

Antimicrobial AlphaSan[®] RC 5000

An antimicrobial additive especially designed to withstand high temperatures in the manufacture of plastics, films, fibers, polymeric materials and ceramics.

This product is not approved for any food contact or human drinking water contact uses in the United States.

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Active Ingredient:	
Silver sodium hydrogen zirconium phosphate*	99.9%
Other ingredients	0.1%
TOTAL:	100.0%

*Contains 3.8% silver, weight/weight

DIRECTIONS FOR USE:

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. *Antimicrobial AlphaSan[®] RC 5000* is an antimicrobial powder for commercial use. It is designed to be incorporated into the materials listed below during the manufacturing process to impart antimicrobial activity to the manufactured products. *Antimicrobial AlphaSan[®] RC 5000* suppresses the growth of bacteria, algae, fungus, mold and mildew. **This product is not approved for any food contact or human drinking water contact uses in the United States.**

If growth of bacteria and mold in the finished product could lead to unpleasant odors and discoloration of the product, then such a claim may be made. Finished products containing *Antimicrobial AlphaSan[®] RC 5000* may not make public health claims relating to antimicrobial activity without EPA pesticide registration.

1) **Plastics, including films, sheets, slabs, and molded plastic parts:** Including poly(ester (PET, PBT, and PEN), polyamide (Nylon), polyimide, polypropylene (PP), polyethylene (PE), polybutylene, polymethylpentene (PMP), polysiloxane, polyvinyl alcohol (PVOH), polyvinylacetate (PVA), ethylene-vinylacetate (EVA), polyvinyl chloride (PVC), polyvinylidene chloride (PVDC), epoxy, phenolic, polycarbonate, cellulose, cellulose acetate, polystyrene, polyurethane, acrylics, polymethyl methacrylate, acrylonitrile-butadiene-styrene copolymer (ABS), acrylonitrile-styrene-acrylic copolymers (ASA), acetals, polyketones, polyphenylene ether, polyphenylene sulfide, polyphenylene oxide, polysulfones, liquid crystal polymers and fluoropolymers, and blends and copolymers thereof. **Applications:** Including automobile parts, shower curtains, mats, protective covers, tape, packaging, gaskets, waste containers, general purpose containers, brush handles, sponges, mops, vacuum cleaner bags, insulators, plastic film, indoor and outdoor furniture, tubing, insulation for wire and cable, plumbing supplies and fixtures, siding for housing, liners, non-woven fabrics, kitchen and bathroom hardware, appliances and equipment, countertops, sinks, flooring, floor covering, tiles, conveyor belts, footwear including boots, sports equipment and tools. The additive may be incorporated into the finished product from 0.1% to 2.0% by weight. **This product is not approved for any food contact or human drinking water contact uses in the United States.**

2) **Fibers:** Including acetate, polyester (PET and PTT), polyolefins, polyethylene, polypropylene, polyamide including "Nylon", acrylics, viscose, polyurethane, and "Rayon," and copolymers and blends thereof. **Applications:** Interior furnishings: Mattress cover pads and filling, pillow covers, sheets, blankets, fiberfill for quilts and pillows, curtains, draperies, carpet and carpet underlay, rugs, upholstery, table cloths, napkins, wiping cloths, mops, towels, bags, wall covering fabrics, cushion pads, sleeping bags, and brush bristles. **Transportation:** Automotive and truck upholstery, carpeting, rear decks, trunk liners, convertible tops and interior liners. **Apparel:** Umbrellas, outerwear, uniforms, coats, aprons, sportswear, sleepwear, stockings, socks, hosiery, caps, and undergarments and inner liners for jackets, shoes, gloves and helmets. **Industrial and other Household Items:** Brush bristles, artificial leather, filters, book covers, mops, cloth for sails, ropes, tents and other outdoor equipment, tarps, and awnings. The additive may be incorporated into the finished product from 0.1% to 2.0% by weight. **This product is not approved for any food contact or human drinking water contact uses in the United States.**

3) **Coatings, films and laminates:** Including alkyds, amino resins (melamine formaldehyde and urea formaldehyde) polyester (unsaturated polyester, PET, PBT, and PEN), polyamide (Nylon), polyimide, polypropylene (PP), polyethylene (PE), polybutylene, polymethylpentene (PMP), polysiloxane, polyvinyl alcohol (PVOH), polyvinylacetate (PVA), ethylene-vinylacetate (EVA), polyvinyl chloride (PVC, including plastisol), polyvinylidene chloride (PVDC), epoxy, phenolic, polycarbonate, cellulose, cellulose acetate, polystyrene, polyurethane, acrylics, polymethyl methacrylate, acrylonitrile-butadiene-styrene copolymer (ABS), acrylonitrile-styrene-acrylic copolymers (ASA), acetals, polyketones, polyphenylene ether, polyphenylene sulfide, polyphenylene oxide, polysulfones, liquid crystal polymers and fluoropolymers, and blends and copolymers thereof. **Types of coatings:** water-borne, solvent-borne, 100% solids, radiation cure, and liquid and powder coatings. **Applications:** Including walls, wallboard, floors, concrete, siding, roofing shingles, industrial equipment, natural and synthetic fibers and fabrics, furniture, automotive and vehicular parts, packaging, paper products (wall coverings, towels, book covers), barrier fabrics, and glazing for cement tile and for vitreous china used in plumbing fixtures such as toilets, sinks, and countertops, including kitchen countertops and other countertops. The additive may be incorporated into the finished product from 0.1% to 2.0% by weight. **This product is not approved for any food contact or human drinking water contact uses in the United States.**

4) **Adhesives and sealants:** Including alkyds, amino resins (melamine formaldehyde and urea formaldehyde) polyester (Unsaturated polyester, PET, PBT, and PEN), polyamide (Nylon), polyimide, polypropylene (PP), polyethylene (PE), polybutylene, polymethylpentene (PMP), polysiloxane, polyvinyl alcohol (PVOH), polyvinylacetate (PVA), ethylene-vinylacetate (EVA), polyvinyl chloride (PVC, including plastisol), polyvinylidene chloride (PVDC), epoxy, phenolic, polycarbonate, cellulose, cellulose acetate, polystyrene, polyurethane, acrylics, cyanoacrylates, polymethyl methacrylate, acrylonitrile-butadiene-styrene copolymer (ABS), acrylonitrile-styrene-acrylic copolymers (ASA), acetals, polyketones, polyphenylene ether, polyphenylene sulfide, polyphenylene oxide, polysulfones, liquid crystal polymers and fluoropolymers, and blends and copolymers thereof. **Methods of application:** hot-melt, aqueous, solvent borne, 100% solids, radiation cure. **Applications:** Including 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, and adhesives for packaging. The additive may be incorporated into the finished product from 0.1% to 2.0% by weight. **This product is not approved for any food contact or human drinking water contact uses in the United States.**

5) **Miscellaneous Applications:** Clay, ceramics, concrete, sand, and grout. **Applications:** Toilets, sinks, tile, flooring, stucco, plaster, cat litter, drainage and sewerage pipe. The additive may be incorporated into the finished product from 0.1% to 2.0% by weight. **This product is not approved for any food contact or human drinking water contact uses in the United States.**

Questions: 1-800-345-0372 (8:00 a.m. to 5:00 p.m., Eastern time)

STORAGE AND DISPOSAL

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

Storage: Do not store in areas accessible to children. Keep containers covered during storage and away from water and excessive moisture or humidity.

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

Container Disposal: Completely empty bags into processing equipment where the pesticide is used. Then dispose of empty bag and box in sanitary landfill or by incineration, if allowed by state and local authorities.

WARRANTY STATEMENT

MILLIKEN CHEMICAL warrants that this product conforms to the chemical description on the label. MILLIKEN CHEMICAL makes no warranties of merchantability or fitness for a particular purpose or any other expressed or implied warranty except as stated above

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11631-2

07/17/2000

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ACCEPTED
JUL 17 2000
Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide, registered under EPA Reg. No. 11631-2

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

PRECAUTIONARY STATEMENTS

Hazards to Humans

Causes moderate eye irritation. Do not get in eyes or on clothing. Wash thoroughly with soap and water after handling. Do not breathe dust.

FIRST AID

IF INHALED: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.
IF IN EYES: Hold eyelids open and flush with a steady, gentle stream of water for 15 minutes. Get medical attention.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and other aquatic invertebrates. Do not discharge effluent containing this product into lakes, rivers, streams, ponds, estuaries, marshes, 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 into sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

EPA Reg. No. 11631-2
EPA Est. 070231-JPN-002

Milliken Chemical
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Net Weight 22 lbs (10 kg)