

06330-238

03/02/2007

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**U.S. ENVIRONMENTAL PROTECTION AGENCY**

Office of Pesticide Programs  
Registration Division (7505P)  
1200 Pennsylvania Ave., N.W.  
Washington, D.C. 20460

EPA Reg. Number:

**66330-238**

Date of Issuance:

**MAR 2 2007**

Terms of Issuance:  
**Unconditional**

Name of Pesticide Product:

**Captan 4 Flowable Seed Protectant**

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

Name and Address of Registrant (include ZIP Code):  
**Arysta LifeScience North America Corporation  
15401 Weston Parkway, Suite 150  
Cary, NC 27513**

**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.

Based on your response to the Reregistration Eligibility Document(s), EPA has reregistered the product listed above. This action is taken under the authority of section 4(g)(2)(c) of the Federal Insecticide, Fungicide, and Rodenticide Act, as amended. Reregistration under this section does not eliminate the need for continual reassessment of pesticides. EPA may require submission of data at any time to maintain the registration of your product.

A copy of your label stamped "Accepted" is enclosed for your records.

Signature of Approving Official:

Cynthia Giles-Parker, Branch Chief  
Registration Division, Fungicide Branch

Date:

**MAR 2 2007**

Due to eye irritation. For retail sale to and use only by Certified Applicators, or persons under their direct supervision, and only for those uses covered by the Certified Applicator's certification.

**CAPTAN 4 FLOWABLE SEED PROTECTANT  
Agricultural Fungicide – Aqueous Suspension**

**ACTIVE INGREDIENT:**

Captan- N-Trichloromethylthio-4-cyclohexene-1,2-dicarboximide: ... 38.75%

Relative Derivatives: ..... 0.85%

**INERT INGREDIENTS:** .....60.40%

**TOTAL:** .....100.00%

(Contains 4 Pounds of Active Ingredients Per Gallon)

**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 this label, find someone to explain it to you in detail.)

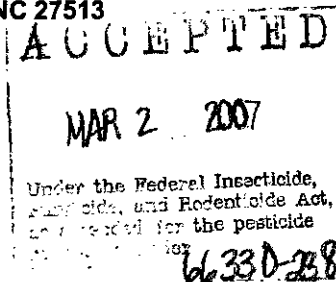
IF A KNOWN EXPOSURE OCCURS OR IS SUSPECTED, IMMEDIATELY START THE PROCEDURES GIVEN BELOW AND CONTACT A POISON CENTER, A PHYSICIAN OR THE NEAREST HOSPITAL. DESCRIBE THE TYPE AND EXTENT OF EXPOSURE, THE VICTIM'S SYMPTOMS, AND FOLLOW THE ADVICE GIVEN.

<b>FIRST AID</b>	
<b>IF IN EYES:</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>IF SWALLOWED:</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
<b>IF INHALED:</b>	<ul style="list-style-type: none"> <li>• 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.</li> </ul>
<b>IF ON SKIN OR CLOTHING:</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>NOTE TO PHYSICIAN:</b> Probable mucosal damage may contraindicate gastric lavage.	
<b>EMERGENCY TELEPHONE NUMBERS:</b> Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may contact: <b>FOR 24- HOUR EMERGENCY MEDICAL ASSISTANCE CALL: 1-866-303-6952</b> <b>FOR CHEMICAL EMERGENCY:</b> Spill, leak, fire, exposure, or accident call CHEMTREC 1-800-424-9300	

**See Attached Booklet for Additional Precautions and Use Directions**

EPA Reg. No. 66330-238  
 EPA Est. No. 51036-GA-1  
 AD xxxxxx  
 NET CONTENTS: \_\_\_ Gal.

**Manufactured For:**  
**Arysta LifeScience North America Corporation**  
**15401 Westin Parkway, Suite 150**  
**Cary, NC 27513**



Filename: CAPTAN 4 Flowable SP (238-010507).doc

This pesticide 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. Do not apply this product in a way that will contact...

**PRECAUTIONARY STATEMENTS**  
**Hazards to Humans and Domestic Animals**

**DANGER**

Corrosive. Causes irreversible eye damage. Harmful if swallowed or absorbed through the skin or inhaled. Do not get in eyes or on clothing. Avoid contact with skin. Avoid breathing spray mist. Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals.

**PERSONAL PROTECTIVE EQUIPMENT (PPE)**

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

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

- Long-sleeved shirt and long pants
- Shoes plus socks
- Protective eyewear such as goggles or face shield
- Chemical resistant gloves such as nitrile rubber, butyl rubber, neoprene rubber, and/or barrier laminate; except when sewing bags of treated seed
- Chemical resistant apron when mixing/loading, cleaning up spills, cleaning equipment, or otherwise exposed to the concentrate.

Persons drying or bagging treated seeds or sewing bags containing treated seeds are handlers and must wear handler personal protective equipment.

Persons cutting, sorting, or otherwise handling treated seed pieces are handlers and must wear handler personal protective equipment.

**USER SAFETY RECOMMENDATIONS**

Users should:

1. Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
2. Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
3. 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 pesticide 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. Do not apply this product in a way that will contact workers or other persons. Only protected handlers may be in the area during application.

**AGRICULTURAL USE REQUIREMENTS**

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment and restricted-entry intervals. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of:

12 hours for planter box-type or hopper-box seed treatment uses. Exception: Once the seeds are planted in soil or other planting media, the Worker Protection Standard allows workers to enter the treated area without restriction if there will be no contact with the soil/media surface.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated such as plants, soil, or water, is:

- 1. Coveralls
- 2. Chemical-resistant gloves made of any water-proof material
- 3. Shoes plus socks
- 4. Protective eyewear

Notification: Notify workers of the application by warning them orally and by posting warning signs at the entrances to treated areas.

Eye Protection: For at least seven days following the application of captan the following safety measures must be provided:

- 1. At least one container designed specifically for flushing eyes must be available in operating conditions at the WPS-required decontamination site for workers entering the area treated with captan, and
- 2. workers must be informed orally, in a manner they can understand:
  - a. that the residues in the treated area may be highly irritating to their eyes,
  - b. that they should take precautions, such as refraining from rubbing their eyes, to keep the residues out of their eyes,
  - c. that if they do get residues in their eyes, they should immediately flush their eyes with they eyeflush container that is located at the decontamination site, and
  - d. how to operate the eyeflush container.

**USE PRECAUTIONS**

**SPECIAL USE PRECAUTIONS IMPORTANT:** Treated seed must not be used for human consumption nor for animal feed. The Federal Government and most States have seed laws or regulations requiring that an appropriate caution statement be affixed to bags containing treated seed, such as: TREATED SEED – DO NOT USE FOR FEED, FOOD OR OIL PURPOSES

**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. 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 incinerations, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

**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.

Captan 4 Flowable Seed Protectant is an aqueous suspension suitable for the treatment of seed prior to storage and planting, to protect seed from molds and other fungi causing storage loss and to protect seed from seed-borne and soil-borne fungi which cause seed decay, damping-off and seedling blights.

**READ ALL DIRECTIONS BEFORE USING AND USE ONLY AS SPECIFIED ON THE LABEL.**

**IMPORTANT:** Before using – stir thoroughly to mix contents.

**DIRECTIONS:** Thoroughly mix the recommended amount of Captan 4 Flowable Seed Protectant into the required amount of water for the slurry treatment equipment and dilution rate to be used. Clean equipment thoroughly between treating operations.

Seed that has been treated with this product that is then packaged or bagged for future use must contain the following labeling: "This bag contains seed treated with captan. Persons opening this bag or loading/pouring the treated seed, must wear long-sleeved shirt, long pants, shoes, socks, and chemical resistant gloves. Treated Seed – Do Not Use for Food, Feed or Oil Purposes."

**NOTE:** Seed treated by the slurry method should not be bagged until such time as the seed has had an opportunity to dry. Store in well ventilated areas. If seed is bagged when wet, heat is developed and impairs seed germination.

The following TABLE gives recommended amounts of Captan 4 Flowable Seed Protectant to use on various seed.

SEED	DOSAGE Oz. a.i. / 100 lb.	CAPTAN 4 Fl. Oz. / 100 lb.
Alfalfa, clover, Lespedeza, Trefoil	4.0	7.8
Beans (Snap, dry)*	1.3	2.5
Beets (Garden)	6.0.	11.8
Cereal Grains (For seed and seedling rots – will not control bunt smut)		
Barley, Rye	1.5	2.9
Oats	2.0	3.9
Wheat	1.0	1.9
Cole Crops (Broccoli, Brussels Sprouts, Cabbage, Cauliflower)	1.1	2.1
Corn – Field	1.1	2.1
Sweet	2.0	3.9
Cotton – Acid Delinted	2.5	4.9
Reginned	3.5	6.8
Fuzzy	3.5	6.8
Cowpeas	1.5	2.9
Cantaloupe, Cucumber	1.6	3.1
Crucifers (Mustard, Rape)	0.8	1.5
Flax	2.0	3.9
Grasses	4.1	8.0
Milo	3.0	5.9
Onions	12.8 oz a.i./lb.	25.2 fl. oz. / lb.
Peanuts	3.0	5.9
Peas, Lentils	1.3	2.5
Peppers	1.5	2.9
Radish	1.1	2.1
Sorghum (Hulled) – For Kernel Smut	3.0	5.9
Soybeans	1.3	2.5
Spinach	3.3	6.5
Squash, Pumpkin, Watermelon, Muskmelon	1.0	1.9
Sugar Beets – West	3.0	5.9
East	6.0	11.8
Sunflowers	2.0	3.9
Swiss Chard	6.0	11.8
Turnips	1.5	2.9

Gladiola Bulbs – Prevention of bulb rot – use 2 ¼ fl. oz. in 1 gal. water (1 ½ pts. to 100 gals.). Soak bulbs in mixture 20 to 30 minutes.

\*Do not use on lima beans.

Further specific information on the subject of seed treatment may be obtained from State Agricultural Experimental Stations or the State Agricultural Extension Service.

### CONDITIONS OF SALE

1. Arysta LifeScience North America Corporation ("Arysta") warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label only 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 conditions not reasonably foreseeable to Arysta. **ARYSTA DISCLAIMS ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING ANY WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY. TO THE EXTENT PERMITTED BY LAW, SELLER SHALL NOT BE LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM OR IN CONNECTION WITH THE MANUFACTURE, SALE, DELIVERY, USE, HANDLING OR STORAGE OF THIS PRODUCT. TO THE EXTENT PERMITTED BY LAW, SELLER'S LIABILITY SHALL BE LIMITED TO THE REFUND OF THE PURCHASE PRICE. ARYSTA DOES NOT AUTHORIZE ANY AGENT OR REPRESENTATIVE TO MAKE ANY OTHER WARRANTY, GUARANTEE OR REPRESENTATION CONCERNING THIS PRODUCT.**
3. Critical and unforeseeable factors beyond the control of Arysta prevent Arysta from eliminating all risks in connection with the use of this product. Such risks include, but are not limited to, damage to plants and crops to which 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 use stated on the label and even though label directions are followed. Except as stated in 1 above, to the extent permitted by law, by purchasing, accepting and using this product, the buyer and user acknowledge and assume all risks and liabilities resulting from handling, storage, and use of this product.

**Restricted Use Pesticide**  
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**CAPTAN 4 FLOWABLE SEED PROTECTANT**  
**Agricultural Fungicide – Aqueous Suspension**

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**EPA Reg. No. 66330-238**  
**EPA Est. No. 51036-GA-1**

**Manufactured For:**  
**Arysta LifeScience North America**  
**Corporation**

**AD xxxxxx**  
**NET CONTENTS: \_\_\_\_ Gal.**

**15401 Westin Parkway, Suite 150**  
**Cary, NC 27513**