

West

PM - 23

476-1839

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(Stauffer Shield)

CAPTAN 4 FLOWABLE

Aqueous Suspension
Agricultural Fungicide

ACTIVE INGREDIENT:

*Captan	60.4%
Related Derivatives	10.9%

INERT INGREDIENTS:

*N-Trichloromethylthio-4-cyclohexene-1,2-dicarboximide	60.4%
	100.0%

ACCEPTED
Per self cert
 SEP 16 1987
 U.S. Dept. of Agriculture
 Plant Protection and Research Administration
 as a Fungicide for use on pesticides
 registered under EPA Reg. No. 476-1839

(Contains 4 Pounds Active Ingredient Per Gallon)

KEEP OUT OF REACH OF CHILDREN

PELIGRO

D A N G E R

PRECAUCION AL USUARIO:
 SI USTED NO LEE INGLES,
 NO USE ESTE PRODUCTO HASTA
 QUE LA ETIQUETA LE HAYA
 SIDO EXPLICADA AMPLIAMENTE

CAUSES IRREVERSIBLE EYE DAMAGE

STATEMENT OF PRACTICAL TREATMENT

Immediately start the procedures given below and CONTACT A POISON CENTER A PHYSICIAN OR THE NEAREST HOSPITAL. Describe the type and extent of exposure, the victim's symptoms, and follow the advice given.

If in eyes: Flush with plenty of water. Call a physician.

If swallowed: Drink promptly a large quantity of milk, egg whites, gelatin solutions, or if these are not available, drink large quantities of water. Avoid alcohol.

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 abnormal reaction occurs.

FOR ADDITIONAL MEDICAL OR TOXICOLOGICAL INFORMATION, CALL COLLECT, DAY OR NIGHT, STAUFFER EMERGENCY MEDICAL ASSISTANCE (203) 226-6602, OR CHEMTREC (800) 424-9300.

CAPTAN 4 FLOWABLE

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PRODUCT FREEZING TEMPERATURE: 32°F. Satisfactory utility may generally be restored after thawing and mixing a product which has frozen. Repeated freezing-thawing cycles may impair utility.

This product is sold only for uses stated on the label. No express or implied license is granted to use or sell this product under any patent in any country except as specified: Country: U.S.A.

EPA Reg. No. 476-1839

5 GAL. NET

EPA Est. No. 476-CA-1

RS-870910

Made in U.S.A. By

STAUFFER CHEMICAL COMPANY
WESTPORT, CT. 06881-0854

PRECAUTIONARY STATEMENTS**HAZARDS TO HUMANS AND DOMESTIC ANIMALS****DANGER**

Causes irreversible eye damage. Harmful if swallowed or inhaled. May cause allergic skin reactions. Do not get in eyes. Wear goggles or face shield when handling. Avoid contact with skin and clothing. Avoid inhalation of spray mist. Remove and separately launder clothing before reuse.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish. Do not apply directly to water or wetlands (swamps, bogs, marshes, and potholes). Drift and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water by cleaning of equipment or disposal of wastes.

DIRECTIONS FOR USE

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

CAPTAN 4 FLOWABLE is an aqueous suspension for use in water as a spray for the control of certain fungus diseases of fruit and vegetables.

Do not apply this product through any type of irrigation system.

BEFORE USING MIX CONTENTS THOROUGHLY--STIR OR ROLL!

Pour recommended amount of this material into nearly filled spray tank. Add balance of water. Maintain agitation during filling and spraying operations. Do not allow mixture to stand. Use a screen not finer than 50 mesh in entire system. Do not combine with emulsifiable liquids or wetttable powders unless previous experience has proven them to be physically compatible and safe to plants.

USE PRECAUTIONS

THIS FORMULATION IS NOT SUITABLE FOR USE AS A SEED PROTECTANT.

Observe use limitations given on the label for specific crops.

In order that pesticidal residues on food and forage crops will not exceed tolerances established by the Environmental Protection Agency, use only at recommended rates and intervals. Do not apply or allow to drift onto adjoining food, fiber or pasture crops. The grower is responsible for residues on his crops as well as for damage caused by drift from his property to that of others.

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

Wear goggles or face shield when handling. Wash thoroughly with soap and water after handling. Remove contaminated clothing and separately launder clothing before reuse.

Mixers/loaders when mixing and loading this product must wear a long sleeved shirt and long pants or a coverall that covers all parts of the body except the head, hands and feet. Wear chemical resistant gloves, goggles or a face shield and a chemically resistant apron.

Fieldworkers and harvesters must wear chemical resistant gloves, if entering treated areas within 4 days following application. Leather or fabric gloves are not acceptable.

During application only, from a tractor with a completely enclosed cab or from an aircraft with an enclosed cockpit, a long sleeved shirt and long legged pants must be worn. Chemically resistant gloves must be available in the cab or cockpit and worn while exiting.

AFTER WORK: Take off all clothes and shoes. Shower using soap and water. Do not wear contaminated clothing. Wash protective clothing and equipment with soap and water after each use. Personal clothing worn during use must be laundered separately from household articles. Clothing and protective equipment heavily contaminated or drenched with captan must be destroyed according to state and local regulations.

RE-ENTRY 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 allow persons to enter treated areas within 4 days following application unless a long-sleeved shirt and long pants or a coverall that covers all parts of the body except the head, hands and feet and chemically resistant gloves are worn. Conspicuously post reentry information at site of application.
- . 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.

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RECOMMENDATIONS

Unless otherwise stated, dosage rates on this label are given in terms of CAPTAN 4 FLOWABLE per 100 gals. of water. For aerial or concentrate spray applications, apply the same amount of CAPTAN 4 FLOWABLE per acre as would normally be applied for dilute sprays.

ALMONDS: Brown rot twig and blossom blight, shothole, scab, leaf blight -- Apply 4.5 qts. Captan 4 FLOWABLE per acre in 20 to 300 gallons of water using ground equipment. Apply at popcorn, bloom and petal fall stages and up to 5 weeks after petal fall. Do not apply within 30 days of harvest. Hulls may be fed to livestock. Subsequent applications may be made up to 12 days of harvest in accordance with pest infestations and state agricultural extension service recommendations, provided the hulls are not fed to dairy animals or animals being finished for slaughter.

APPLES (Western U.S.): Primary scab -- Apply 4 qts. Captan 4 FLOWABLE per acre in a high volume application for preblossom sprays. For preblossom sprays using low volume, apply 8 qts. per acre. In mid-summer, the dosage may be reduced to 2 qts. per acre in high volume applications or 5 qts. per acre in low volume applications. (Pacific Northwest) - Bull's eye rot, Botrytis rot -- Apply 4 qts. Captan 4 FLOWABLE per acre in 20 to 400 gallons of water using ground equipment. Make 1 or 2 applications with late cover sprays and 1 to preharvest applications.

APRICOTS: Brown rot (twig blight), jacket rot -- Apply 5 qts. Captan 4 FLOWABLE per acre in 20 to 250 gallons of water using ground equipment. Apply in red bud, bloom, 75% petal fall, and cover sprays.

CHERRIES (Western U.S.): Brown rot blossom blight, brown rot (fruit), leaf spot -- Apply 2 qts. Captan 4 FLOWABLE per acre in 20 to 200 gallons of water using ground equipment. Apply in pre-bloom, bloom, petal fall, shuck, cover and preharvest sprays.

GRAPES (California): Bunch rot (Botrytis) -- Apply 2 qts. Captan 4 FLOWABLE per acre in 20 to 200 gallons of water using ground equipment. Make 2 application before bloom and 1 immediately after bloom. Repeat periodically making 3 cover applications before the bunches close. Dead Arm (current season infection) -- Apply 1-1/2 to 3 qts. Captan 4 FLOWABLE per acre in 20 to 200 gallons of water using ground equipment. Apply 2 qts. Captan 4 FLOWABLE per acre in 7 to 20 gallons of water by aircraft. Apply first spray when green tissue begins to show but before shoots are 1 inch long and repeat application when shoots are 6 to 8 inches long.

NECTARINES: Brown rot, scab -- Apply 2-1/2 qts. Captan 4 FLOWABLE per acre in 20 to 250 gallons of water using ground equipment. Apply in full pink, bloom, petal fall, shuck, cover and preharvest sprays. Applications at 3 to 4 day intervals may be necessary during bloom to control blossom blight. Repeat application at 7 to 14 day intervals as needed to maintain control. Continue applications

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through harvest if conditions favor brown rot. If powdery mildew is a problem, add 7.5 lbs. sulfur per acre to the petal fall, shuck and early cover sprays. If sulfur is added, CAPTAN 4 FLOWABLE may be reduced to 1-1/2 qts. per acre in these sprays. Coryneum blight (peach blight, shothole) -- Apply 2-1/2 qts. Captan 4 FLOWABLE per acre in 20 to 250 gallons of water using ground equipment. Apply in pink bud, full bloom, petal fall and cover sprays as necessary and as a post harvest spray (but before leaves drop).

PEACHES: Brown rot, scab -- Apply 4 qts. Captan 4 FLOWABLE per acre in 20 to 400 gallons of water using ground equipment. Apply in full pink, bloom, petal fall, shuck stages and in cover and preharvest sprays. Applications at 3 to 4 day intervals may be necessary during bloom to control blossom blight. Repeat application at 7 to 14 day intervals as needed to maintain control. Continue applications through harvest if conditions favor brown rot. If powdery mildew is a problem, add 12 lbs. sulfur per acre to the petal fall, shuck and early cover spray. If sulfur is added, CAPTAN 4 FLOWABLE may be reduced to 2 qts. per acre in these sprays. Coryneum blight (peach blight, shothole) -- Apply 4 qts. Captan 4 FLOWABLE per acre in 20 to 400 gallons of water using ground equipment. Apply in pink bud, full bloom, petal fall stages and cover sprays as necessary and as a post harvest spray (but before leaves drop).

PEACHES (NURSERY STOCK)(California): Preventative preplant dip treatment for crown gall. Use 2 qts. CAPTAN 4 FLOWABLE plus 3.2 pints diluted sodium hypochlorite (5.25% household bleach) per 100 gallons water. Wash nursery trees to remove soil from roots. Cut off all dormant buds and suckers in crown area and prune root system if necessary. Submerge the entire dormant tree for 5 minutes. Recharge dip during operation as necessary to maintain a proper concentration of 200 ppm chlorine. Check the concentration frequently using a chlorine test kit.

PEARS (Western U.S., except Pacific Northwest): Pear scab -- Apply 4 qts. Captan 4 FLOWABLE per acre in 20 to 400 gallons of water using ground equipment. Apply during early finger stage, petal fall and first cover sprays. Under severe scab infection conditions additional treatments may be necessary. Russeting may be reduced on Bosc pears. Do not use on D'Anjou pears.

PLUMS, PRUNES (Western U.S.): Brown rot -- Apply 3 qts. Captan 4 FLOWABLE per acre in 20 to 300 gallons of water using ground equipment. Apply at green bud, popcorn, bloom and petal fall stages. Repeat in cover sprays as conditions warrant. Prune russet scab (lacy scab) (in California only) -- Apply 3 qts. Captan 4 FLOWABLE per acre in 20 to 300 gallons of water using ground equipment. Apply at full bloom.

STRAWBERRIES: Botrytis (gray mold), leaf spot -- Apply 3 qts. Captan 4 FLOWABLE per acre in sufficient water for thorough coverage. Begin applications when new growth starts in the spring and before fruit starts to form. Repeat at weekly intervals. Under conditions favorable to fruit rot continue applications through harvest period treating immediately after each picking.

VEGETABLE CROPSCANTALOUPE, CUCUMBER:

Angular leaf spot, anthracnose -- Apply 2 qts. Captan 4 FLOWABLE per acre in sufficient water for thorough coverage. Begin applications at first signs of infection and repeat at 5 to 7 day intervals or as needed to maintain control.

TOMATOES: Anthracnose, gray leaf spot, septoria leaf spot -- Apply 3 qts. Captan 4 FLOWABLE per acre in sufficient water for thorough coverage. Under severe infection conditions use 3 to 4 qts. per acre in sufficient water for thorough coverage. Apply at first signs of infection and repeat at 5 to 7 day intervals or as needed to maintain control.

POST-HARVEST DIP: Captan can be used as a post-harvest dip or wash on the following crops for prevention of various rots and molds (Rhizopus, Botrytis, Gloeosporium) during storage: Apples, Cherries, Pears. Dilution Rate: Use 1-1/4 qt. per 100 gals. water. Apply as a spray or in dip tank. When used as a dip, recharge wash solution periodically as volume in tank is depleted. When tank volume is reduced 25%, bring water back to volume adding 3/8 qt. Captan 4 Flowable for every 25 gals. of water added. At end of every 8-hour shift, empty tank, flush and charge with fresh dilution. Do not allow dip tank solution to stand overnight. Maintain continuous agitation during dipping operations.

Captan wastes are acutely hazardous. Improper disposal of spray or dip tank mixtures is a violation of Federal Law. Contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance concerning the disposal of spent or excess dip tank mixtures.

STORAGE AND DISPOSAL

PROHIBITIONS: Do not contaminate water, food, or feed by storage, disposal, or cleaning of equipment. Open dumping is prohibited. Do not reuse empty container.

STORAGE: Keep pesticide in original container. Store in a cool dry place (below 110°F). Protect from freezing temperatures (32°F or lower).

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: Triple rinse (or equivalent). Then offer for recycling, reconditioning, or puncture and dispose in a sanitary landfill, or by other procedures approved by state and local authorities.

NOTICE -- READ CAREFULLY

CONDITIONS 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 (and/or Seller) be liable for special, indirect, or consequential damages resulting from the use or handling of this product and no claim of any kind shall be greater in amount than the purchase price of the product in respect of which such damages are claimed.