

68317-1

09/28/2000

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# APACIDER - AK

APACIDER-AK is an antimicrobial powder for commercial and industrial use designed to be incorporated into various materials during varying stages of the manufacturing process to preserve the integrity of the manufactured materials. A preservative for use in the manufacture of plastic films, paint (interior), paper coating, adhesive, synthetic fibers and pigments. For more details of the various materials refer to the supplemental labeling for uses of Apacider-AK.

**ACTIVE INGREDIENT:**

Silver as elemental..... 1.50%

**INERT INGREDIENTS:**

Calcium Phosphate..... 98.50%

**CAUTION**  
**KEEP OUT OF REACH OF CHILDREN**

**PRECAUTIONARY STATEMENTS**  
**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**CAUTION:** May be harmful if swallowed. Avoid contact with skin, eyes, or clothing. Avoid contamination of cooking utensils and food preparation surfaces. Causes eye irritation. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

**STATEMENT OF PRACTICAL TREATMENT:** If swallowed, drink one or two glasses of water and induce vomiting by touching the back of the throat with finger. Repeat until vomit fluid is clear. Call a physician or poison control center. Do not induce vomiting or give anything by mouth to an unconscious person. If on skin, remove contaminated clothing and wash affected area with soap and water. If irritation persists, contact a physician. If in eyes, flush eyes for at least 15 minutes with water. If irritation persists contact a physician.

**ENVIRONMENTAL HAZARDS:** This pesticide may be toxic to fish. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or public waters unless this product is specifically identified and addressed in an NPDES permit. Do not discharge effluent containing this product to sewer systems without previously notifying the sewage treatment authority. For guidance contact your State Water Board or Regional Office of the EPA.

**STORAGE AND DISPOSAL, Pesticide Disposal:** Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

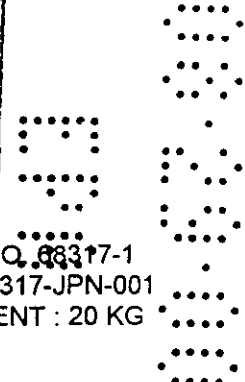
**Container Disposal (paper/bags):** Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by State and Local Authorities, by burning. If burned, stay out of smoke.

**Container Disposal (plastic):** Completely empty contents into application equipment, then triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill or by incineration, or, if allowed by State and Local Authorities, by burning. If burned, stay out of smoke.

**MANUFACTURED FOR:**  
SANGI AMERICA  
1772 AVENIDA DE LOS ARBOLES #J202  
THOUSAND OAKS, CALIFORNIA 91362  
TEL: (805) 529-0933 FROM 8:00AM~6:00PM PT  
FAX: (805)529-0933  
EMAIL: sangi@gte.net  
www.sangiamerica.com  
QUESTION? NPTN HOTLINE 1-800-858-7378

**ACCEPTED**  
SEP 28 2000  
Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide, registered under EPA Reg. No. 68317-1

EPA REG. NO. 68317-1  
EST. NO. 68317-JPN-001  
NET CONTENT : 20 KG



# APACIDER - AK

## DIRECTIONS FOR USE

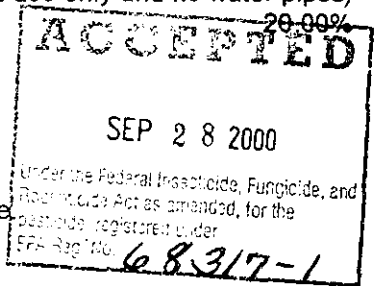
It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

## BLENDING AND FORMULATING INSTRUCTIONS FOR THE LISTED MATERIALS

APACIDER - AK is a silver, calcium phosphate antimicrobial powder designed to be incorporated into various materials at various stages of their manufacturing process to preserve the integrity of the manufactured materials. The powder can be incorporated into the materials as an integral part of the finished products throughout their entire thickness, or as a film over the surfaces of the manufactured materials, depending on the particular method of manufacture of the finished materials and needs of the manufacturer.

APACIDER - AK may be incorporated into the following materials at the specified Maximum Inhibitory Concentrations (MIC) on a dry powder weight basis of finished products.

	<u>APPLICATION</u>	<u>MIC</u>
<b>PLASTIC FILM:</b>	Polyethylene, Polypropylene, Polyvinyl chloride, Polyacetate, Polyurethane and Polyester. (non-food use only and no water pipes)	20.00%
<b>PAINT:</b> 5.00%	Water base and Oil base. For Interior surfaces & furniture.	
<b>PLASTIC FIBERS:</b> 20.00%	Polyethylene, Polyester, Nylon, Acrylic, Polyurethane and Polypropylene	
<b>PLASTIC SHEETS:</b>	Melamine, Epoxy, Phenol, Polycarbonate, Polyurethane, Acrylic, Methylmethacrylate, Acrylonitrile butadiene styrene copolymer and Polyvinyl acetate, Polyvinyl chloride, Polyethylene terephthalate.	20.00%
<b>PAPER COATING:</b> 3.00%	Cellulose, Synthetic, Specialty, Reinforced. (non food packaging paper, no food contact, not for paper production use)	
<b>TEXTILE:</b>	Dyes, Pigments, Dispersants, Coatings. Finishing and Manufacturing.	3.00%
<b>NON-WOVENS:</b>	Polypropylene, Polyethylene, Polyester, Polyvinyl chloride, Polyurethane and Nylon.	
<b>FLEXIBLE TUBING:</b> 20.00%	Silicon rubber, Polyvinyl chloride, Polyethylene. (non-food contact)	
<b>ADHESIVES:</b> 3.00%	Natural and synthetic adhesives. (non-food contact)	



For details in blending APACIDER - AK with these materials refer to supplemental labeling.

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# APACIDER-AK

## SUPPLEMENTAL LABELING

Claims: Apacider - AK is to be incorporated into the following materials at suitable stages of the manufacturing process to impart antimicrobial activity to the treated materials, and thus make them suppress the growth of bacteria and mold responsible for unpleasant odors and discoloration of the treated materials.

**FIBERS:** Polyester, Polypropylene, Nylon, Polyethylene, Acrylic, Rayon, Polyurethane  
**Applications:** Mattress cover pads, quilt and pillow fiber fill, curtain and drapery, carpet and carpet underlay, upholstery, wiping cloths, towels, bags, wallcover fabrics, cushion pads, sound proofing, laminate in automobiles, ball point pens and telephones, sheets, blankets, toilet seat covers, Interlinings, coats, aprons, helmets, gloves, clothing, awnings, tents, shades and construction fabrics, industrial & military, uniforms, sportswear, stockings, socks, caps, fabrics, brush bristles, artificial leather, book covers, sail cloth, ropes, shoe linings and filters (air and cold water, non food contact).

**PLASTIC SHEETS:** 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, Polyvinyl chloride.  
**Applications:** Gloves, shower curtains, cable wraps, protective covers, non-food contact foam containers, brush handles, sponges, insulators, gaskets, non-food tubing, non-food contact containers and film, furniture, toys, bathroom utensils, kitchen & bath hardware, garden furniture & utensils, slippers, roof liners, and pool liners, electronic equipment casing, keyboards and other components.

**PAPER COATINGS:** Cellulosic, Synthetic, Specialty, Reinforced.  
**Applications:** (not for food packaging or for food contact): Wallpaper, non-food wrap, wiping towels, book covers, corrugated paper filters, storage boxes, bags, folders, filing covers.

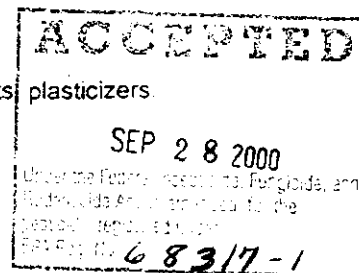
**PAINT:** Water based, Oil based paints.  
**Applications:** For interior surfaces (not for exterior paint), paint preservers, viscosity agents, plasticizers.

**TEXTILE:** Dyes, Pigments, Dispersion agents, Synthetic coatings.  
**Applications:** Dyeing and finishing operations.

**ADHESIVES:** Latex, Epoxy, Acrylic, Polyvinyl chloride, Glues.  
**Applications:** (not for adhesives for paper or containers that will come in contact with food). Adhesive for plywood manufacture, adhesive for cement tile and sealants, wallpaper glues, fiber binders, laminate adhesives, footwear adhesives.

**NON-WOVEN:** Polypropylene, Polyethylene, Polyester, Polyvinylchloride, Polyurethane and Nylon.  
**Applications:** Interlinings, cushion material, padding, underlay, towel wipe, diaper fill, reinforcing material, decoration material, substrates.

**FLEXIBLE TUBING:** Silicon rubber, Polyvinylchloride, Polyethylene,  
**Applications:** (non-food contact) Industrial, household, agricultural tubes.



**STATEMENT OF WARRANTY AND DISCLAIMER:** Seller warrants that the product conforms to its chemical description and is reasonably fit for the purpose stated on the label when used in accordance with the directions under normal conditions of use, neither this warranty nor any other warranty of MERCHANTABILITY nor FITNESS FOR A PARTICULAR PURPOSE expressed or implied extends to the use of this product contrary to labeling instructions or under abnormal conditions, or under conditions not reasonably foreseeable to seller and buyer assumes the risk of any such use. Any damages arising from breach of this warranty shall be limited to direct damages and shall not include consequential commercial damages such as loss of profits or values or any other special or indirect damages.