

66330-25

5/7/2004

Page 188



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Doina Bujor
Project Manager, R&RA
Arvesta Corporation
100 First Street
Suite 1700
San Francisco, CA 94105

MAY 7 2004

Subject: Captan 75 Seed Protectant
EPA Reg. No. 66330-25
Your amendment dated July 16, 2003

Dear Ms Bujor:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act as amended is acceptable provided the following changes are made:

1. Signal words: increase the size of the signal words "DANGER - PELIGRO" to 18 pt. type.
2. In the section HAZARDS TO HUMANS AND DOMESTIC ANIMALS, delete the sentence "May cause allergic skin reactions" and add "Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals."
3. In the section PERSONAL PROTECTIVE EQUIPMENT, replace the phrase "chemical-resistant gloves" with "chemical resistant gloves made of any waterproof material."
4. In the section DIRECTIONS FOR USE / Post-Application/Entry Restrictions, replace the phrase "chemical-resistant gloves" with "chemical resistant gloves made of any waterproof material."
5. In the section "DIRECTIONS FOR USE / SLURRY TREATMENT / GLADIOLUS CORMS, replace "Use 1½ ounces in 1-gallon water (1 pound to 10 gallons)" with "Use 0.4 ounces in 1-gallon water (1 pound to 40 gallons)"

One copy of the label stamped "Accepted with comments" is enclosed for your records. Please submit one copy of the final printed label that incorporates the required changes before the product is released for shipment.

EPA Reg. No. 66330-25
Captan 75 Seed Protectant
Page 2 of 2

288

If you have any questions, please contact Robert Westin by phone at (703) 305-5721 or via email at westin.robert@epa.gov.

Sincerely,



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

Enclosure

3 8 8

CAPTAN 75 SEED PROTECTANT Fungicide

**A Slurry Product – Contains Binder
Prevents Seed Rot and Damp-off Diseases**

ACTIVE INGREDIENTS

Captan* 73.3 %
Related Derivatives 1.7 %

INERT INGREDIENTS 25.0 %

TOTAL 100.0 %

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

EPA Reg. No. 66330-25
EPA Est. No.

Net Weight:

KEEP OUT OF REACH OF CHILDREN

**DANGER
PELIGRO**

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.
(If you do not understand the label, find someone to explain it to you in detail).

Made in U.S.A.

ARVESTA CORPORATION
100 First Street, Suite 1700
San Francisco, CA 94105

FIRST AID	
IF IN EYES	<ul style="list-style-type: none"> Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.
IF ON SKIN OR CLOTHING	<ul style="list-style-type: none"> Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
IF SWALLOWED	<ul style="list-style-type: none"> Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.
IF INHALED	<ul style="list-style-type: none"> Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

Have a product container or label with you when calling poison control center or doctor or going for treatment.

**FOR 24-HOUR EMERGENCY MEDICAL ASSISTANCE CALL:
(800) 228-5635 ext 174
FOR CHEMICAL EMERGENCY: Spill, leak, fire, exposure, or accident call
CHEMTREC 1-800-424-9300**

See Side Panel For Additional Precautionary Statements

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS & DOMESTIC ANIMALS

DANGER

Corrosive. Causes irreversible eye damage. Harmful if swallowed or inhaled. Harmful if absorbed through skin. Wear goggles or face shield when handling. Avoid contact with eyes, skin and clothing. Avoid breathing dust. May cause allergic skin reactions.

Personal Protective Equipment (PPE)

Some materials that are chemical-resistant to this product are polyethylene and polyvinyl chloride. If you want more options, follow the instructions for category A on an EPA chemical-resistance category selection chart.

All mixers, loaders, applicators, and other handlers must wear:

- long-sleeved shirt and long pants,
- shoes plus socks,
- chemical-resistant gloves (except applicators driving motorized equipment),
- chemical-resistant apron when participating in dip treatments,
- protective eyewear

In addition dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C) or a NIOSH-approved respirator with any N², R, P, or HE filter must be worn by all handlers *except* (1) applicators driving motorized equipment, and (2) mixers/loaders/applicators participating in backpack, low-pressure handwand/handgun, and dip treatments.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

User Safety Recommendations

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

This product is toxic to fish. Do not contaminate water when disposing of equipment washwaters or rinsate.

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.

Post-Application/Entry Restrictions

- For application to seeds: All persons handling unbagged treated seeds must be wearing the personal protective equipment required on this labeling for handlers.

Seed that has been treated with this product that is then packaged and offered for sale or distribution must contain the following labeling:

This bag contains seeds treated with captan. To avoid possible adverse health effects, when opening this bag to load the treated seed, wear long-sleeved shirt, long pants, shoes plus socks, chemical-resistant gloves, NIOSH-approved dust-mist respirator (dust mist filtering respirator with MSHA/NIOSH approval number prefix TC-21C, or a NIOSH approved respirator with any N², R, P, or HE filter) and eye protection.

Labels attached to treated bags of seed must state: "Treated Seed – Do Not Use For Food, Feed, or Oil Purposes."

CAPTAN 75 SEED PROTECTANT is a special formulation containing captan for seed treatment application. CAPTAN 75 SEED PROTECTANT now contains a binder which helps to adhere the treater to the seed so that there is minimum loss during processing and planting. The binder has no adverse effect on seed germination or planting rate. It is used in preventing seed rot and damp-off diseases on germinating seedlings and smut on onion and hulled sorghum seed.

USE PRECAUTIONS

When using formulations that do not contain dye, to comply with 21 CFR Chapter 1, Section 2.5, all seed treated with a pesticide must be colored to distinguish and prevent subsequent inadvertent use as a food for man or feed for animals.

SLURRY TREATMENT

When used in slurry treaters, do not allow mixtures to stand overnight. Clean out equipment thoroughly between treating operations.

GLADIOLUS CORMS

FOR PREVENTION OF BULB ROT – Use 1½ ounces in 1-gallon water (1 pound to 10 gallons). Soak bulbs in mixture 20 to 30 minutes.

GRASS SEED (RANGE GRASSES SUCH AS WHEATGRASS AND BROMEGRASS)

TO CONTROL *PODOSPORIELLA VERTICILLATA*: 12 oz. CAPTAN 75 SEED PROTECTANT per 100 lbs. of seed. Apply as slurry treatment.

ONION SEED PELLETTING

Use 1-pound CAPTAN 75 SEED PROTECTANT per 1 pound of seed plus ¼ pint methyl cellulose 5% solution.

THE FOLLOWING TABLE gives amount of CAPTAN 75 SEED PROTECTANT to use on various seeds. DO NOT USE ON BABY LIMA BEANS.

SEED	DOSAGE RATE	Lbs. Seed Treated/ Lb. Of Product	
Corn – Field	1¼ oz./100lbs. 2/3 oz./bu.	1280	
Corn – Sweet	2 ^{2/3} oz./ 100 lbs. 1½ oz./bu.	600	
Wheat	1¼ oz./100 lbs. 2/3 oz./bu.	1280	
Oats	For seed and Seedling Rots - Not for Smut	2 oz./100 lbs. 2/3 oz./bu.	800
Barley		1½ oz./100 lbs. 2/3 oz./bu.	1070
Flax	2½ oz./100 lbs. 1 ^{1/3} oz./bu.	640	
Beans (Except Baby Limas) Peas	1¾ oz./100 lbs. 1 oz./bu.	910	
Lentils (Washington & Idaho Only)	1¾ oz./100 lbs.	910	
Carrot	6 oz./100 lbs.	265	
Cucumber, Cantaloupe	2 oz./100 lbs.	800	
Squash, Pumpkin, Watermelon	1 ^{1/3} oz./100 lbs.	1200	

Beets, Swiss Chard	8 oz./100 lbs.	200
Rutabaga	3 oz./100 lbs.	530
Sugar Beets	8 oz./100 lbs.	200
Clover	5½ oz./100 lbs.	290
Alfalfa	3 ^{1/3} oz./bu.	
Soybeans	1 ^{2/3} oz./100 lbs. 1 oz./bu.	960
Turnip	2 oz./100 lbs.	800
Cotton – Acid Delinted	2 oz./100 lbs.	800
Cotton – Machine Delinted Fuzzy (not delinted)	3 oz./100 lbs.	530
Blue Grass	5½ oz./100 lbs.	290
Cabbage, Cauliflower, Radish, Broccoli, Brussel Sprouts	1 oz./100 lbs.	1600
Spinach, Eggplant	4 oz./100 lbs.	400
Sorghum (Hulled-Kernel Smut)	3 oz./100 lbs.	530
Peppers	2 oz./100 lbs.	800
Cowpeas	2 oz./100 lbs. 1¼ oz./bu.	800
Rye	1¾ oz./100 lbs.	910
Sesame	1 oz./100 lbs.	1600

Do not feed treated seed to animals. Do not reuse treated seed for human consumption. Seeds treated with CAPTAN 75 SEED PROTECTANT, sold or shipped as feed or foodstuffs may be considered adulterated under state and federal laws. Treated seed must be labeled as follows: "TREATED SEED. DO NOT USE FOR FOOD, FEED OR OIL."

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 store or transport near feed or food. Store in a cool, dry place. Protect from excessive heat. For help with any spill, leak, fire or exposure involving this material, call day or night CHEMTREC 1-800-424-9300.

PESTICIDE DISPOSAL: This product is 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 instruction, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: Completely empty liner by shaking and taping sides and bottom to loosen clinging particles. Empty residue into application equipment. Do not reuse container. Dispose of liner in a sanitary landfill, or incineration if allowed by state and local authorities. If drum is contaminated and cannot be reused, dispose of in the same manner.

**NOTICE TO BUYER AND USER:
CONDITIONS OF SALE:**

1. ARVESTA CORPORATION 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 the directions under normal conditions of use.
2. 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 Arvesta. ARVESTA 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. ARVESTA DOES NOT AUTHORIZE ANY AGENT OR REPRESENTATIVE TO MAKE ANY OTHER WARRANTY, GUARANTEE OR REPRESENTATION CONCERNING THIS PRODUCT.
3. Critical and unforeseeable factors beyond Arvesta's control prevent it from eliminating all risks in connection with use of this product. Such risks include, but are not limited to, damage to plants and crops to which the product is applied, lack of complete control, and damage caused by drift to other plants or crops. Such risks occur even though the product is reasonably fit for the uses stated on the label and even though label directions are followed. Except as stated in 1 above, Buyer and User acknowledge and assume all risks and liability resulting from handling, storage, and use of this product.

**ACCEPTED
with COMMENTS
In EPA Letter Dated:**

MAY 7 2004

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

66 330-25