



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

September 9, 2022

Abigail T.D. Wacek
Senior Regulatory Consultant
Corning Incorporated
One Riverfront Plaza
Corning, NY 14831
abigail.wacek@tsgconsulting.com

Subject: Label Amendment – Adding Use Sites, Marketing Claims, and Alternate Brand Name
Product Name: Corning Antimicrobial Particles
EPA Registration Number: 89661-2
Received Date: 12/20/2021
Action Case Number: 00337488

Dear Ms. Wacek:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), 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. 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.

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.

Page 2 of 2
EPA Reg. No. 89661-2
Action Case Number 00337488

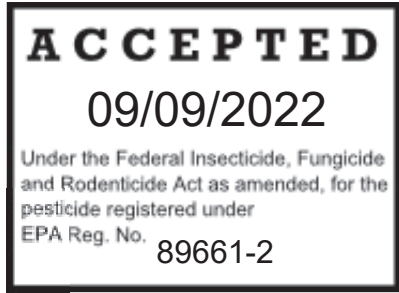
Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6. If you have any questions, please contact Terria Northern via email at northern.terria@epa.gov.

Sincerely,

A handwritten signature in cursive script that reads "Heather A. Garvie".

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

Enclosure: Accepted label



(MASTER LABEL)

CORNING

GUARDIANT™

Corning® Antimicrobial Particles

(Alternate Brand Name: Corning® Guardian™ Antimicrobial Particles,
Corning® Guardian®)

For use in the manufacture of paints, coatings, and plastic articles as a preservative. Subject to EPA requirements, paints, coatings and plastic articles formulated with this product also may qualify as products that provide residual antimicrobial efficacy to treated surfaces.

Effective preservative made out of glass particles to protect industrial formulations, dried coatings, and plastic articles against bacteria and fungi that cause deterioration. It also may be possible through product testing that conforms to EPA protocols to demonstrate the effectiveness of products formulated using Corning® Guardian™ Antimicrobial Particles against additional viruses and bacteria. No finished product incorporating Corning® Antimicrobial Particles may make any public health claims relating to antimicrobial activity without first obtaining an EPA registration for the finished product which permits such claims.

When incorporated into paints or plastic articles, this product does not protect users who come into contact with the painted surfaces or plastic articles from microorganisms. This product is intended to protect paint or plastic formulations only from deterioration caused by mold, mildew and bacteria. This product may be used to formulate paints, coatings and plastic articles that may be shown to have residual effectiveness against viruses and bacteria when tested in accordance with EPA efficacy requirements and such claims have been authorized by EPA.

Active Ingredient: Cupric Oxide (CAS 1317-38-0)*	33%
Other Ingredients.....	67%
Total: 100%	

*Metallic copper equivalent: 26.36%

Note to Reviewer: Language contained within parentheses () will not appear on market labels and language contained within brackets [] is optional.

Corning Incorporated
One Riverfront Plaza
Corning, NY 14831

EPA Reg. No: 89661-2
EPA Est. No:
Net Weight:

[See [side] [back] panel for [First Aid] [additional] [Precautionary Statements].]

Keep Out of Reach of Children

CAUTION

Precautionary Statements

Hazards to Humans and Domestic Animals

CAUTION: Causes moderate eye irritation. Harmful if swallowed. Avoid contact with eyes or clothing. Wear goggles or protective eyewear. 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.

FIRST AID

In case of emergency, 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.

IF IN EYES: 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 further treatment advice.

IF SWALLOWED: Call a poison control center or doctor immediately for treatment advice. Have a 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 to an unconscious person.

ENVIRONMENTAL HAZARDS

This product is toxic to fish and aquatic invertebrates. 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.

Directions For Use

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

Do not use for any application involving direct or indirect contact with food, food packaging or drinking water.

The product can be used as an in-can or dry-film preservative for water borne paints, coatings, and plastic articles to prevent spoiling from bacteria, mold and mildew when used by itself or as a mixture with other biocides.

This product also can be used to formulate paints, coatings and plastic articles that may be shown to have residual effectiveness against viruses and bacteria when tested in accordance with EPA efficacy requirements. Claims for supplemental residual efficacy of a coating product or coated surface against such organisms must be authorized by EPA.

USE RATE:

Paints

Use a range of 1-150 grams of this product per gallon of paint. This amount is equivalent to 0.02-3 percent weight per gallon of paint.

Coating

The final article (or finished coating) may contain 0.02% to 15% Corning® Guardiant™ Antimicrobial Particles by weight.

Including coatings on appliances and equipment; automotive and vehicular parts such as interior dashboards, knobs and switches; airplane interior parts such as armrests, door handles, overhead bins, seat backs, wall panels; cell phones, tablets, laptops, TVs, music and video players, computers, printers, cameras, gaming consoles, heart-rate monitoring wearables, and other mobile & electronic devices; Coatings on small household electric appliances (non-food contact) including cleaning robots, irons, vacuum cleaners, large household appliances such as refrigerators (non-food contact components) and washing machines; credit card processors; computer carts; automatic door push plates; bathroom partitions; clear barrier partitions; restroom hand dryers; laundry hampers; brush handles; building materials and components; wood and plastic composites; wall coverings; concrete; conveyor belts that do not come in contact with any type of food; countertops; floor covering; flooring; footwear including boots; gaskets; glazing for tiles, toilets, countertops (non-food contact); indoor furniture; bed-side tables, chairs, bedrails, assistance rails;

Note to Reviewer: Language contained within parentheses () will not appear on market labels and language contained within brackets [] is optional.

Corning® Antimicrobial Particles
EPA Reg. No: 89661-2
June 23, 2022
Page 3 of 6

elevator control panel, buttons, interior walls; stairway handrails; critical care carts; storage shelving; insulation for wires and cable; insulators; kitchen and bathroom hardware; liners; mats; mops; natural and synthetic fibers and fabrics; non-woven fabrics; synthetic leather; plumbing supplies and fixtures; shower curtains; siding; sinks, sports equipment, tape, tiles, tubing, vacuum cleaner bags, wallboard, walls, waste containers,. For coatings used on the inside of fire sprinkler pipes. Adhesives used in the manufacturing of wood and plastic composites, adhesives for ceramic tile, rubber, plastic, glazing for windows, grout, sealants for pipes, and adhesives for plumbing.

Plastics

Use a range of 0.02 – 15 percent by weight in plastics applications. This powder is to be incorporated directly into masterbatch. The masterbatch can be used by let down processes (to ensure 0.02 – 15 percent use range) to make molded articles or drawn into fibers by processes such as melt spinning. The molded articles can be finished products or be part of a finished product. The fibers are used in the manufacturing process of woven articles.

Plastic Articles

The final article may contain between 0.02% to 15% Corning® Guardian™ Antimicrobial Particles by weight.

Including household items, bedding, mattress cover pads and filling, pillow covers, sheets, blankets, fiberfill for quilts and pillows, table cloths, napkins, wiping cloths, mops, towels, vacuum cleaner bags, cushion pads, sleeping bags, brush bristles, air and dust filters, book covers, curtains, draperies, upholstery, wall covering fabrics, carpet underlay, carpet backing, conveyor belts that do not come in contact with any type of food, automotive and truck upholstery, automotive and truck carpeting, truck liners, convertible tops and interior liners, apparel, face masks, outerwear, uniforms, coats, aprons, sportswear, sleepwear, stockings, socks, hosiery, caps, undergarments, inner liners for jackets, shoes, gloves and helmets Floor coverings including carpets, rugs (backing and fibers), mats, indoor carpet and broadloom and tile carpeting

Including appliances and equipment; automotive and vehicular parts such as interior dashboards, knobs and switches; airplane interior parts such as armrests, door handles, overhead bins, seat backs, wall panels; cell phones, tablets, laptops, TVs, music and video players, computers, printers, cameras, gaming consoles, heart-rate monitoring wearables, and other mobile & electronic devices; Small household electric appliances (non-food contact) including cleaning robots, irons, vacuum cleaners; Large household

appliances such as refrigerators (non-food contact components) and washing machines; credit card processors; computer carts; automatic door push plates; bathroom partitions; clear barrier partitions; restroom hand dryers; laundry hampers; brush handles; building materials and components; wood and plastic composites; wall coverings; concrete; conveyor belts that do not come in contact with any type of food; countertops (non-food contact); floor covering; flooring; footwear including boots, shoes, slides and cleats; gaskets; glazing for tiles, toilets, countertops (non-food contact); indoor furniture; bed-side tables, bedrails, assistance rails; elevator control panel, buttons, interior walls; stairway handrails; critical care carts; storage shelving; insulation for wires and cable; insulators; kitchen and bathroom hardware (non-food contact); liners; mats; mops; natural and synthetic fibers and fabrics; non-woven fabrics; synthetic leather; plumbing supplies and fixtures; shower curtains; siding; sinks, sports equipment, tape, tiles, tubing, vacuum cleaner bags, wallboard, walls, waste containers, sports equipment including football, ice hockey and lacrosse helmets, gloves, pads and protective gear, ice and roller skates, wrestling and yoga mats, gym equipment (weights, stationary bikes tread mills, stair masters)

Storage and Disposal

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

Storage:	Store in a clean dry place at room temperature.
Pesticide Disposal:	Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.
Container Handling:	Nonrefillable container. Do not reuse or refill the container. Offer for recycling if available.

(Optional Marketing Claims:)

- Protects paint, paint film, coatings, coating films, and plastic articles from mold, mildew and bacteria that cause deterioration.
- Antimicrobial additive to protect paint, coatings, and plastic articles from mold, mildew and bacteria.
- Anti-mold, anti-mildew, anti-bacterial against bacteria that cause deterioration.
- Preserves paint, paint film, coatings, coating films, and plastic articles against attack by mold, mildew and bacteria that cause deterioration.
- Preserves paint, paint film coatings, coating films, and plastic articles against microorganisms that cause deterioration.
- Preserves paint and paint film against microorganisms including mold, mildew and bacteria that cause deterioration.

- Imparts anti-mold activity against microorganisms that cause deterioration in paint, paint films, coatings, coating films, and plastic articles.
- Provides anti-mold protection against microorganisms that cause deterioration in paint, paint films, coatings, coating films, and plastic articles.
- Provides anti-bacterial protection against bacteria that cause deterioration of wet paints and coatings stored in cans.
- Preserves in-can paint and coatings against microorganisms causing deterioration.
- Paints, coatings and plastic articles formulated with this product may be tested for residual effectiveness against viruses and bacteria of public health concern. Finished products and coatings showing residual efficacy against such organisms must be registered by EPA before being marketed with such claims.
- This product can be added to formulated products for testing the surface coating against viruses and bacteria of public health concern. EPA approval is required for any product distributed with public health claims.