



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

May 17, 2017

William R. Goodwine  
Director  
Regulatory Affairs  
Janssen PMP  
1125 Trenton-Harbourton Road  
Titusville, NJ 08560

Subject: Notification per PRN 98-10 – Adding California Use Restrictions  
Product Name: Zinc Pyrion 48% MPF  
EPA Registration Number: 43813-50  
Application Date: 05/08/2017  
Decision Number: 529431

Dear Mr. Goodwine:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 for the above referenced product. The Antimicrobials Division (AD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action requested falls within the scope of PRN 98-10.

The label submitted with the application has been stamped “Notification” and will be placed in our records.

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 the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. 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) list 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. 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 Compliance.

If you have any questions, you may contact Aline Heffernan at 703-347-8602 or via email at [heffernan.aline@epa.gov](mailto:heffernan.aline@epa.gov).

Sincerely,

A handwritten signature in black ink, appearing to read "John Hebert", with a stylized flourish at the end.

John Hebert, Chief  
Regulatory Management Branch I  
Antimicrobials Division (7510P)  
Office of Pesticide Programs

# ZINC PYRION® 48% MPF

Active Ingredient:  
Zinc pyrithione,  
Zinc, 2-pyridinethiol-1-oxide 48%  
Inert Ingredients: 52%  
Total: 100%

**KEEP OUT OF REACH OF CHILDREN**

**DANGER**

## NOTIFICATION

43813-50

The applicant has certified that no changes, other than those reported to the Agency have been made to the labeling. The Agency acknowledges this notification by letter dated:

05/17/2017

<b>FIRST AID</b>	
<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 person.
<b>If in eyes</b>	-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.
<b>If on skin or clothing</b>	-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.
<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 advice.
<b>HOT LINE NUMBER:</b> For information on this pesticide product (including health concerns, medical emergencies, or pesticide incidents) call the National Pesticide Telecommunications Information Center at 1-800-858-7378. For chemical emergency assistance (spill, leak, fire, or accident), call Chem Trec at 1-800-424-9300.  Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	
<b>NOTE TO PHYSICIAN</b> Probable mucosal damage may contraindicate the use of gastric lavage.	

Net Contents: 44 lbs (20 kg)

EPA Reg. No.: 43813-50

EPA Est. No.: 085158-BEL-002

Manufactured for: JANSSEN PMP  
a Division of Janssen Pharmaceutica NV  
1125 Trenton-Harbourton Road  
Titusville, NJ 08560

## **PRECAUTIONARY STATEMENTS:**

### **HAZARDS TO HUMANS AND DOMESTIC ANIMALS.**

#### **DANGER**

Corrosive. Causes irreversible eye damage. Harmful if swallowed or absorbed through skin. Do not get in eyes, on skin, or on clothing. Do not breathe spray mists. Users must wear protective eyewear (goggles, safety glasses, or face shield), long sleeved shirt and long pants, socks, chemical resistant gloves and chemical resistant footwear. Users must wear a fit tested, NIOSH approved full-face respirator equipped with a combination organic vapor/P-100 prefilter. When mixing and loading, or cleaning equipment, wear a chemical resistant apron. Wash thoroughly after handling with soap and water, and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove contaminated clothing and wash clothing before reuse.

#### **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.

#### **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.

#### **STORAGE AND DISPOSAL**

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

#### **PESTICIDE STORAGE**

Do not freeze. Store above 50 degrees F. Keep container tightly closed when not in use. Do not store with strong oxidizing agents or strong (concentrated) acids. Clean up spills immediately. Contain and absorb spills with inert material such as sand, calcium carbonate, clay or sawdust. Collect absorbed material by sweeping or shoveling into an appropriate waste disposal container. Wash spill area with water and absorb wash water in the same manner. Do not contaminate waterways. Dispose of waste in a manner approved by Local authorities. Avoid contamination of equipment and facilities during cleanup procedures and disposal of wastes.

#### **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. Do not reuse empty container.

#### **CONTAINER DISPOSAL**

Non-refillable container. Do not reuse or refill this container. Triple rinse container promptly after emptying. Triple rinse as follows:

[For containers  $\leq$  5 gallons in size] – 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  $\frac{1}{4}$  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 containers  $>$  5 gallons in size] - Empty the remaining contents into application equipment or a mix tank. Fill the container  $\frac{1}{4}$  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 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.

Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

#### **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 3000, 4000 and 5000 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 Janssen PMP for formulation assistance.

**TEXTILES:** For the control of odor causing microorganisms on textiles made of natural and synthetic fibers, such as polyester and blends, add Zinc PYRION 48% MPF at use rates such that the finished textile contains 0.14% - 0.71% by weight of this product.

The following are examples of textile products (substrates) suitable for finishing with Zinc PYRION 48% MPF:

- Wearing apparel – work-wear, uniforms, sportswear, slacks, shirts, underwear, sweatshirts, sweatpants, socks, oven mitts, slippers, bathrobes, gloves, hats, scarves, jackets, and incontinence care products such as, incontinence pad cover stock, washable incontinence briefs and panties.
- Household products – upholstery, curtains, wall coverings, mops, dishcloths, yarns, cords, towels, blankets, sheets, pillowcases, and non-food contact synthetic wipes, tissues and sponges.
- Seats and seat coverings (for transportation vehicles – auto, boat, train, plane).

**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**

**Flooring Adhesives:** For the control of fungi causing stains, odor or film degradation, add 1500 ppm of this product; for control of bacteria causing stains, odor and/or degradation of the physical properties of the film, add 4800 ppm. (Add 1.5 lbs. of this product to 1000 lbs. of adhesive to control these fungi and add 4.8 lbs. per 1000 lbs. of adhesive to control these bacteria).

**Caulks/Sealants:** For the control of fungi causing stains, odor or film degradation, add 4100 ppm of this product; for control of bacteria causing stains, odor and/or degradation of the physical properties of the film, add 10,000 ppm of this product. (Add 4.1 lbs. of this product per 1000 lbs. of caulk/sealant to control these fungi; add 10 lbs. of this product per 1000 lbs. of caulk/sealant to control these bacteria).

**Grouts/Patching Compounds:** For the control of fungi causing stains, odor or film degradation, add 2000 ppm of this product; for control of bacteria causing stains, odor and/or degradation of the physical properties of the film, add 8000 ppm of this product. (Add 2 lb. of this product to 1000 lbs. of grouts/patching compounds to control these fungi and 8 lbs. of this product to 1000 lbs. of grouts/patching compounds to control these 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 10000 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 10000 ppm of this product. (Add 10 lbs. of this product to 100 gallons of wet paint).

**\*NOT APPROVED FOR USE IN CALIFORNIA**

**\*For the Dry Film Preservation of Residential Latex Paints:**

Use a minimum of 5000 ppm of this product. For maximum protection against the growth of algae and/or fungi causing stains, odor or film degradation, use 10000 ppm of this product. For control of bacteria, causing stains, odor or degradation of the physical properties of the dry paint film surface, use 5000 ppm of this product. (Add a minimum of 5 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 10.0 lbs. of this product to 100 gallons.)

**\*NOT APPROVED FOR USE IN CALIFORNIA**

**\*For the Dry Film Preservation of Joint Compounds, Glazing Compounds and Wood Fillers:** Addition of up to 10000 ppm (10.0 lbs. of this product per 1000 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 USE IN CALIFORNIA**

**\*For the Control of Mildew and Bacteria in Styrene Butadiene Rubber and Thermoplastic Resins Used in the Manufacture of the Following 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; Rubber/Wood Flour Composite; Wood Plastic Composite Products (non-food) Uses; Athletic Flooring and Mats; Mattress Liners, Covers or Ticking; Molding; Mats; Gaskets; Weather Stripping; Coated Fabrics for Furniture Cushions, Boat Covers, Tents; Tarpaulins; Awnings; Non-Surgical Rubber Gloves; Garbage Bags, Refuse Containers; Bathtub Appliqués; Garden Hose; Non-Potable Water Pipe; Ductwork, air filters, air filtration components and air filtration media for industrial, hospital, residential and commercial heating and cooling; Shower Curtains; Sponge or Fiber Mops; Household Use Sponges; Toilet Brush Receptacles, Toothbrush Receptacles (Non Bristle Contact); Non-Medical Scrub Brushes; Sink Mats and Drain Boards; Storage Containers; Soap Dish Holders; Towel Bars, Components of Footwear and Toilet Seats.

Addition of up to 8000 ppm (8 lbs./1000 lbs. of formulation) of this product can inhibit the growth of fungi causing stains, odor or product degradation and bacteria causing stains, odor or degradation of physical properties 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 ensure uniform distribution throughout the polymer system. Add by pouring or by use of metering equipment. For example, to inhibit these fungi in polyurethane footwear components, add 4000 ppm (4 lbs./1000 lbs. of formulation) of this product to the polyurethane formulation.

**\*NOT APPROVED FOR USE IN 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 10000 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 10 lbs. of this product per 1000 lbs. of slurry. It may be added at any time during the formulation procedure.

**\*NOT APPROVED FOR USE IN 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 8000 ppm of this product (8 lbs. of product per 1000 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 of walls, ceiling tiles, partitions, etc. at the same dosage as above.

**\*NOT APPROVED FOR USE IN CALIFORNIA**

**\*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, wool, polybenzimidazole, polyparaphenylene phthalamides, cellulose and blends of these polymers, add 6-18 ounces of this product per 1000 lbs. dry weight of fabric, at a sour density of 8.3 pounds per gallon, to reach a use level of 38-112 ppm. Apply to the sour operation and run for a minimum of five minutes. Product is to be used in industrial applications. Product is not intended for use in residential, commercial or institutional settings.

**\*NOT APPROVED FOR USE IN CALIFORNIA**

**INDIRECT FOOD CONTACT USES:**

**\*For the Preservation of Adhesives Used for Food Packaging:**

For the control of fungi causing stains, odor, or product degradation and bacteria causing stains, odor or degradation of physical properties in food packaging adhesives, at use temperatures up to 120°F, and subject to Good Manufacturing Practices, including the conditions specified in 21 CFR 175.105 (a) and (b), add a dosage of 1500 ppm to a maximum of 2000 ppm of this product (1.5 to 2.0 lb. of this product per 1000 lbs. of food packaging adhesive) at a point where thorough mixing will take place.

**\*NOT APPROVED FOR USE IN CALIFORNIA**

**NOTICE OF WARRANTY**

Janssen PMP, a Division of Janssen Pharmaceutica NV warrants that this product conforms to the chemical description on the label thereof and is reasonably fit for purposes stated on such label only when used in accordance with the directions under normal use conditions. It is impossible to eliminate all risks inherently associated with the use of this product. Ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Janssen PMP. To the extent permitted by law, Janssen PMP disclaims any liability for consequential, special or indirect damages resulting from the use, handling, application, storage or disposal of this product or for damages in the nature of penalties, and the buyer and user waive any right that they may have to such damages. **To the extent consistent with applicable law, Janssen PMP makes no warranties of merchantability or of fitness for a particular purpose or any other express or implied warranty except as stated above.**

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PMP 27April2017