

19713-161

01/09/2012

1/3



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

OFFICE OF CHEMICAL, SAFETY
AND POLLUTION PREVENTION

Luz Chan
Drexel Chemical Company
PO Box 13327
Memphis, TN 38113-0327

JAN 09 2012

Subject: Drexel Captan 4 Flowable Seed Protectant – Formula Change and Label Amendment
EPA Registration No. 19713-161
Decision No. 458693
Submission Date: 11/28/11

Dear Ms Chan:

The basic Confidential Statement of Formula (CSF) dated 11/28/2011 referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act as amended, to change the supplier of active ingredient is acceptable. The basic CSF supersedes the basic CSF previously accepted for this product.

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended to correctly reflect the percent of active ingredient as stated on the basic CSF dated 11/28/11 is acceptable.

A stamped copy is enclosed for your records. Please submit one (1) final printed copy for the above mentioned label before releasing the product for shipment. If you have any questions, please contact Dominic Schuler at (703) 347-0260 or via email at schuler.dominic@epa.gov.

Sincerely,

A handwritten signature in black ink that reads "Tony Kish". The signature is written in a cursive style with a large, sweeping "T" and "K".

Tony Kish
Product Manager 22
Fungicide Branch
Registration Division (7504P)

Drexel

Captan 4 Flowable

Seed Protectant

ACTIVE INGREDIENT:

Captan 38.5%

OTHER INGREDIENTS: 61.5%

TOTAL: 100.0%

This product contains 4.0 pounds of active ingredient per gallon.

KEEP OUT OF REACH OF CHILDREN DANGER/PELIGRO

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

See **FIRST AID Below**
SHAKE WELL BEFORE USING

[Optional: **RECIRCULATE CONTENTS BEFORE USE**]

EPA Reg. No. 19713-161

EPA Est. No. 19713-XX-XXX

Net Content: _____

FIRST AID

IF IN EYES:

- Hold eye open and rinse slowly and gently with water for 15 to 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 SWALLOWED:

- 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 a poison control center or doctor.
- Do not give anything by mouth to an unconscious or convulsing person.

IF INHALED:

- 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 advice.

IF ON SKIN OR CLOTHING:

- Take off contaminated clothing.
- Rinse skin immediately with plenty of water for 15 to 20 minutes.
- Call a poison control center or doctor for treatment advice.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For information on this pesticide product (including health concerns, medical emergencies or pesticide incidents), call the National Pesticide Information Center at 1-800-858-7378.

Note to Physician: Probable mucosal damage may contraindicate the use of gastric lavage.

PRECAUTIONARY STATEMENTS Hazards to Humans and Domestic Animals

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

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical-resistant to this product are made of any waterproof material such as polyethylene or 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, protective eyewear such as goggles or faceshield, chemical-resistant gloves, chemical-resistant apron when mixing loading, cleaning up spills, cleaning equipment, or otherwise exposed to the concentrate. **(Continued)**

PRECAUTIONARY STATEMENTS (Cont.)

Persons drying or bagging treated seeds or sewing bags containing treated seeds are handlers and must wear handler personal protective equipment. 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: 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 chemical is toxic to fish. Do not contaminate water when disposing of equipment washwaters or rinsate.

USE INFORMATION

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 and seedling blight.

DIRECTIONS FOR USE

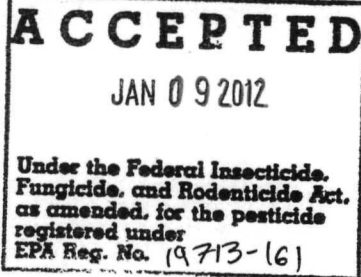
It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons. Only protected handlers may be in the area during application.

USE PRECAUTIONS AND RESTRICTIONS

DO NOT use for planter box or hopper box farm treatments. 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 stacked until such time as the seed has had an opportunity to dry. Store in well-ventilated areas. If seed is stacked when wet, heat is developed which impairs seed germination.

IMPORTANT: Treated seed must not be used for human consumption or as animal feed.



Manufactured By:

Drexel Chemical Company

P.O. BOX 13327, MEMPHIS, TN 38113-0327

SINCE 1972

MIXING INSTRUCTIONS

Stir the dosage of this product into the required amount of water for the slurry treater equipment to be used.

User must add an EPA-approved dye with this product during the seed treatment process.

SEED TREATMENT DOSAGE RATES

SEED	AMOUNT OF THIS PRODUCT (fl. ozs./100 pounds of seeds)
Alfaifa, Clover, Lespedeza, Trefoil	8.0
Beans (dry, snap)*	2.6
Beets (garden)	12.0
Bluegrass	8.2
Cantaloupe, Cucumber	3.2
Cereal grains – for Seed and Seedling rots, will not control Bunt or Smut	
Barley, Rye	3.0
Oats	4.0
Wheat	2.0
Cauliflowers (Broccoli, Brussels sprouts, Cabbage, Cauliflower)	2.2
Corn:	
Field corn	2.2
Sweet corn	4.0
Cotton:	
Acid delinted cotton	5.0
Fuzzy cotton	7.0
Machine delinted	4.5
Cowpeas	3.0
Flax	4.0
Grasses	8.2
Onions (pelleting)	1.6 pts./lb.
Peanuts	6.0
Peas	2.6
Peppers (California wonder)	3.0
Sorghum (Milo)	6.0
Sorghum (hulled) – for Kernel smut	6.0
Soybeans	2.6
Spinach	6.6
Squash, Pumpkin, Watermelon, Muskmelon	2.0
Sugar beets:	
Eastern U.S.	12.0
Western U.S.	6.0
Swiss chard	12.0
* Do not use on Lima beans	

GLADIOLA BULBS –For the prevention of Bulb rot, use a mixture of 0.6 fl. oz. of this product in 1 gallon of water or 6 fl. ozs. of this product in 10 gallons of water. Soak bulbs in this mixture for 20 to 30 minutes.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Storage should be under lock and key and secure from access by unauthorized persons and children. Storage should be in a cool, dry area away from any heat or ignition source. Avoid storage at high temperatures. Do not stack over 2 pallets high. Move containers by handles or cases. Do not move containers from one area to another unless they are securely sealed. Keep container tightly sealed when not in use. Keep away from any puncture source. Avoid storage near water supplies, food, feed and fertilizer to avoid contamination. Avoid contamination with acids and alkalies. Store in original containers only. If the contents are leaking or material is spilled follow these steps:

1. Contain spill, absorb with a material such as sawdust, clay, granules or dirt.
2. Collect and place in suitable containers for disposal.
3. Wash area with soap and water to remove remaining pesticide.
4. Follow washing with clean water rinse.
5. Do not allow runoff to enter sewer or contaminate water supplies.
6. Place leaking containers in overpack drums.
7. Dispose of wastes as indicated below:

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, of the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL:

Nonrefillable Container (rigid material; less than 5 gallons): Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container one-fourth full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Dispose of empty container in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

Nonrefillable Container (rigid material; 5 gallons up to < 250 gallons): Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container one-fourth full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Dispose of empty container in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

Refillable Container (≥ 250 gallons & Bulk): Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10% full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.

WARRANTY—CONDITIONS OF SALE

OUR DIRECTIONS FOR USE of this product are based upon tests believed reliable. Follow directions carefully. Timing and method of application, weather and crop conditions, mixtures with other chemicals not specifically recommended and other influencing factors in the use of this product are beyond the control of the Seller. To the extent consistent with applicable law, Buyer assumes all risks of use, storage and handling of this material not in strict accordance with directions given herewith. To the extent consistent with applicable law, in no case shall the Manufacturer or the Seller be liable for consequential, special or indirect damages resulting from the use or handling of this product when such use and/or handling is not in strict accordance with directions given herewith. The foregoing is a condition of sale by the Seller and is accepted as such by the Buyer.

The DREXEL logo is a registered trademark of Drexel Chemical Company.