.

ENVIRONMENTAL HAZARDS

- Do not apply when weather conditions favor drift from treated areas.
- Do not apply directly to water. Do not contaminate water by cleaning of equipment or disposal of wastes.

PHYSICAL HAZARDS

BURNING SULFUR DUSTS HIGHLY TOXIC FUMES. SULFUR DUST SUSPENDED IN AIR IGNITES EASILY.

Keep away from heat, sparks and flame. Avoid creating dust in handling. Keep container closed. Use with adequate ventilation. Keep free contact with oxidizing materials.

In case of fire: Use water spray, fog, CO<sub>2</sub> or sand. Wear MSDS approved self-contained breathing apparatus.

STORAGE AND DISPOSAL

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

STORAGE: Store in a cool dry place.

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: Completely empty into application equipment. Then dispose of empty bag in a suitable landfill or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

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SPILL OR LEAK: Small spills can be handled routinely. Use adequate ventilation and wear a respirator or a dust mask to prevent inhalation. Wear suitable protective clothing and eye protection to prevent skin and eye contact. Use the following procedures:

Sweep or shovel up spilled material using a natural fiber broom and/or aluminum shovel to reduce sparking. Be careful not to create dust as an explosion could result. Place sweepings in an appropriate chemical waste container. Seal container and dispose of in an approved facility. Flush spill area with detergent and water to remove any residue.

#### PRODUCT INFORMATION

Sulfur will cause severe fruit and leaf injury to sulfur-sensitive crops. Do not use on apricots, Anjou and conice pears, cranberries, cucurbits (cucumbers, squash and some varieties of melons), filberts, spinach, tung trees, walnuts and other sensitive plants.

Except on cotton, do not apply when shade temperatures exceed or are likely to exceed 90°F.

Sulfur may burn foliage and fruit during periods of high temperatures and under certain climatic conditions.

Do not use sulfur within 30 days of an oil spray (60 days on citrus).

If the crop to be treated will be used for canning or freezing purposes, consult food processor before applying sulfur.

Consult State Agricultural Experiment Stations or the State Agricultural Extension Service for additional information, as the timing and number of applications needed will vary with local conditions.

#### DIRECTIONS FOR USE

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

Apply the specified amounts of this product uniformly to the foliage when air is calm, using ground power equipment or aircraft. Except as otherwise shown, apply at the first sign of infection and repeat at 7-10 day intervals as needed to maintain control.

Use the higher dosage during periods of frequent and heavy rainfall. Spray often enough to keep susceptible growth covered. This may require weekly or bi-weekly applications during periods of rapid growth and frequent rainfall.

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REENTRY STATEMENT

° Do not apply this product in such a manner as to directly or through drift expose workers or other persons. The area being treated must be vacated by unprotected persons.

° Do not enter treated areas for 24 hours unless appropriate protective clothing is worn.

° Because certain states may require more restrictive reentry intervals for various crops treated with this product, consult your State Department of Agriculture for further information.

° Written or oral warnings must be given to workers who are expected to be in a treated area or in an area about to be treated with this product. Oral warnings must be given if there is reason to believe that written warnings cannot be understood by workers.

When oral warnings are given, warnings shall be given in a language customarily understood by workers and must indicate the specific period of time that treated areas may not be entered without protective clothing. Oral warnings must also include appropriate first aid instructions in case of accidental exposure. These instructions are given in the STATEMENT OF PRACTICAL TREATMENT at the beginning of this label.

Written warnings must include the following information, "CAUTION. Area treated with SIGNAL™ Dusting Sulfur on (date of application). Do not enter treated areas for 24 hours unless appropriate protective clothing is worn (or other reentry interval if your state has a more restrictive interval for this product). If accidental exposure occurs, follow the instructions below." (Written warnings must include the STATEMENT OF PRACTICAL TREATMENT given at the beginning of this label.)

RECOMMENDATIONSFruity Crops

Apples: Spur, powdery mildew - apply 2-35 lbs. per acre in the green tip to pink bud stage. Macintosh, Golden Delicious, Jonathan and certain other varieties may be injured by sulfur. Use of sulfur-tolerant varieties only.

Cherries: Blossom blight/brot rot, powdery mildew - apply 50 lbs. per acre at the green tip, full bloom and petal fall stages. Most Spur, powdery mildew - apply 50 lbs. per acre at petal fall, stone fall and 2 weeks after stone fall.

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Citrus: Six-spotted and citrus rust mites - apply 80 lbs. per acre. Citrus flat and Yuma spider mites - apply 100 lbs. per acre. Citrus thrips - apply 100 lbs. per acre in three applications: mid-March, petal-fall, and 2-4 weeks later. Avoid applications during or preceding high temperatures. Do not apply within 2 months of an oil spray.

Grapes: Rust, powdery mildew - apply 5-10 lbs. per acre in successive applications: when shoots are 6" long, shoots 12-15" long, 14 days afterwards, and 10-14 days thereafter to harvest. Caution: Concord and Labrusca type grapes may be injured by sulfur.

Plums, Prunes: Brown rot, leaf spot, prune rust - apply 35-50 lbs. per acre. For brown rot of fruit, dust when fruit begins to ripen. For leaf spot and rust, begin at pink stage, repeat at bloom, petal fall, shuck fall and in cover period apply as necessary.

Strawberries: Powdery mildew - apply 10-20 lbs. per acre.

#### Vegetable & Field Crops

Alfalfa: Spider mites - apply 15-25 lbs. per acre. Caution: sulfur may cause petal burn to open flowers.

Beans: Powdery mildew, rust, spider mites - apply 15-30 lbs. per acre. For rust control start applications as soon as the first true leaves form and continue at weekly intervals until blossom time. Caution: may cause injury to some varieties of beans.

Carrots: Petrotia mite - apply 30-35 lbs. per acre.

Clover: Powdery mildew, spider mites - apply 15-25 lbs. per acre.

Cotton: Atlantic mite, cotton rust - apply 25-30 lbs. per acre.

Grain Seed Crops: Leafhopper mite - apply 20 lbs. per acre.

Melons: (Blowing, new and sulfur-resistant melons only) - Powdery mildew, spider mites - apply 25-27 lbs. per acre.

Onions: Onion mite - apply 15-20 lbs. per acre during winter months.

Peas: Pea mite, alfalfa - apply 15-20 lbs. per acre.

Spout Legume: Spider mite - apply 15-20 lbs. per acre.

Legumes: Leafhopper mite - apply 15-20 lbs. per acre.

Lettuces and Spinate: Powdery mildew - apply 15-20 lbs. per acre.

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Ornamentals:

Make full coverage application on both sides of leaves. Keep new growth protected.

Chrysanthemum: Powdery mildew, rust. Do not apply when flowering.

Hollyhock: Rust.

Roses, Perennials, Shrubs: Black spot, powdery mildew, rust.  
Caution: some burning may occur when used during warm weather.

NOTICE - READ CAREFULLYCONDITIONS OF SALE

Stauffer (and seller) offer(s) this product for sale subject to, and buyer and all users are deemed to have accepted, the following conditions of sale and warranty which may only be varied by written agreement of a duly authorized representative of Stauffer.

WARRANTY LIMITATION

Stauffer warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the directions for use on the label subject to the inherent risks referred to below. Stauffer makes no other express warranties; THERE IS NO IMPLIED WARRANTY OF MERCHANTABILITY and there are no warranties which extend beyond the description on the label hereof.

INHERENT RISKS

The directions for use of this product are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks associated with use. Buyer assumes all risks associated with use or application of this product contrary to label instructions or resulting from extraordinary weather conditions.

LIMITATION OF LIABILITY

In no case shall Stauffer be liable for special, indirect, or consequential damages resulting from use or handling of this product and no claim of any kind shall be greater than the purchase price of the product in respect of which such damages are claimed.

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U.S. ENVIRONMENTAL PROTECTION AGENCY  
OFFICE OF PESTICIDE REGISTRATION

DATE OF RECEIPT  
JUN 15 1984

NOTICE OF PESTICIDE

NAME AND ADDRESS OF REGISTRANT

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NOTE: Changes in labeling, formula, literature, or other matter that is adopted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label or literature. In any correspondence on this product always refer to the 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 label for the pesticide registered with this Registration/Reregistration is returned herewith.

Registration in any way does not constitute an endorsement or approval of the product by this Agency. In order to protect health and the environment, the Agency will suspend or cancel the registration of a pesticide if it is found to be in violation of the Act. The suspension or cancellation of any registration is independent of the registration of a product under this Act. Any person who registers a pesticide with the Agency must file a copy of the name of the pesticide if it has been registered by the Agency.

FURTHER INFORMATION

SIGNATURE OF APPLICANT DATE