Agion® Silver Antimicrobial Type AJ

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

**Active Ingredient:**
- Silver: 2.5%
- Other Ingredients: 97.5%
- Total: 100.0%

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

SEE INSERT LABEL FOR PRECAUTIONARY STATEMENTS

Manufactured for:
Sciessent LLC
60 Audubon Road
Wakefield, MA 01880

EPA Registration No. 71227-1-88165
EPA Establishment No. 88165-MA-001

Net Wt. XXXX
Lot No. XXXXXXXXX
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*:
* 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), 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.

* For applications involving direct or indirect food or human drinking water contact, Agion® Silver Antimicrobial Type AJ must be used with an FDA approved polymer or coating. Non-food and non-drinking water contact applications can use either FDA or non-FDA approved coatings.

* This product may be used for the following human drinking water contact uses:
  water filter components and housing units
  water bottle dispensers and components
  water dispensers
  ice machine trays
  ice machine bins
  ice machine water hoses
  ice dispensers and other ice machine components
  water bottles
  cups
  water storage vessels

* This product may be incorporated into food and water bowls, dishes and other containers used by domestic animals. Do not use for any food or drinking water applications involving non-domestic animals.

Agion® Silver Antimicrobial Type AJ is an antimicrobial additive to be used by compounding into many polymeric materials. It is designed to be incorporated during and after the manufacturing process to impart antimicrobial activity to the manufactured products. Approved post manufactured product upgrade applications are detailed in the label section titled “Coatings for Upgrade Applications.” Agion® Silver Antimicrobial Type AJ suppresses the growth of algae, mold, mildew, fungi and bacteria which cause unpleasant odors, discoloration, staining, deterioration or corrosion only. No finished product incorporating Agion® Silver Antimicrobial Type AJ 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

**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 Scissent LLC to determine the appropriate amount of Agion® Silver Antimicrobial Type AJ for individual finished products.

**Food contact** and non-food contact uses (in all food contact cases, when the article itself is a FDA-approved polymer):
- packaging
- gaskets
- general purpose containers
- food and drink containers
- food trays and covers
- sponges
- plastic film
- food wrap (including coated deli paper, coated meat interleavers and plastic wrap)
- tubing
- brush bristles (including personal care grooming items, toothbrushes (Claims allowed: odor, discoloration, staining), and cosmetic brushes (Claims allowed: odor, discoloration, staining))
- liners
- non-woven fabrics
- appliances and equipment
- kitchen and food processing utensils and supplies
- cutting boards
- countertops
- sinks
- tiles
- dishes
- cups
- bottles
- conveyor belts
- food processing equipment (including slicers, formers, juicers, washers, canners, freezers, refrigerators, shelving, cookers, grinders, choppers, peelers and countertops)
- beverage processing equipment (including mixers, transfer equipment, pumps, bottlers, canners, dispensers and fermenters)
- garbage bags and garbage cans

**Non-food contact uses only:**

- automobile parts
- shower curtains
- mats
- protective covers
- tape
- waste containers
- brush handles
- mops
- vacuum cleaner bags
- plumbing supplies and fixtures (including toilet bowl seats)
- drain pan liners¹
- office equipment and supplies (including binders, filing and storage systems, pens, pencils, markers, printers, facsimile machines, desk accessories, computers, keyboards, mice, scanners, and printers)
- personal care items (including grooming items, toothbrushes
  (Claims allowed: odor, discoloration, staining), sports and
dental mouthguards (Claims allowed: odor, discoloration, staining))

**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 Sclessent LLC to determine the appropriate amount of Agion® Silver Antimicrobial Type AJ for individual finished products.

**Food contact* and non-food contact uses (in all food contact cases, when the article itself is a FDA-approved polymer, or as a FDA-approved polymer coating on an article):**
napkins, tablecloths and wiping cloths
bags
brush bristles (including personal care grooming items, toothbrushes (Claims allowed: odor, discoloration, staining), and cosmetic brushes (Claims allowed: odor, discoloration, staining))
filters
clothing apparel (including uniforms, outerwear, gloves, aprons, coats and shoes)
sponges
packaging (including bags, sacks, wraps, cushion and absorbent materials, and containers)
conveyor belts
kitchen, commercial and industrial wipes and fabrics

**Non-food contact uses only:**

*Interior furnishings* -
mattress cover pads and filling
pillow covers
sheets
blankets
fiberfill for quilts and pillows
curtains
draperies
carpet and carpet underlay
rugs
upholstery
mops
towels
wall covering fabrics
 cushion pads
 sleeping bags

*Apparel* –
 umbrellas
 outerwear
 sportswear
 sleepwear
 stockings
 socks and hosiery
 caps
 undergarments
 inner liners for jackets
 trim for outerwear and garments

*Transportation* –
 automotive and truck upholstery
 carpeting
 rear decks
 trunk liners
 convertible tops
 interior liners

*Industrial and Other Household Items* –
 artificial leather
 filters
 book covers
 mops
 cloth for sails
 ropes
 tents and other outdoor equipment
 tarps
 awnings
 drain pan liners¹

Coatings, Films and Laminates
The additive may be incorporated into the coating, film or laminate applied to the finished product at up to 5.0% by weight, or at least 0.05% for paper or 0.1% for bulk plastics. Contact Sciessent LLC to determine the appropriate amount of Agion® Silver Antimicrobial Type AJ for individual finished products. Types of coatings include water-borne, solvent-borne, 100% solids, radiation cure, liquid and powder.

Food contact* and non-food contact uses (in all food contact cases, when the article itself is a FDA-approved polymer, or as a FDA-approved polymer coating, film or laminate on an article):
- packaging
- paper products (including wipes and tissues)
- food wrap (including coated deli paper, coated meat interleavers and plastic wrap)
- natural and synthetic fibers and fabrics
- sinks
- countertops
- cutting boards
- dishes
- cookware
- general purpose containers
- kitchen, commercial and industrial utensils and supplies
- collection and storage equipment (including conveyor belts, piping systems, silos, tanks and process vessels)
- appliances and food processing equipment (including slicers, formers, juicers, washers, canners, freezers, refrigerators, shelving, cookers, grinders, choppers, peelers and countertops)
- beverage processing equipment (including mixers, transfer equipment, pumps, bottlers, canners and fermenters and dispensers)
- building materials and components (including walls, hardware, floors, ceilings and components thereof for kitchen, commercial and industrial applications)

Non-food contact uses only:
- walls
- wallboard
- floors
- concrete
- siding
- roofing
- shingles
- industrial equipment
- furniture
- automotive and vehicular parts
- packaging
- paper products (including wall coverings, towels, book covers)
- barrier fabrics
- glazing for cement tile
- glazing for vitreous china used in plumbing fixtures (including toilets, sinks, countertops)

Heating, Ventilation and Air Conditioning equipment and related materials (including insulation, ducts, heat exchangers, drain pans, air filters, air purifiers, diffusers, and parts and components thereof)¹
- spas, bathtubs, showers, and filters and components thereof
- Electrical wiring devices and wall plates

Coatings for Upgrade Applications

Upgrade Applications are defined as the incorporation of Agion® Silver Antimicrobial Type AJ into polymeric coatings that are applied to articles onsite (after the article has been manufactured and is in the place of use). Coatings may be used on articles that have not previously incorporated the antimicrobial compound. Agion® Silver Antimicrobial Type AJ may be incorporated into the finished coating at up to 5.0% by weight, or at least 0.1% of the coating. Types of coatings include waterborne coatings/adhesives, solvent borne coatings and two part reactive coatings consisting of a resin and a curing agent. Upgrade Applications are for onsite application at Commercial, Industrial or Institutional Establishments. Unless otherwise specified in the technical bulletin, the coating is applied to the entire article. Contact Sciessen LLC or refer to Agion® Silver Antimicrobial Type AJ Technical Bulletin No. 2 and No. 3 to determine the appropriate application technique and amount of Agion® Silver Antimicrobial Type AJ for individual products.

Food contact* and non-food contact articles (in all food contact cases, when the article itself is a FDA-approved polymer, or as a FDA-approved polymer coating on an article)²:

- food collection, conveyance and storage equipment (including conveyor belts, silos, tanks and process vessels)
- appliances and food processing equipment (including slicers, formers, juicers, washers, canners, freezers, refrigerators, shelving, cookers, grinders, choppers, peelers, and countertops)
- beverage processing and ice machine equipment (including mixers, transfer equipment, pumps, bottlers, canners, fermenters and dispensers and other components)
- food and chemical transportation equipment including railcars, tankers, trailers and components thereof
- building materials and components (including walls, ceilings and floors consisting of concrete, gypsum board, and cellulose ceiling tile)

Incorporate this product into coatings that are intended for application to the surface of articles. The purpose of the coating is to seal the article from moisture and corrosion. The purpose of Agion® Silver Antimicrobial Type AJ in the coating is to inhibit the growth of mold, mildew, fungus and bacteria that cause odor, discoloration, staining, deterioration or corrosion on the surface of the coating film. The product protects the applied coating itself from microorganism attack, not the underlying substrate. This product is not intended for remediation, prevention or control of existing or anticipated public health related microorganisms. Refer to Agion® Silver Antimicrobial Type AJ Technical Bulletin No. 2 for complete application directions.

HVAC articles³:

- Heating, ventilation and air conditioning systems and related materials including air handlers, drain pans, heat exchangers, distribution lines, flexible ductwork, diffusers, and insulation lined porous ductwork.

Incorporate this product into coatings that are intended for application to HVAC systems. The purpose of the coating is to seal the HVAC system from moisture and corrosion. The purpose of Agion® Silver Antimicrobial Type AJ in the coating is to inhibit the growth of mold, mildew, fungus and bacteria that cause odor, discoloration, staining, deterioration or corrosion on the surface of the coating film. The product protects the applied coating itself from microorganism attack, not the underlying substrate. This product is not intended for remediation, prevention or control of existing or anticipated public health related microorganisms. Refer to Agion® Silver Antimicrobial Type AJ Technical Bulletin No. 3 for complete application directions.

² For these listed applications, refer to Agion® Silver Antimicrobial Type AJ Technical Bulletin No. 2 – Technical Bulletin for Agion® Silver Antimicrobial Type AJ Polymeric Coating for Non-Residential, Non-HVAC Upgrade Applications.
³ For these listed HVAC Applications, refer to Agion® Silver Antimicrobial Type AJ Technical Bulletin No. 3 – Technical Bulletin for Agion® Silver Antimicrobial Type AJ Polymeric Coating for Non-Residential, HVAC Upgrade Applications.
**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 0.1% for bulk plastics. Contact Scieessent LLC to determine the appropriate amount of Agion® Silver Antimicrobial Type AJ for individual finished products.

**Food contact** and non-food contact uses (in all food contact cases, when the article itself is a FDA-approved polymer incorporated into FDA-approved adhesives or sealants):
- plumbing adhesives
- pipe sealants and insulating materials
- grout and joint compound for; countertops, building materials and components, and food and beverage related equipment

**Non-food contact uses only:**
- adhesives used in the manufacture of wood and plastic composites
- adhesives for ceramic tile, wood, paper, cardboard, rubber and plastic
- glazing for windows
- grout
- sealants for pipes
- adhesives, sealants and insulating materials for; appliances, bathrooms, showers, kitchens and construction

**Miscellaneous Applications**
The additive may be incorporated into the finished product at up to 5.0% by weight. Contact Scieessent LLC to determine the appropriate amount of Agion® Silver Antimicrobial Type AJ for individual finished products.

**Non-food contact uses only:**
- toilets
- sinks
- tile
- flooring
- stucco
- plaster
- cat litter
- drainage and sewerage pipe
- interior paints and coatings
PRECAUTIONARY STATEMENTS

Hazards to Humans: 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. Remove contaminated clothing and wash clothing before reuse.

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| **If on skin or clothing** | • 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** | • 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 inhaled** | • Move person to fresh air.  
• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.  
• Call a poison control center or doctor for further treatment advice. |
| **If swallowed** | • Call 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 the poison control center or doctor.  
• Do not give anything by mouth to an unconscious person. |

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 and disposal.

**Pesticide Storage:** Do not store in areas accessible to children. Keep product dry and containers covered during storage; store below 130°F.

**Container Disposal:** 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.

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