



U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs
Antimicrobials Division (7510P)
1200 Pennsylvania Ave., N.W.
Washington, D.C. 20460

EPA Reg.
Number:

93342-1

Date of Issuance:

5/2/22

NOTICE OF PESTICIDE:

Registration
 Reregistration
(under FIFRA, as amended)

Term of Issuance:

Conditional

Name of Pesticide Product:

BIOTREND® ZP+

Name and Address of Registrant:

Maryanne Kellogg
Regulatory Consultant,
Pyxis Regulatory Consulting, Inc – agent for
Global Biocides Solutions, LLC
Maryanne@PyxisRC.com

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Antimicrobials 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 under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA).

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.

This product is conditionally registered in accordance with FIFRA section 3(c)(7)(B). You must comply with the following conditions:

1. Submit and/or cite all data required for registration/reregistration/registration review of your product under FIFRA when the Agency requires all registrants of similar products to submit such data.

Signature of Approving Official:

Steven Snyderman, Product Manager 33
Regulatory Management Branch II, Antimicrobials Division (7510M)

Date:

5/2/22

2. You are required to comply with the data requirements described in the Generic Data Call-In (GDCI) identified below:
 - a. Zinc Pyrithione GDCI-088002-1483

You must comply with all of the data requirements within the established deadlines. If you have questions about the Generic DCI listed above, you may contact the Reevaluation Team Leader (Team 36): <http://www2.epa.gov/pesticide-contacts/contacts-office-pesticide-programs-antimicrobial-division>

3. Make the following label changes before you release the product for shipment:
 - Revise the EPA Registration Number to read, “EPA Reg. No. 93342-1.”
4. Submit one copy of the final printed label for the record before you release the product for shipment.

Should you wish to add/retain a reference to the company’s website on your label, then please be aware that the website becomes labeling under FIFRA and is subject to review by the Agency. See FIFRA section 2(p)(2). If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) lists examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product’s label, claims made on the website may not substantially differ from those claims approved through the registration process, FIFRA section 12(a)(1)(B). Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA’s Office of Enforcement and Assurance.

If you fail to satisfy these data requirements, EPA will consider appropriate regulatory action including, among other things, cancellation under FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records. Please also note that the record for this product currently contains the following CSFs:

- Basic CSF dated 03/29/2022

If you have any questions, please contact Luisa C. Samalot-Freire by phone at (202)-566-0609, or via email at samalot.luisa@epa.gov.

Enclosure: Stamped Final Label

[Note to reviewer: [Text] in brackets denotes optional text].

BIOTREND® ZP+

Active Ingredient:

Zinc, 2-pyridinethiol-1-oxide37.6%

Other Ingredients:.....62.4%

TOTAL:.....100.0%

**KEEP OUT OF REACH OF CHILDREN
WARNING**

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.)

FIRST AID	
IF IN EYES	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15-20 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	<ul style="list-style-type: none"> • 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 person.
IF ON SKIN OR CLOTHING	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
IF INHALED	<ul style="list-style-type: none"> • 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.
GENERAL INFORMATION	
<p>Have the product container or label with you when calling a poison control center or doctor or going for treatment. For non-emergency and general information on product use, etc., information pertaining to this product, call the National Pesticides Information Center (NPIC) at 1-800-858-7378, Monday – Friday 8:00 am – 12:00 pm Pacific Time; email: npic@ace.orst.edu; or web site: www.npic.orst.edu. For emergencies, call the poison control center 1-800-222-1222.</p>	
HOT LINE NUMBER	
<p>For chemical emergency assistance (spill, leak, fire, or accident), call INFOTRAC: (800)-535-5053 or internationally at +1-352-323-3500.</p>	

See [side] [back] [right] [left] panel for [First Aid] [and] [additional] [Precautionary Statements]

Net Contents:

MANUFACTURED [FOR]/[BY]:

Global Biocides Solutions, LLC

38 Stratford Village Way

Bluffton, SC 29909

BIOTREND® is a registered trademark of Global Biocides Solutions, LLC

EPA Reg. No. 93342-xx

EPA Est. No.

Made in the USA

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
WARNING**

Causes substantial but temporary eye damage. May be fatal if swallowed. Harmful if inhaled or absorbed through skin. Do not get in eyes or on clothing. Avoid contact with skin. Wear goggles, safety glasses, or face shield. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse.

ENVIRONMENTAL HAZARDS: This pesticide is toxic to fish. Do not discharge effluent containing this product into lakes, ponds, streams, 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.

PHYSICAL OR CHEMICAL HAZARDS: Do not store or mix with strong oxidizing agents or strong (concentrated) acids. In case of contamination do not reseal container. If possible, isolate container in open or well-ventilated area. Fumes caused by contamination may be hazardous.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Do not freeze. Store above 50°F (10°C). Keep container tightly closed when not in use.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticides, 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: Non-refillable container. Do not reuse or refill this container. Offer for recycling if available. Triple rinse container promptly after emptying. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

[For containers > 5 gallons or 50 pounds] Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 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 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.

[For containers < 5 gallons or 50 pounds] Triple rinse as follows: Empty remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ 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.

[For Totes] Nonrefillable container. Do not reuse or refill this container. Clean container promptly after emptying. Triple rinse as follows: Fill container ¼ full with water and reclose the container. Agitate vigorously, and dispose of rinsate consistent with pesticide disposal instructions. Repeat two more times. Then offer for recycling if available or puncture and dispose in sanitary landfill or by other procedures approved by state and local authorities. Follow pesticide disposal instructions for rinsate. If not triple rinsed, these containers are acute hazardous wastes and must be disposed in accordance with local, state, and federal regulations.

DIRECTIONS FOR USE: It is a violation of federal law to use this product in a manner inconsistent with its labeling.

A minimum cost effective use level recommendation can only be established through testing of a specific formulation intended for use in a specific application. Formulations differ in their composition and as a result, of their susceptibility to microbial attack. Conditions of use and the performance expectations differ from product to product. For example, a warranted high performance preserved product that is under consideration for use in severe tropical environments is likely to need a high dose of biocide. Testing at biocide use levels would be recommended at 3,000, 4,000 and 5,000 ppm. As the product adds cost to the formulation and as performance requirements need to be met, laboratory and field tests are conducted to establish the antimicrobial performance of this product. An unwarranted preserved product that is not intended for use in severe environments would likely need a lower dose. Again, a recommendation would be made for testing at lower concentrations based on formulation, performance and cost considerations. We recommend that users contact Global Biocides Solutions for formulation assistance.

DRY FILM PRESERVATION: THIS PRODUCT PROTECTS THE APPLIED DRY FILM ITSELF AND DOES NOT PROTECT THE UNDERLYING SURFACE FROM ATTACK BY ALGAE, FUNGI, MILDEW OR BACTERIA.

For the Dry Film Preservation of Flooring and Other Non-Food Contact Adhesives, Caulks, Sealants, Grouts and Patching Compounds:

Adhesives: For the control of fungi causing stains, odor or film degradation, add 1,900 ppm of this product; for control of bacteria causing stains, odor and/ or degradation of the physical properties of the film, add 6,100 ppm. (Add 1.9 lbs. of this product to 1,000 lbs. of adhesive to control fungi and add 6.1 lbs. per 1,000 lbs. of adhesive to control bacteria).

Caulks/Sealants: For the control of fungi causing stains, odor or film degradation, add 5,300 ppm of this product; for control of bacteria causing stains, odor and/or degradation of the physical properties of the film, add 12,760 ppm of this product. (Add 5.3 lbs. of this product per 1000 lbs. of caulk/sealant to control these fungi; add 12.76 lbs. of this product per 1,000 lbs. of caulk/sealant to control these bacteria).

Grouts/Patching Compounds: For the control of fungi causing stains, odor or film degradation, add 2,550 ppm of this product; for control of bacteria causing stains, odor and/or degradation of the physical properties of the film, add 10,100 ppm of this product. (Add 2.55 lbs. of this product to 1,000 lbs. of grouts/patching compounds to control fungi and 10.1 lbs. of this product to 1,000 lbs. of grouts/patching compounds to control bacteria).

For the Dry Film Preservation of Aqueous Latex and Other Types of Architectural and Industrial Non-Marine Paints and Coatings Including Powder Coatings: Addition of up to 12,760 ppm of this product can inhibit the growth of algae and bacteria causing stains, odor or degradation of the physical properties of the film, and fungi causing stains, odor or film degradation. It can be added at any time during the formulation procedure. For example, the dry film of a house paint having a density of 10 lbs. per gallon can be protected against the growth of these bacteria, fungi, and algae by the addition of 12,760 ppm of this product. (Add 12.76 lbs. of this product to 100 gallons of wet paint).

[*]For the Dry Film Preservation of Residential Latex Paints Against Fungus and Algae: Use a minimum of 6,400 ppm of this product. For maximum protection against the growth of algae and/or fungi causing stains, odor or film degradation, use 12,760 ppm of this product. For control of bacteria, causing stains, odor or degradation of the physical properties of the dry paint film surface, use 6,400 ppm of this product. (Add a minimum of 6.4 lbs. of this product to 100 gallons of wet paint, with a density of 10 lbs. per gallon, to control these fungi, bacteria, or algae. Add a maximum of 12.76 lbs. of this product to 100 gallons.) [***NOT APPROVED FOR THIS USE IN THE STATE OF CALIFORNIA**]

[*]For the Dry Film Preservation of Joint Compounds, Glazing Compounds and Wood Fillers: Addition of up to 12,760 ppm (12.76 lbs. of this product per 1,000 lbs. of formulation) of this product will inhibit the growth of fungi causing stains, odor or film degradation, and bacteria causing stains, odor or degradation of the physical properties of the dry film. This product can be added at any time during the formulation procedure. [***NOT APPROVED FOR THIS USE IN THE STATE OF CALIFORNIA**]

[*]For the Control of Mildew and Bacteria In Styrene Butadiene and Natural Rubber and Thermoplastic Resins, and Textiles Used in the Manufacture of the Following Non-Food/ Non-Medical Products: Rubber bands, Carpet Fibers; Carpet Backings; Rubber or Rubber Backed Bath Mats; Foam Underlay For Carpets; Synthetic, Non-Leather Materials; Foam Stuffing for Cushions and Mattresses; Wire and Cable Insulation; Vinyl, Linoleum and Synthetic Floor Coverings; Wall Coverings; Plastic Furniture; Athletic Flooring and Mats; Mattress Liners, Covers or Ticking; Molding; Mats; Gaskets; Weather Stripping; Coated Fabrics for Furniture Cushions, Boat Covers, Sails, Tents; Tarpaulins; Awnings; Non-Surgical Rubber Gloves; Garbage Bags, Refuse Containers; Bathtub Appliques; Garden Hose; Non-Potable Water Pipe; Ductwork, air filtration components and air filtration media for industrial, hospital, residential, and commercial heating and cooling; Conveyor belts; Shower Curtains; Sponge or Fiber Mops; Toilet Brush Receptacles (Non Bristle Contact); Non-Medical Scrub Brushes; Sink Mats and Drain Boards; Storage Containers; Soap Dish Holders; Towel Bars and Components of Footwear and Toilet Seats. Addition of up to 10,100 ppm (10.1 lbs./1,000 lbs. of formulation) of this product can inhibit the growth of mildew & bacteria in styrene butadiene rubber & thermoplastic resins such as vinyl chloride-vinyl acetate copolymers, polyurethanes, polyamides, polyolefins, polystyrene, polyesters and acrylonitrile copolymers. It can be added at a time during the formulation procedure that will insure uniform distribution throughout the polymer system. Add by pouring or by use of metering equipment. For example, to inhibit mildew growth in polyurethane footwear components, add 5,100 ppm (5.1 lbs./1,000 lbs. of formulation) of this product to the polyurethane formulation. [***NOT APPROVED FOR THIS USE IN THE STATE OF CALIFORNIA**]

[*]For the In Can Preservation of Latex Emulsions, Clay, Mineral, Pigment and Guar Gum Slurries Used In the Manufacture of Adhesives, Caulks, Patching Compounds, Sealants and Grouts: A dosage of up to 12,760 ppm is recommended to control fungi causing stains,

odor and product degradation and bacteria causing stains, odor or degradation of physical properties. This dosage is equivalent to 12.76 lbs. of this product per 1,000 lbs. of slurry. It may be added at any time during the formulation procedure.

[*NOT APPROVED FOR THIS USE IN THE STATE OF CALIFORNIA]

[*]For the Preservation of Dry Wall, Gypsum, Pearlite, Plaster-Like, Mineral Based, or Cellulose Derived Building Materials Used in the Manufacture of Ceilings, Ceiling Tile, Walls and Partitions: Addition of up to 10,100 ppm of this product (10.1 lbs. of product per 1,000 lbs. of the formulation, i.e., wet slurry) will inhibit the growth of fungi causing stains, odor, and product degradation and bacteria causing stains, odor or degradation of physical properties. It can be added at any time during the formulation procedure. Alternatively, the product may be added to latex or other types of coating systems routinely applied to the surfaces or walls, ceiling tiles, partitions, etc. at the same dosage as above.

[*NOT APPROVED FOR THIS USE IN THE STATE OF CALIFORNIA]

[*]To Inhibit Bacterial and Fungal Growth On Laundered Fabrics: To inhibit the growth of fungi causing stains, odor, or product degradation and bacteria causing stains, odor or degradation of physical properties of natural and synthetic fabrics, including polyamide, nylon, polypropylene, polyethylene, polyesters, cellulose and blends of these polymers, add 8- 23 ounces of this product per 1,000 lbs. dry weight of fabric, at a sour density of 8.3 pounds per gallon, to reach a use level of 48 to 142 ppm. Apply to the sour operation and run for a minimum of five minutes. Product is intended for use in industrial settings. Product is not intended for use in residential, commercial or institutional settings.

[*NOT APPROVED FOR THIS USE IN THE STATE OF CALIFORNIA]

[*]To Control the Growth of Bacteria and Fungi in Adhesives Used for Food Packaging: For food packaging adhesives, at use temperatures up to 120°F, and subject to Good Manufacturing Practices, including conditions specified in 21 CFR 175.105 (a) and (b) add a dosage of 2,000 ppm to a maximum of 2,600 ppm of this product (2.0 to 2.6 lbs. of this product per 1,000 lbs. of food packaging adhesive) at a point where thorough mixing will take place.

[*NOT APPROVED FOR THIS USE IN THE STATE OF CALIFORNIA]

[*]To Control the Growth of Bacteria and Fungi in Latex Emulsions or Aqueous Inorganic Slurries Used in the Manufacture of Food-Contact Coated Paper: To control the growth of bacteria and fungi in aqueous paper coatings and paper coatings components including latex, starch solutions, and mineral or pigment slurries (clay, kaolin, calcium carbonate, or titanium dioxide) at a dosage not to exceed 1,300 ppm of this product in the paper coatings components and not to exceed 250 ppm of this product in the paper coating formulation. Add this product at any point in the paper coating process.

[*NOT APPROVED FOR THIS USE IN THE STATE OF CALIFORNIA]

LIMITED WARRANTY AND DISCLAIMER

The directions for use of this product are based upon tests believed to be reliable. The use of this product being beyond control of the manufacturer, no guarantee, expressed or implied, is made as to the effects of such use or the results to be obtained if not used in accordance with printed directions and established safe practice. To the extent consistent with applicable law, buyer's exclusive remedy and manufacturer's or seller's exclusive liability for any and all claims, losses, damages or injuries resulting from the use or handling of this product, whether or not based in contract, negligence, strict liability in tort or otherwise shall be limited, at the

manufacturer's option to replacement of, or the repayment of the purchase price for, the quantity of product with respect to which damages are claimed.

[EPA approval date]