



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

January 29, 2020

Abigail T. D. Wacek  
Senior Regulatory Consultant  
1150 18<sup>th</sup> Street, NW  
Suite 1000  
Washington, D.C. 20036

Subject: Label Amendment – To update the storage and disposal language -Adding instructions for commercial packaging for the product  
Product Name: PMG721  
EPA Registration Number: 86106-4  
Application Date: December 21, 2018  
Decision Number: 547886

Dear Ms. Wacek:

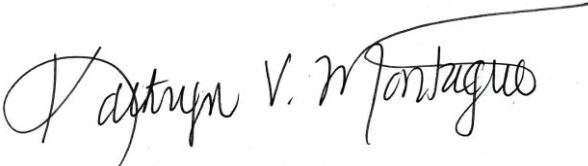
The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

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.

Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6. If you have any questions, please contact Zebora Johnson by phone at (703) 308-7080 or via email at [johnson.zebora@epa.gov](mailto:johnson.zebora@epa.gov).

Sincerely,

A handwritten signature in black ink that reads "Kathryn V. Montague". The signature is written in a cursive style with a long, sweeping horizontal line extending from the end of the name.

Kathryn Montague, Acting Product Manager 33  
Regulatory Management Branch 1  
Antimicrobials Division (7510P)  
Office of Pesticide Programs

Enclosure: Accepted Label:

**ACCEPTED**

01/29/2020

Under the Federal Insecticide, Fungicide  
and Rodenticide Act as amended, for the  
pesticide registered under  
EPA Reg. No. 86106-4

## PMG721

A preservative and bacteriostatic agent for use in the  
Manufacture of polymer, plastic and latex products.  
For commercial and industrial use.

**Active Ingredient:**

Silver	1.42%
Other Ingredients:	98.58%
Total	100.00%

KEEP OUT OF REACH OF CHILDREN

**CAUTION**

SEE INSERT LABEL FOR PRECAUTIONARY STATEMENTS

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Manufactured for:

TaikiUSA Inc.  
155 Chestnut Ridge Road  
Montvale, NJ 07645

EPA Registration Number: 86106-4  
EPA Establishment Number: [91782-JPN-1]

**Net Wt. XXXX**

**Lot No. XXXXXXXX**

PMG721(86106-4)

TaikiUSA

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## Directions for Use

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

### For All Uses Listed:

- \* This product is intended for use in the manufacture of Non-Food Contact polymer, plastic and latex products for commercial and industrial use.
- \* Do not incorporate this product into any food contact polymer unless the subject food contact polymer is approved and listed in 21 CFR Parts 174 through 186 (inclusive) or in the United States Food and Drug Administration's "Food Contact Substance Notification System." Any incorporation of this product into an approved and listed food contact polymer must comply with the specific use conditions listed in 21 CFR, Parts 174 through 186 (inclusive), 40 CFR Part 158W, or in the United States Food and Drug Administration's "Food Contact Substance Notification System," for such food contact polymer. Any incorporation of this product into any food contact substance (including but not limited to non-polymer substances) other than an approved and listed food contact polymer is prohibited.
- \* *PMG721* is an antimicrobial additive to be used by compounding into many polymeric materials. It is designed to be incorporated during the manufacturing process to impart antimicrobial activity to the manufactured products. *PMG721* suppresses the growth of algae, mold, mildew, fungi and bacteria which cause unpleasant odors, discoloration, staining, deterioration or corrosion only. No finished product incorporating *PMG721* may make any public health claims relating to antimicrobial activity without first obtaining an EPA registration for the finished product which permits such claims, and without a tolerance or exemption from the requirement of a tolerance. When incorporated into treated articles, this product does not protect users of any such treated article or others against food borne or disease causing bacteria, viruses, germs or other disease causing organisms.

## Types of Finished Products

### 1. Plastics – including films, sheets, slabs, and molded plastic parts:

The additive may be incorporated into the finished product at up to 5.0% by weight or at least 0.1% for bulk plastics. Contact TaikiUSA Inc., to determine the appropriate amount of *PMG721* for individual finished products.

#### Non-food contact uses:

- Acoustic instruments and/or hearing aids
- Appliances & equipment
- Automobile parts
- Bands and belts (touched by humans)
- Beverage processing equipment (including mixers, transfer equipment, pumps, bottlers, canners, dispensers & fermenters)
- Bottles
- Brush bristles (including personal care grooming items, toothbrushes (claims allowed: odor, discoloration, staining) & cosmetic brushes (claims allowed: odor, discoloration, staining))
- Brush bristles (including personal care grooming items, toothbrushes), and cosmetic brushes
- Brush handles
- Buttons (example: elevator)
- Cable wraps
- Cameras & imaging equipment
- Communication equipment (stationary, mobile & handheld) including telephones, headsets, handsets, intercoms, earphones, & microphones and other input/output devices
- Computer keyboards
- Computers, laptops & accessories (stationary, mobile & handheld) including processors (cpus), monitors, stands, and peripherals to include keyboards, mouse, touch pad, touch tablet, graphic tablet, & trackballs and other input/output devices
- Containers
- Conveyor belts
- Countertops
- Cups
- Drain pan liners
- Ducts
- Electronics & gaming equipment (stationary, portable, mobile & handheld) & displays & their accessories, including consoles, headsets, controllers, & other input/output devices
- Escalator hand rails
- Eyeglass frames and lenses protective eyewear including glasses, masks shields & goggles
- Films
- Floor coverings
- Flooring
- Flush-nozzle an related gadgets for toilet
- Foam containers
- Food processing equipment (including slicers, formers, juicers, washers, canners, freezers, refrigerators, shelving, cookers, grinders, choppers, peelers & countertops) (non-food contact surfaces only)
- Footwear (including boots, sports equipment and tools)
- Gaskets
- General purpose containers
- Gloves
- Hand rails (going up stairs)
- Handles and knobs
- Handrail and step
- Home electric apparatus
- Indoor and outdoor furniture
- Insulation for wire and cable
- Insulators
- Kitchen and bathroom hardware
- Liners
- Mats
- Medical devices, equipment & supplies
- Mops
- Mouthguards (claims allowed: odor, discoloration, staining)

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- Non-woven fabrics
- Office equipment & supplies (including binders, filing & storage systems, pens, pencils, markers, printers, facsimile machines, desk accessories, computers, keyboards, mice, scanners & printers)
- Packaging
- Personal care items (including grooming items, sports & dental mouthguards. Claims allowed: odor, discoloration, staining)
- Plastic (resin) palette
- Plastic & films: Polymers: polyester, polyamide, polypropylene, polyethylene, polysiloxane, polyethylene copolymer, polyvinyl alcohol, epoxy resin, phenol resin, polycarbonate, cellulose acetate, polystyrene, polyurethane, acrylic resin, methyl methacrylate, acrylonitrile butadiene styrene copolymer, etc.
- Plumbing supplies and fixtures (including toilet bowl seats)
- Protective covers
- Protective covers (example: mobile phone)
- Shower curtains
- Siding for housing
- Sinks
- Spas, bathtubs, showers & filters & components thereof
- Sponges
- Steering wheels
- Straps
- Tape
- Thermometer and case
- Tiles
- Toys (claims allowed: odor, discoloration, staining, deterioration)
- Tubing
- Vacuum cleaner bags
- Washing machine water-pan
- Waste containers
- Water supply tank and panel
- Water-outlet filter

## 2. **Fibers:**

The additive may be incorporated into the finished product at up to 5.0% by weight or at least 0.1% for fibers. Contact TaikiUSA Inc., to determine the appropriate amount of *PMG721* for individual finished products.

### **Non-food contact uses only (in all cases, when the article itself is an approved polymer, or as an approved polymer coating on an article):**

- Bags
- Brush bristles (including personal care grooming items, toothbrushes (claims allowed: odor, discoloration, staining) & cosmetic brushes (claims allowed: odor, discoloration, staining)
- Clothing apparel (including uniforms, outerwear, gloves, aprons, coats & shoes)
- Conveyor belts
- Filters
- Kitchen, commercial & industrial wipes & fabrics
- Napkins, tablecloths & wiping cloths
- Packaging (including bags, sacks, wraps, cushion & absorbent materials, & containers)
- Sponges

### **Non-food contact uses only (in all cases, when the article itself is an approved polymer, or as an approved polymer coating on an article):**

#### ***Interior furnishings***

- Bags
- Blankets
- Carpet and carpet underlay
- Curtains
- Cushion pads
- Draperies

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- Fiberfill for quilts and pillows
- Mattress cover pads and filling
- Mops
- Pillow covers
- Polymers: polyester, polypropylene, nylon, polyethylene, acrylic, rayon, etc.
- Rugs

- Sheets
- Sleeping bags
- Towels
- Upholstery
- Wall covering fabrics
- Wiping cloths

### ***Apparel***

- Caps
- Coats & aprons
- Gloves
- Helmets
- Industrial uniforms
- Inner liners for jackets
- Outerwear
- Polymers: polyester, polypropylene, nylon, polyethylene, acrylic, rayon, etc.
- Shoes

- Sleepwear
- Sock and hosiery
- Sportswear
- Stockings
- Trim for outerwear and garments
- Umbrellas
- Undergarments
- Uniforms

### ***Industrial and Other Household Items***

- Artificial leather
- Awnings
- Book covers
- Brush bristles
- Cloth for sails
- Commercial & industrial wipes & fabrics
- Drain pan liners
- Filters
- Medical devices, equipment & supplies

- Mops
- Polymers: polyester, polypropylene, nylon, polyethylene, acrylic, rayon, etc.
- Ropes
- Shoe linings
- Sponges
- Tarps
- Tents and other outdoor equipment

### ***Luggage –***

- Cosmetic bags
- Duffel bags
- Laundry bags
- Luggage

- Luggage lining
- Package organizers
- Shoe bags
- Sports bags

### ***Cosmetic Applicators –***

- Brushes

- Cosmetic puffs

### ***Transportation –***

- Automotive and truck upholstery
- Carpeting
- Interior liners convertible tops

- Rear decks
- Truck liners

### 3. **Coatings, Films and Laminates:**

The additive may be incorporated into the finished product at up to 5.0% by weight or at least 0.05% for paper or 0.3% for bulk plastics. Contact TaikiUSA Inc., to determine the appropriate amount of *PMG721* for individual finished products. Types of coatings include water-borne, solvent-borne, 100% solids, radiation cure, liquid and powder.

#### **Non-food contact uses (in all cases, as an approved polymer coating for the article):**

- Appliances & food processing equipment (including slicers, formers, juicers, washers, canners, freezers, refrigerators, shelving, cookers, grinders, choppers, peelers & countertops) (non-food contact surfaces only)
- Beverage processing equipment (including mixers, transfer equipment, pumps, bottlers, canners and fermentors and dispensers)
- Building materials and components (including wall, hardware, floors, ceilings and component thereof for kitchen, commercial and industrial applications)
- Collection & storage equipment (such as conveyor belts, piping systems, silos, tanks and process vessels)
- Cookware
- Countertops
- General purpose containers
- Kitchen, commercial & industrial utensils and supplies
- Natural and synthetic fibers and fabrics
- Packaging
- Paper products (including wipes & tissues, corrugated paper filters)
- Sinks

#### **Non-food contact uses only (in all cases, as an approved polymer coating for the article):**

- Air ducts
- Automotive and vehicular parts
- Barrier fabrics
- Cameras & imaging equipment
- Concrete
- Cosmetic bags
- Duffel bag
- Electrical wiring devices & wall plates
- Floors
- Furniture
- Glazing for cement tile
- Glazing for vitreous china used in plumbing fixtures (including toilets, sinks, countertops)
- Heating, ventilation & air conditioning equipment & related materials (including insulation, ducts, heat exchangers, drain pans, air filters, air purifiers, diffusers, & parts & components thereof)
- Industrial equipment
- Laundry bags
- Luggage
- Luggage lining
- Medical devices, equipment & supplies
- office equipment & supplies (including binders, filing & storage systems, pens, pencils, markers, printers, facsimile machines, desk accessories, computers, keyboards, mice, scanners, & printers)
- Packaging
- Packing organizers
- Paper products (including wall coverings, towels, book covers)
- Roofing
- Shingles
- Shoe bags
- Siding
- Spas, bathtubs, showers, & filters and components thereof
- Sports bag accessories
- Sports bags
- Telephones, mobile devices, headphones, head sets & accessories
- Wallboard
- Walls



#### 4. **Adhesives and Sealants:**

The additive may be incorporated into the finished product at up to 5.0% by weight or at least 0.05% for paper or 0.3% for bulk plastics. Contact TaikiUSA Inc., to determine the appropriate amount of *PMG721* for individual finished products.

#### **Non-food contact uses (in all cases, when used in approved polymers incorporated into adhesives or sealants):**

- Grout & joint compound for; countertops, building materials & components & food and beverage related equipment
- Grout and joint compound for; countertops and architectural elements
- Pipe sealants and insulating materials
- Plumbing adhesives

#### **Non-food contact uses only**

- Adhesive for cement tile and sealants, etc.
- Adhesives for ceramic tile, wood, paper, cardboard, rubber and plastic
- Adhesives for plywood manufacture
- Adhesives used in the manufacture of wood and plastic composites
- Adhesives, sealants and insulating materials for; appliances, bathrooms, showers, kitchens and construction
- Appliances
- Bathrooms
- Cardboard
- Ceramic tile
- Construction materials
- Glazing for windows
- Grout
- Grout & joint compound
- Paper
- Plastic
- Plywood
- Rubber
- Sealants for pipes
- Sealants for pipes, showers, wood, wood & plastic composites

#### 5. **Paint:**

The additive may be incorporated into liquid or solution, and be used for spraying (ie textile fabrics). Contact TaikiUSA Inc., to determine the appropriate amount of *PMG721* for individual finished products.

#### **Interior & exterior paints**

Water based or solvent based paint

#### 6. **Paper Coating:**

The additive may be incorporated into the finished product at up to 5.0% by weight or at least 0.1% for bulk plastics. Contact TaikiUSA Inc., to determine the appropriate amount of *PMG721* for individual finished products.

#### **Non-food contact uses only**

- Book covers
- Corrugated paper filters, etc.
- Wallpaper
- Wiping towels

#### 7. **Miscellaneous Applications:**

The additive may be incorporated into the finished product at up to 5.0% by weight. Contact TaikiUSA Inc., to determine the appropriate amount of *PMG721* for individual finished products.

**Non-food contact uses only**

- Cat litter
- Drainage and sewerage pipe
- Flooring
- Interior paints & coatings
- Medical devices, equipment & supplies
- Plaster
- Sinks
- Slurries & intermediates
- Stucco
- Tile
- Toilets

**8. Liquid / Solution for System:**

The additive may be incorporated into liquid or solution, and be used for spraying (ie textile fabrics). Contact TaikiUSA Inc., to determine the appropriate amount of *PMG721* for individual finished products.

**Non-food contact uses only**

Liquid or solution for spraying

## PRECAUTIONARY STATEMENTS

### Hazards to Humans and Domestic Animals

**Caution.** Harmful if inhaled or absorbed through skin. Causes moderate eye irritation. Avoid breathing dust. Avoid contact with skin, eyes or clothing. Wear goggles or face shield, and rubber gloves. 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.

<b>First Aid</b>	
<b>If Inhaled:</b>	<ul style="list-style-type: none"> <li>* Move person to fresh air.</li> <li>* If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.</li> <li>* Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If on Skin</b>	<ul style="list-style-type: none"> <li>* Take off contaminated clothing.</li> <li>* Rinse skin immediately with plenty of water for 15 – 20 minutes.</li> <li>* Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If in Eyes:</b>	<ul style="list-style-type: none"> <li>* Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>* Remove contact lenses, if present, after the first 5 minutes, then continue rinsing.</li> <li>* Call a poison control center or doctor for treatment advice.</li> </ul>
Have the product container or label with you when calling a poison control center or doctor or going for treatment.	

### Storage and Disposal

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

**Pesticide Storage:** Do not store in areas accessible to children. Keep product dry and containers covered during storage; store below 130°F. In case of spill or leakage, flood area with large quantities of water.

**Pesticide Disposal:** Wastes from the use of this product may be disposed of on site or at an approved waste disposal facility.

*{For Cardboard Carton and Inner Plastic Bag}*

**Container Handling:** Nonrefillable container. Do not reuse or refill this container. Completely empty plastic bag into application equipment, then offer for recycling if available or dispose of empty carton and inner bag in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

*{For Steel drums and Inner Plastic Bag.}*

**Container Handling:** Nonrefillable container. Do not reuse or refill inner plastic bag or outer steel can. **Inner Plastic Bag:** Completely empty plastic bag into application equipment. Then offer for recycling if available or 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. **Outer Steel Can:** Offer for recycling if available or reconditioning if appropriate, or puncture and dispose of in a sanitary landfill, or by other procedures approved by State and local authorities.