

PM 21-150-147

1073

Please read instructions on reverse before completing form.

Form Approved. OMB No. 2070-0060. Approval expires 2-28-95



United States
Environmental Protection Agency
Washington, DC 20460

Registration
 Amendment
 Other

OPP Identifier Number
224142

Application for Pesticide - Section I

1. Company/Product Number 7501-147	2. EPA Product Manager C. WELCH	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) EPIC BIOLOGICAL FUNGICIDE	PM# 21	
5. Name and Address of Applicant (Include ZIP Code) GUSTAFSON, INC. PO BOX 660065 DALLAS, TX 75266 0065 <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: EPA Reg. No. _____ Product Name _____	

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.)

AMEND LABEL TO CONTAIN REVISED EFFLUENT DISCHARGE STATEMENT ACCORDING TO PR NOTICE 93-10. THE ORIGINAL REGISTRATION APPROVAL OF MAY 26, 1994, DID NOT REQUIRE A CHANGE TO THE 93-10 WORDING.

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
* Certification must be submitted		If "Yes" Unit Packaging wgt.	No. per container	If "Yes" Package wgt.	No. per container
				<input type="checkbox"/> Glass	<input type="checkbox"/> Paper
				<input type="checkbox"/> Other (Specify) _____	
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 DENNIS L. MCFADDEN	Title MGR., TOX & REG AFFAIRS	Telephone No. (Include Area Code) 214 985 8877
2. Signature <i>Dennis L. McFadden</i>		3. Title MGR., TOX & REG AFFAIRS
4. Typed Name DENNIS L. MCFADDEN	5. Date 9/27/95	
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)

New wording & circled

2.7.5

EPIC®

Biological Fungicide

FOR FORMULATING INTO REGISTERED END-USE PRODUCTS
AND FOR USE AS A SEED TREATMENT

ACTIVE INGREDIENT:

Bacillus subtilis, MBI 600 (not less than 5.5 X 10¹⁰ viable spores per gram) 2.75%
INERT INGREDIENTS: 97.25%

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Not for use on agricultural establishments in hopper-box, planter-box, slurry-box, or other treatment applications at or immediately before planting.

EPA Reg. No. 7501-147

KEEP OUT OF REACH OF CHILDREN CAUTION

Precautionary Statements

Hazards to Humans and Domestic Animals

Causes skin irritation. Avoid contact with eyes, skin or clothing. In case of contact, flush affected area with plenty of water. Repeated or prolonged excessive exposure may lead to sensitization of skin and lungs in susceptible individuals. When applying or handling concentrate or in the absence of adequate ventilation, wear a paper dust mask which covers at least one-third of the face. Wash face, hands and arms thoroughly with soap and water after handling and before eating or smoking.

Statement of Practical Treatment

If on skin, wash with soap and water. Get medical attention if irritation persists.
If in eyes, flush with water. Get medical attention if irritation persists.

Environmental Hazards

For Reformulating Use: Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

For Seed Treatment Use: 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 washwater or rinsate. Cover or incorporate spilled seed or seed on soil surface.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal. Do not contaminate water by cleaning of equipment or disposal of wastes.

STORAGE: Store in a dry place.

PRODUCT DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL: Completely empty package by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into mixing equipment. Then dispose of package in a sanitary landfill or by incineration if allowed by State and local authorities. Dispose of box in the same manner. Do not reuse package or box.

EPIC contains bacteria which colonize the developing root system, suppressing disease organisms such as *Fusarium*, *Rhizoctonia*, *Alternaria* and *Aspergillus* that attack root systems. When used with a chemical seed treatment, the combination of chemicals and EPIC provides protection to the root for a much longer time than with chemicals alone. As the root system develops, the bacteria grow with the roots extending the protection throughout the growing season. As a result of this biological protection, a vigorous root system is established by the plant, which often results in more uniform stands and greater yields. In addition, EPIC has been shown to increase the amount of nodulation by nitrogen-fixing bacteria when used on many legumes. This improvement in nodulation is a result of a healthier root system allowing more sites for nodules to form from naturally-occurring soilborne nitrogen-fixing bacteria.

FOR REFORMULATION INTO REGISTERED END-USE PRODUCTS

USE PATTERN: This product is for use by formulators in the manufacture of agricultural fungicide products, offered for sale to the public, and which are duly registered with the Environmental Protection Agency, Washington, D.C.

FORMULATION ASSISTANCE: Additional information regarding specific problems in formulations involving this product may be obtained by writing: Gustafson, Inc., P.O. Box 960065, Dallas, Texas 75266-0065.



FOR USE AS A SEED TREATMENT

EPIC may be applied as a water-based slurry with other registered seed treatment insecticides and fungicides through standard slurry or mist commercial seed treatment equipment. To mix, first add the chemical insecticides and/or fungicides to the slurry mix with approximately 1/2 of the required water. Slowly add the EPIC to the slurry until a uniform suspension is obtained. Add the remainder of the required water and maintain continuous agitation. Do not store mixed slurries for longer than 72 hours.

APPLICATION RATES:

May be used in combination with other registered Gustafson Flowable seed treatment fungicides and insecticides. Pre-test for compatibility with other seed treatment products.

COTTON: For suppression of *Rhizoctonia* and *Fusarium* seedling diseases and *Fusarium wilt*, apply 0.25 - 1.0 ounces per 100 lbs. of seed.

SEED AND POD VEGETABLES (such as) green beans, snap beans, lima beans, kidney beans, navy beans, pinto beans, wax beans, pole beans, garden peas, peas and field beans: For suppression of root diseases caused by *Rhizoctonia* and *Fusarium*, apply 0.25 - 1.0 ounces per 100 lbs. of seed. For improvement of nodulation by *Rhizobium* in fields where appropriate strains are detectable, apply at 0.25-0.5 ounces per 100 lbs. of seed.

PEANUTS: For suppression of root diseases caused by *Rhizoctonia*, *Fusarium* and *Aspergillus* and for improvement of nodulation by *Rhizobium*, apply at 0.25-0.5 ounces per 100 lbs. of seed as a dry blend with other registered seed treatment fungicides.

SOYBEANS: For suppression of root diseases caused by *Rhizoctonia* and *Fusarium* and for improvement of nodulation by *Bradyrhizobium*, apply at 0.25-0.5 ounces per 100 lbs. of seed.

WHEAT AND BARLEY: For suppression of root diseases caused by *Rhizoctonia* and *Fusarium*, apply 0.05 - 0.25 ounces per 100 lbs. of seed.

CORN (Field and Sweet): For suppression of root diseases caused by *Fusarium* and *Pythium*, apply 0.25 - 1.0 ounces per 100 lbs.

NOTICE - READ CAREFULLY

LIMITED WARRANTY STATEMENT

Treatment of highly mechanically damaged seed, or seed of known low vigor and poor quality, may result in reduced germination and/or reduction of seed and seedling vigor. Treat and conduct germination tests on a small portion of seed before committing the total seed lot to a selected chemical treatment. Due to seed quality conditions beyond the control of Gustafson, Inc., no claims are made to guarantee germination of carry-over seed.

As its sole express warranty, Gustafson, Inc., 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, INC. SHALL NOT BE LIABLE FOR CONSEQUENTIAL DAMAGES. SUBJECT TO APPLICABLE LAW, GUSTAFSON, INC. 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, Inc. If these

terms are not acceptable, return all products to place of purchase, unopened for a full refund.

Another quality product from:

Gustafson, Inc.

1400 Preston Road, Suite 400

Plano, TX 75093

(214) 985-8877

EPIC (S)-591190