

US ENVIRONMENTAL PROTECTION AGENCY
OFFICE OF PESTICIDES PROGRAMS
REGISTRATION DIVISION (TS 767)
WASHINGTON, DC 20460

EPA REGISTRATION NO. 1971-7-1

DATE OF ISSUANCE 18 MAR 1992

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

TERM OF ISSUANCE

NAME OF PESTICIDE PRODUCT

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

Model Chemical Company
P.O. Box 9500
2407 Pennsylvania St.
Memphis, TN 38108

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 endorsement 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.

1. The registrant shall file a copy of the registration with the Administrator of the Environmental Protection Agency, Washington, DC 20460, and shall file a copy of the registration with the State of Tennessee, Nashville, TN 37243.
2. The registrant shall file a copy of the registration with the State of Tennessee, Nashville, TN 37243, and shall file a copy of the registration with the State of Tennessee, Nashville, TN 37243.
3. The registrant shall file a copy of the registration with the State of Tennessee, Nashville, TN 37243, and shall file a copy of the registration with the State of Tennessee, Nashville, TN 37243.
4. Submit five (5) copies of the final printed labeling which you release the product for shipment. Refer to the 7-75 enclosure for further description of final printed labeling.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with 40 CFR section 155.10. Your release for shipment of the product constitutes acceptance of these conditions. A copy of the label is enclosed for your records.

Deborah L. Miller
Product Manager (25)
Registration Division (TS 767)
Washington, DC 20460

ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL *Deborah L. Miller*

DATE 3-18-92



ARC 1/1/1972
RCL 3-11-92
U
Wilson

DREXEL

CAPTAN 80W FUNGICIDE

Active Ingredients	By Wt.
*Captan	78.2%
Related Derivatives	1.8%
Inert Ingredients	20.0%
	100%

*N-Trichloromethylthio-4-cyclohexene-1,2-dicarboximide

KEEP OUT OF REACH OF CHILDREN

DANGER - PELIGRO

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

PRECAUCION AL USUARIO: Si usted no lee ingles, no use este producto hasta que la etiqueta le haya sido explicado ampliamente.

STATEMENT OF PRACTICAL TREATMENT

In case of eye contact, immediately flush eyes with fresh water for 15 minutes and see a doctor. If swallowed contact physician, poison control center, or emergency clinic before inducing vomiting. Give water or milk to drink and induce vomiting by touching back of throat with finger, or by administering syrup of ipecac. Do not induce vomiting or give anything by mouth to an unconscious person. If medical advice cannot be obtained, take person and a copy of the label to the nearest emergency treatment facility. For skin contact, wash with plenty of soap and water. See a doctor if irritation occurs or rash develops. If inhaled, remove person from exposure area.

FOR CHEMICAL EMERGENCY: Spill, leak, fire, exposure, or accident call CHEMTREC 1-800-424-9300.

EPA Reg. No. 19713-
EPA Est. No. 19713-GA-1

Manufactured by:
DREXEL CHEMICAL COMPANY
P O Box 9306
Memphis, TN 38109

ACCEPTED
with COMMENTS
in EPA Letter Dated:

12/11/71 236

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

19713-362

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 dust. Remove and separately launder clothing before reuse.

ENVIRONMENTAL HAZARDS

This product 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 clean equipment or dispose of equipment washwaters in a manner that will contaminate water resources.

Review

DIRECTIONS FOR USE

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

READ ENTIRE LABEL. USE STRICTLY IN ACCORDANCE WITH PRECAUTIONARY STATEMENTS AND DIRECTIONS, AND WITH APPLICABLE STATE AND FEDERAL REGULATIONS.

REENTRY STATEMENT

Keep all unprotected persons out of operating areas or vicinity where there may be danger of drift.

Do not allow persons to enter treated areas within 4 days following application unless a long sleeved shirt and long pants or 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; consult your State Department of Agriculture for further information.

Written or oral warnings regarding use of protective clothing and accidental exposure must be given to workers who are expected to be in treated areas or in areas about to be treated.

COMPATIBILITY: Captan 80W may be combined with most commonly used insecticides adjuvants and fungicides with the

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exception of strongly alkaline materials such as hydrated lime, which reduces the fungicidal activity. Do not use this product in combination with oil sprays or with solvent formulations of Parathion products. Do not use this product on foliage closely following oil sprays.

USE PRECAUTIONS

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 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.

A dust mask must be worn when mixing and loading this product.

During application only, if 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.

NOTE: For concentrated sprayer applications, the same quantity (per acre) of Captan 80W as would be normally applied when spraying dilute mixture, should be applied to each acre in sufficient water for coverage.

This product is formulated for application by ground or air equipment. Apply by ground or air according to the use directions given for each crop below.

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

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CROPS

GENERAL

Use Precautions

Except as specified begin applications before or at first sign of disease and repeat as needed to maintain control but observe use limitations. Unless otherwise specified, application can be made on the day of harvest. Apply the high rate when climatic conditions most favors disease(s) and the low rate when climatic conditions least favors disease(s). If you are unaware of the climatic conditions favorable for disease(s) claimed for the specific use sites, you must consult with your State Agricultural Extension Service to learn of these conditions.

ORNAMENTALS

Use Precautions

Do not apply spray to ornamental plants listed below beyond the point of drip from the leaf surface. When applying as a drench use a sufficient mixture to wet the surface of the soil except when the dose is specified in terms of volume of mixture per square feet of area.

IMPORTANT: Read label carefully. Although most of the directions on this label may be followed nationwide, a few are limited to either the eastern or western U. S. Follow those directions for your growing area where specified.

ALMONDS: Brown Rot, Twig and Blossom Blight, Shot Hole, Scab, Leaf Blight - Apply 5.6 pounds Captan 80W per acre in 20 to 300 gals. of water using ground equipment. Apply at popcorn, bloom, 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 (Eastern U.S.): Primary Scab, Black rot, Botrytis Blossom End Rot - Apply 5 pounds Captan 80W per acre in 20 to 400 gals. of water using ground equipment. Apply at 5 to 7 day intervals as needed to maintain control in pretloom, bloom, petal fall and first cover sprays.

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Secondary Scab, Brooks Fruit Spot, Sooty Blotch, Fly Speck, Black Rot, Black Pox, Botryosphaeria Rot, Bitter Rot - Apply 2 1/2 to 5 pounds Captan 80W per acre in 20 to 400 gals. of water using ground equipment or in 5 to 20 gals. of water by air. Apply at 10 to 14 day intervals in second and later cover sprays up to start of harvest. Powdery Mildew - If powdery mildew is a problem add 6 to 12 pounds sulfur per acre or 1 to 2 pounds of Karathane per acre to all postbloom sprays until the foliage matures. Use 2 pounds of Karathane if interval between sprays is longer than 7 days. CAUTION - Do not use Captan 80W in combination with or closely following or in alternation with wettable sulfur products on sulfur sensitive varieties of apples such as Red Delicious, Staymen, Baldwin King, etc. as severe injury and defoliation may occur.

APPLES (Western U.S.): Apple Scab - Apply 5 pounds Captan 80W per acre in a high volume application for preblossom sprays. In mid-summer, the dosage may be reduced to 2 1/2 pounds per acre in high volume applications.

(Pacific Northwest): Bull's Eye Rot, Botrytis Rot - Apply 5 pounds Captan 80W per acre in 20 to 400 gals. of water using ground equipment. Make 1 or 2 applications with late cover sprays and 1 to 2 preharvest applications.

APPLES - POST HARVEST DIP (Except CA): For control of Various Molds and Storage Rots (Botrytis, Gleosporium, Rhizopus) - Use as a post harvest dip or wash. Mix 1 3/5 pounds Captan 80W per 100 gals. water. Apply as a spray or in a dip tank. When used as a dip, recharge solution when tank volume is reduced by 25%. Bring water back to volume and add 5/8 pound Captan 80W for each 25 gals. added. At the end of every 8 hour shift empty tank, flush and mix with a fresh dilution. Do not allow dip tank solution to stand overnight. Maintain continuous agitation during dipping operation.

APRICOTS: Brown Rot (Twig Blight) Jacket Rot - Apply 3 1/8 pounds Captan 80W per acre in 20 to 250 gals. of water using ground equipment. Apply at red bud, bloom 75% petal fall stages and in cover sprays. Do not apply by aerial application to apricots.

BLUEBERRIES: (western U.S.): Botrytis gray mold or berry rot, mummy berry - Apply 1 1/2 pounds Captan 80W per acre in sufficient water for thorough coverage. Begin at mid-bloom, repeat at 7 to 10 day intervals until maturity.

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BLUEBERRIES: (eastern U.S.): Botrytis gray mold or berry rot, mummy berry - Apply 3 1/8 pounds Captan 80W per acre in sufficient water for thorough coverage. Start spray program when buds swell and earliest buds have loose scales. Repeat at 7 day intervals through blossom period. Repeat at 7 to 20 day intervals from late bloom.

CHERRIES (Eastern U.S.): Brown Rot, Leaf Spot, Botrytis Rot - Apply 2 1/2 pounds Captan 80W per acre in 20 to 200 gals. of water using ground equipment. Apply in prebloom, bloom, petal fall, shuck, cover and preharvest sprays. Application at 3 to 4 day intervals may be necessary during bloom to control Blossom Blight. Repeat applications at 7 to 10 day intervals as needed to maintain control up to start of harvest. If powdery mildew is a problem add 6 pounds sulfur per acre to the petal fall, shuck and early cover sprays. If sulfur is added, Captan 80W may be reduced to 1 1/4 pounds per acre in these sprays. Do not apply by aerial application on cherries.

Post Harvest Sprays - Leaf Spot: apply 2 1/2 pounds Captan 80W per acre in 20 to 200 gals. of water using ground equipment. Apply immediately after harvest and repeat application in 10 to 14 days. (Western U.S.): Brown Rot, Blossom Blight, Brown Rot (Fruit), Leaf Spot: Apply 2 1/2 pounds Captan 80W per acre in 20 to 200 gals of water using ground equipment. Apply in prebloom, bloom, petal fall, shuck, cover and preharvest sprays. Do not apply by aerial application on cherries.

CHERRIES-POST HARVEST DIP: For control of Various Molds and Storage Rots (Botrytis, Gleosporium, Rhizopus) - Use as a post harvest dip or wash. Mix 1 3/5 pounds Captan 80W per 100 gals. water. Apply as a spray or in a dip tank. When used as a dip, recharge solution when tank volume is reduced by 25%. Bring water back to volume and add 5/8 pounds Captan 80W for each 25 gals. added. At the end of every 8 hour shift empty tank, flush and mix a fresh dilution. Do not allow dip tank solution to stand overnight. Maintain continuous agitation during dipping operation.

GRAPES (Eastern U.S.): Black Rot, Downy Mildew - apply 2 1/2 pounds Captan 80W per acre in 10 to 200 gals. of water using ground equipment. Apply first application just before bloom, repeat application immediately after bloom and at 10 to 14 day intervals for 1 to 3 additional applications depending on disease pressure and susceptibility of the grape variety.

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Apply Captan 80W to shoots, buds, and leaves, and repeat application when shoots are 1/2 to 1 inch long and repeat application when shoots are 4 to 6 inches long.

Dead Arm (current season infection) - Apply 1 1/4 to 2 1/2 pounds Captan 80W per acre in 10 to 200 gals. of water using ground equipment and 2 1/2 pounds per acre in 7 to 20 gallons of water by air. Apply first application when shoots are 1/2 to 1 inch long and repeat application when shoots are 4 to 6 inches long.

GRAPES (California): Bunch Rot (Botrytis) - Apply 2 1/2 pounds Captan 80W per acre in 10 to 200 gals. of water using ground equipment. Apply 2 applications before bloom and 1 immediately after bloom. Repeat periodically making 3 cover sprays before bunches close.

Dead Arm (current season infection) - Apply 2 to 2 1/2 pounds Captan 80W per acre in 10 to 200 gals. of water using ground equipment and 2 1/2 pounds per acre in 7 to 20 gallons of water by air. 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 5 pounds Captan 80W per acre in 20 to 250 gals. 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 applications at 7 to 14 day intervals as necessary to maintain control. Continuous applications through harvest if conditions favor Brown Rot. If powdery mildew is a problem, add 7 1/2 pounds sulfur per acre to the petal fall and shuck sprays and early cover spray. If sulfur is added, Captan 80W may be reduced to 1.56 pounds per acre in these sprays.

Coryneum Blight (Peach Blight, Shot Hole) - Apply 5 pounds Captan 80W per acre in 20 to 250 gals. 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). Do not apply by aerial application on nectarines.

PEACHES: Brown Rot, Scab - Apply 5 pounds Captan 80W per acre in 20 to 400 gals of water using ground equipment. Apply at 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 applications 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 pounds of sulfur per acre to the petal fall and shuck sprays and early cover spray. If sulfur is added, Captan 80W may be reduced to 2 1/2 pounds per acre in these sprays.

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Coryneum Blight (Peach Blight, Shot Hole) - Apply 5 pounds Captan 80W per acre in 20 to 400 gals. of water using ground equipment. Apply at pink bud, full bloom and petal fall stages and in cover sprays as necessary and as a post harvest spray (but before leaf drop).

PEARS - POST HARVEST DIP (Except CA): For control of Various Molds and Storage Rots (Botrytis, Gleosporium, Rhizopus) - use as a post harvest dip or wash. Mix 1 3/5 pounds Captan 80W per 100 gals. of water. Apply as a spray or in a dip tank. When used as a dip, recharge solution when tank volume is reduced by 25%. Bring water back to volume and add 5/8 pound Captan 80W for each 25 gals. added. At the end of every 8 hour shift empty tank, flush and mix with a fresh dilution. Do not allow dip tank solution to stand overnight. Maintain continuous agitation during dip operation.

PLUMS, FRESH PRUNES (Western U.S.): Brown Rot - Apply 3 3/4 pounds Captan 80W per acre in 20 to 300 gals. of water using ground equipment. Apply at green bud, popcorn, bloom and petal fall stages. Repeat in cover sprays as conditions warrant. California: Prune Russet Scab (Lacy scab) - Apply 3 3/4 pounds Captan 80W per acre in 20 to 300 gals. of water using ground equipment. Apply at full bloom. Do not apply by aerial application on plums or fresh prunes.

PLUMS, FRESH PRUNES (EASTERN U.S.): Brown Rot - Apply 3 3/4 pounds Captan 80W per acre in 20 to 300 gals. of water using ground equipment. Apply in full pink, bloom and petal fall sprays. Repeat applications at 7 to 14 day intervals as needed to maintain control. Continue applications through harvest if conditions favor Brown Rot. The addition of a neutral spreader has improved coverage. Do not apply by aerial application on plums or fresh prunes.

STRAWBERRIES: Botrytis (Gray Mold, Leaf Spot) - Apply 3 3/4 pounds Captan 80W 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.

TURF, LAWN: Brown Patch, Leaf Spot, Damping Off, Root Rot - 1 1/4 pounds per 100 gals. spray. Apply 10 gals. to each 1000 sq. ft. of turf or apply 5 pounds per acre in water for coverage. Apply prior to infection. Repeat at 7 to 10 day intervals as necessary. Do not graze treated areas or feed clippings to livestock.

Do not apply under conditions involving possible drift to food, forage or other plantings that might be damaged or the crops thereof rendered unfit for sale, use or consumption

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STORAGE AND DISPOSAL

PROHIBITIONS

Do not contaminate water, food or feed by storage, disposal or cleaning of equipment. Open dumping is prohibited.

STORAGE

Keep pesticide in original container. Do not put concentrate or dilute into food or drink containers. Do not store or transport near feed or food. For help with any spill, leak, fire or exposure involving this material call day or night CHEMTREC 1-800-424-9300.

CONTAINER DISPOSAL

Completely empty bag into application equipment. Do not reuse container. Dispose of empty bag in a sanitary landfill or by incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke.

PESTICIDE DISPOSAL

This pesticide is acutely hazardous. Improper disposal of excess pesticide 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.

NOTICE TO BUYER AND USER: Seller warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in accordance with directions under normal conditions of use. This warranty does not extend to the use of this product contrary to label instructions, or under abnormal use conditions, or under conditions not reasonably foreseeable to Seller, and Buyer and User assume the risk of any such use. SELLER DISCLAIMS ALL OTHER WARRANTIES EXPRESSED OR IMPLIED INCLUDING ANY WARRANTY OF FITNESS OR MERCHANTABILITY. SELLER SHALL NOT BE LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT AND SELLER'S SOLE LIABILITY AND BUYER'S AND USER'S EXCLUSIVE REMEDY SHALL BE LIMITED TO THE REFUND OF THE PURCHASE PRICE.

RQ Hazardous substance solid, N.O.S. NA 9188 (captan)

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