



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

April 20, 2023

Jonathan Walsh
Consultant for KOA Glass Company, LTD
c/o Technology Sciences Group Inc.
1150 18th Street, NW, Suite 1000
Washington, D.C. 20036

Subject: Label and CSF Amendment – Update to the label to remove food contact surfaces, update the Storage and Disposal, and update from silver to “silver ion” per the Silver GDCI reclassification letter; Update to basic Confidential Statement of Formula (CSF) per the Silver GDCI reclassification memo
Product Name: PG721
EPA Registration Number: 86106-5
Received Date: 1/2/2020
Action Case Number: 00220354

Dear Jonathan Walsh:

The amended label and CSF referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, are 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. Pursuant to 40 CFR 156.10(a)(6) 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.

Please note that the record for this product currently contains the following CSF:

- Basic CSF dated 04/12/2023

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.

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 me via email at garvie.heather@epa.gov.

Sincerely,



Heather A. Garvie
Senior Regulatory Advisor
Regulatory Management Branch 2
Antimicrobials Division
Office of Pesticide Programs

Enclosure

PG721

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

Active Ingredient:	
Silver ion	2.0%
Other Ingredients:	98.0%
Total	100.0%

ACCEPTED

04/20/2023

Under the Federal Insecticide, Fungicide
and Rodenticide Act as amended, for the
pesticide registered under
EPA Reg. No. 86106-5

KEEP OUT OF REACH OF CHILDREN

CAUTION

SEE INSERT LABEL FOR PRECAUTIONARY STATEMENTS

Manufactured for:

TaikiUSA Inc.
155 Chestnut Ridge Road
Montvale, NJ 07645

EPA Registration Number: 86106-5
EPA Establishment Number: XXXXX-XX-XX

Net Wt. XXXX

Lot No. XXXXXXXX

PG721 (86106-5)

TaikiUSA Inc.

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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.

- * *PG721* 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. *PG721* suppresses the growth of algae, mold, mildew, fungi and bacteria which cause unpleasant odors, discoloration, staining, deterioration or corrosion only. No finished product incorporating *PG721* 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 PG721 for individual finished products.

Non-food contact uses:

- Acoustic instruments and/or hearing aids
- Appliances & equipment
- Automobile parts
- Bands and belts (touched by humans)
- 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 – non-food contact surface
- 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
- 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)
- 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 non-food contact
- Spas, bathtubs, showers & filters & components thereof
- Sponges – non-food contact
- 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 *PG721* 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
- Commercial & industrial wipes & fabrics
- Napkins, tablecloths & wiping cloths
- Packaging (including bags, sacks, wraps, cushion & absorbent materials, & containers)
- Sponges – non-food contact

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
- 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 – non-food contact
- 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 *PG721* for individual finished products. Types of coatings include water-borne, solvent-borne, 100% solids, radiation cure, liquid and powder.

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

- Air ducts
- Automotive and vehicular parts
- Barrier fabrics
- Building materials and components (including wall, hardware, floors, ceilings and component thereof for kitchen, commercial and industrial applications)
- Cameras & imaging equipment
- Collection & storage equipment (such as conveyor belts, piping systems, silos, tanks and process vessels)
- Countertops – non-food contact
- Concrete
- Cosmetic bags
- Duffel bag
- Electrical wiring devices & wall plates
- Floors
- Furniture
- Glazing for cement tile
- General purpose containers
- Glazing for vitreous china used in plumbing fixtures (including toilets, sinks, countertops)
- Heating, ventilation & air conditioning equipment & related materials (including
- Spas, bathtubs, showers, & filters and components thereof
- Sports bag accessories
- Sports bags
- 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)
- Natural and synthetic fibers and fabrics
- Packaging
- Packing organizers
- Paper products (including wipes, tissues, corrugated paper filters, wall coverings, towels, book covers)
- Roofing
- Shingles
- Shoe bags
- Siding
- Sinks
- 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 *PG721* for individual finished products.

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

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- 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 *PG721* 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 *PG721* 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 *PG721* 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 *PG721* 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 when handling the dry powder. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove contaminated clothing and wash clothing before reuse.

First Aid	
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 treatment advice.
If on Skin	<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 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.* Call a poison control center or doctor for treatment advice.
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.