

19713-161

7/24/2012

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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

JUL 24 2012

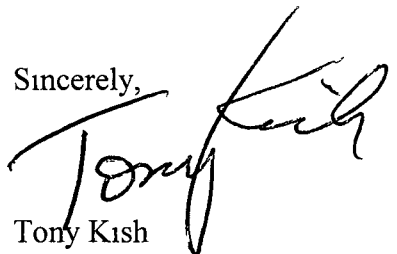
Subject Drexel Captan 4 Flowable Seed Protectant – Formula Change and Label Amendment  
EPA Registration No 19713-161  
Decision No 466430  
Submission Date 5/28/12

Dear Ms Chan

The basic Confidential Statement of Formula (CSF) dated 5/28/2012 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 all CSFs 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 5/28/12, add the “me-too” uses, radish, sunflower, turnip, gladiola bulbs and “reginned” cotton, and make other minor clarifications is acceptable.

A copy of the label stamped “Accepted” 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](mailto:schuler.dominic@epa.gov)

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

**ACCEPTED**  
JUL 24 2012  
Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg No. 19713-161



# Captan 4 Flowable

Seed Protectant

<b>ACTIVE INGREDIENTS</b>	
Captan	37.99%
Related Derivatives	0.58%
<b>OTHER INGREDIENTS</b>	61.43%
<b>TOTAL</b>	100.00%

This product 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 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	
<b>IF IN EYES</b>	
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	•••••
<b>IF SWALLOWED</b>	
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	•••••
<b>IF INHALED</b>	
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 advise	•••••
<b>IF ON SKIN OR CLOTHING</b>	
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 advise	
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	
<b>Note to Physician</b> Probable mucosal damage may contraindicate the use of gastric lavage	

Captan4FLSP 0512 Pending

**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 face shield chemical-resistant gloves 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

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

**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 per 100 pounds of seeds)
Alfalfa Clover Lespedeza Trefoil	8 0
Beans (dry snap)*	2 6
Beets (table)	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
Cole crops (Broccoli Brussels sprout 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
Reginned	7 0
Cowpeas	3 0
Flax	4 0
Grasses	8 2
Onions (pelleting)	1 6
Peanuts	6 0
Peas	2 6
Peppers (California wonder)	3 0
Radish	2 2
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	1 0
Western U S	6 0
Sunflowers	4 0
Swiss chard	12 0
Turnips	3 0
*Do not use on lima beans	

**Gladiola Bulbs** For prevention of bulb rot use 1 quart in 107 gallons of water Soak bulbs in the mixture for 20 to 30 minutes

Additional specific information on seed treatment may be obtained from the State Agricultural Extension Service

### STORAGE AND DISPOSAL

Do not contaminate water food or feed by storage or 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 directed and other influencing factors in the use of this product are beyond the control of the seller To the extent consistent with applicable laws Buyer assumes all risks of use storage and handling of this material in strict accordance with directions given herewith

To the extent consistent with applicable laws 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

**Manufactured By**



**Drexel Chemical Company**  
P.O. BOX 13327 MEMPHIS TN 38113-0327  
SINCE 1972

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