

	United States <b>Environmental Protection Agency</b> Washington, DC 20460	<input type="checkbox"/> Registration <input type="checkbox"/> Amendment <input checked="" type="checkbox"/> Other	OPP Identifier Number  <div style="font-size: 24pt; text-align: center;">270092</div>
	<b>Application for Pesticide - Section I</b>		

1. Company/Product Number <div style="font-size: 24pt; text-align: center;">7501-178</div>	2. EPA Product Manager <div style="font-size: 24pt; text-align: center;">M. Waller</div>	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) <i>EVOLVE™</i> <i>Potato Seed-Piece Treatment Fungicide</i>	PM# <div style="font-size: 24pt; text-align: center;">21</div>	
5. Name and Address of Applicant (Include ZIP Code) <i>Crustafson LLC</i> <i>1400 Preston Road, Suite 400</i> <i>Plano, TX 75093</i>  <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: <div style="text-align: center; font-weight: bold; font-size: 18pt;">NOTIFICATION</div> EPA Reg. No. _____  Product Name <span style="float: right;">APR 5 2000</span>	

**Section - II**

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Change Primary Brand Name from *TOPS-MZ-CZ Potato Seed-Piece Treatment* to *EVOLVE Fungicide* to *EVOLVE Potato Seed-Piece Treatment Fungicide*. Five copies of the final printed label are enclosed. The container label will use only the 0.75 pounds rate.

**Section - III**

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes* <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No			<input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____
<i>Certification must submitted</i>		If "Yes" Unit Packaging wgt.    No. per container	If "Yes" Package wgt    No. per container		
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container		5. Location of Label Directions <input type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product	
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled				<input type="checkbox"/> Other _____	

**Section - IV**

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name <i>Dennis McFadden</i>	Title <i>Mgr. Tox &amp; Reg Affairs</i>	Telephone No. (Include Area Code) <i>972-985-8877</i>
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application Received (Stamped)  ..... ..... ..... ..... .....
2. Signature <i>Dennis McFadden</i>	3. Title <i>Mgr. Tox &amp; Reg Affairs</i>	
4. Typed Name <i>Dennis McFadden</i>	5. Date <i>2/2/00</i>	

**NOTIFICATION**  
APR 5 2000

# EVOLVE™

## Potato Seed-Piece Treatment Fungicide

**ACTIVE INGREDIENTS:**

Thiophanate-methyl (dimethyl[(1,2-phenylene) bis (iminocarbonothioyl)]bis[carbamate])* .....	2.50%
A coordination product of zinc ion and manganese ethylene bisdithiocarbamate.....	6.00%
In which the ingredients are:	
Manganese++ .....	1.2%
Zinc++ .....	0.15%
Ethylene bisdithiocarbamate ion (C <sub>4</sub> H <sub>6</sub> N <sub>2</sub> S <sub>2</sub> ) .....	4.65%
Cymoxanil.....	1.00%
<b>INERT INGREDIENTS:</b> .....	90.50%
<b>TOTAL</b> .....	100.00%

\*Also known as dimethyl 4,4'-O-phenylenebis[3-thioallophanate].

EPA Reg. No. 7501-178

EPA EST. No.

### KEEP OUT OF REACH OF CHILDREN

# CAUTION

#### PRECAUTIONARY STATEMENTS HAZARD TO HUMANS AND DOMESTIC ANIMALS

Causes moderate eye irritation. Harmful if swallowed, inhaled or absorbed through the skin. Do not breathe dust. Avoid contact with skin, eyes or clothing.

#### STATEMENT OF PRACTICAL TREATMENT

**If Swallowed:** Call a physician or Poison Control Center immediately. Drink one or two glasses of water and induce vomiting by touching the back of the throat with finger. Repeat until vomit fluid is clear. Do not induce vomiting or give anything by mouth to an unconscious person.

**If Inhaled:** Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. Get medical attention.

**If on Skin:** Wash affected area with soap and water. Get medical attention.

**If in Eyes:** Hold eye open and rinse slowly and gently with water for 15 - 20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing. Call poison control center or doctor for treatment advice.

#### PERSONAL PROTECTIVE EQUIPMENT(PPE):

Handlers must wear: Long sleeved shirt and long pants, waterproof gloves, and shoes plus socks.

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.

*Continued Next Column*

#### USER SAFETY RECOMMENDATIONS:

Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing 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 and aquatic invertebrates. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters. Dispose of all excess treated seed-pieces and seed packaging by burial away from bodies of water.

#### STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal. **STORAGE:** Keep container closed when not in use. Store in cool, dry location. Do not store in direct, hot sunlight.

**PROHIBITIONS:** Do not reuse empty bag. Open dumping is prohibited.

**PESTICIDE DISPOSAL:** Pesticide wastes are toxic. 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 Hazardous Waste representative at the nearest EPA Regional Office for guidance.

**CONTAINER DISPOSAL:** Completely empty bag into application equipment by tapping sides to dislodge residues. Then 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.



**DIRECTIONS FOR USE**

It is a violation of the Federal law to use this product in a manner inconsistent with its labeling. This labeling must be in the possession of the user at the time of application. Do not use this product at higher than recommended rate.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

**ENDANGERED SPECIES NOTICE:** Consult your local county bulletin, County Extension Agent, or Pesticide State Lead Agency for information concerning endangered species in your area.

**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 (PPE), and restricted-entry interval. 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 24 hours. Exception: if the product is soil-injected or soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated. 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: coveralls over long-sleeved shirt and long pants, waterproof gloves and shoes and socks.

**RESISTANCE MANAGEMENT**

**NOTE:** Systemic fungicides having a specific mode of action have been subject to development of resistant strains of fungi. Development of resistant strains cannot be predicted. Therefore, Gustafson LLC cannot assume liability for crop damage resulting from resistant strains of fungi. Consult with your local extension potato specialist for guidance and ways to control any possible resistant strains of fungi which may occur. This pesticide will not control bacterial diseases or other diseases not claimed on the label. Consult your local extension potato specialist for variety and treatment information, and for recommendations specific to your area on how to minimize the potential expression of seed-piece decay and potato diseases.

**PESTS CONTROLLED**

Potato Seed-Piece - Will prevent the spread of *Phytophthora infestans* (late blight) that may occur from seedborne infection or surface infestation resulting from seed-piece to seed-piece contact during the handling, cutting and planting process. EVOLVE will also help to reduce the transmission of the late blight fungus from the tuber to the above-ground plant. EVOLVE is not effective in protecting potato plants against airborne inoculum in potato fields. EVOLVE should not be used as a rescue treatment on seed lots with visual or known infections of *P. infestans*. EVOLVE also aids in the suppression of potato seed-piece diseases caused by *Fusarium* (dry rot), *Rhizoctonia* (black scurf and stem canker), and *Helminthosporium solani* (silver scurf).

**RECOMMENDED APPLICATION**

Apply at 0.75 to 1.0 pounds per 100 pounds of cut seed-pieces. Apply using a seed dust metering applicator so that cut seed-pieces are thoroughly covered with the mixture. Thoroughly clean and sanitize cutting machines, knives, trays, tables, barrels, equipment, trucks and planters before cutting and planting seed-pieces. Plant seed-pieces as soon as possible after cutting and treating in accordance with the recommendations of your local extension potato specialist.

**RESTRICTIONS:**

Do not use treated seed-pieces for food, feed, or fodder. Do not apply this product through any type of irrigation system. Apply only in areas with adequate ventilation or dust collection and control equipment installed. Do not substitute fans for ventilation in areas where application is made to cut potatoes.

**NOTE:** Federal regulations have established official tolerances for certain pesticide residues. In order that residues on food and forage crops will not exceed established tolerances, use only at recommended rates.

**NOTE:** This pesticide is to be sold ONLY in this original, unbroken package.

**NOTICE - READ CAREFULLY  
CONDITIONS OF SALE AND LIMITED WARRANTY  
STATEMENT**

Treatment of highly mechanically damaged seed-pieces, or seed-pieces of known low vigor and poor quality, may result in reduced germination and/or reduction of seed and seedling vigor.

As its sole express warranty, Gustafson LLC warrants that this product conforms to the chemical description on the label and is reasonably fit for purposes stated on the label only when used in accordance with directions and instructions specified on the label, subject to the inherent risks set forth above. ONLY AS PERMITTED BY APPLICABLE LAW, IN THE EVENT OF A BREACH OF THIS LIMITED WARRANTY, GUSTAFSON LLC SHALL NOT BE LIABLE FOR CONSEQUENTIAL DAMAGES. SUBJECT TO APPLICABLE LAW, GUSTAFSON LLC NEITHER MAKES NOR AUTHORIZES ANY OF ITS AGENTS OR REPRESENTATIVES TO MAKE ANY WARRANTY OF FITNESS OR MERCHANTABILITY, GUARANTY OR REPRESENTATION, EXPRESS OR IMPLIED, CONCERNING THIS MATERIAL. Buyer assumes the responsibility to handle, use and store this product in accordance with the safety instructions and use directions contained on the label.

Buyer/User purchases this product subject to the foregoing Conditions of Sale and Limited Warranty, which, subject to applicable law, may be varied only by a written agreement signed by a duly authorized representative of Gustafson LLC. If these terms are not acceptable, return all products to the place of purchase, unopened for a full refund.

IN CASE OF AN EMERGENCY ENDANGERING  
LIFE OR PROPERTY INVOLVING THIS PRODUCT,  
CALL (800) 424-9300

Gustafson (logo) is a Reg. TM of Gustafson LLC  
EVOLVE is a TM of Gustafson LLC  
A quality product manufactured for:  
Gustafson LLC  
1400 Preston Road, Suite 400  
Plano, Texas 75093  
Questions? (972) 985-8877

Net Contents: PATENT PENDING

EVOLVE(S)009020