

68317-2

5-5-2003

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APACIDER - AW

APACIDER-AW 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-AW.

ACTIVE INGREDIENT:

Silver as elemental.....2.03%

INERT INGREDIENTS:

Zinc Calcium Phosphate and Silica.97.97%

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.

First Aid Statements

If swallowed

- Call a poison control center or doctor immediately for treatment advice.
- Have person to 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 by mouth to an unconscious person.

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 inhaled:

Move person to fresh air.

- If person is not breathing, call 911 or ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.
- Call a poison control center or doctor for further 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.

MANUFACTURED FOR:

SANGI Company, Ltd.

6F Tsukiji 3-11-6

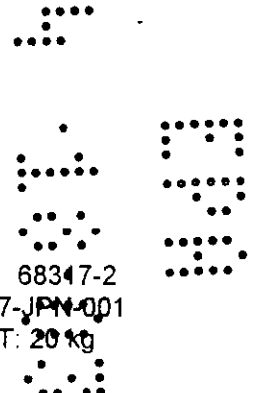
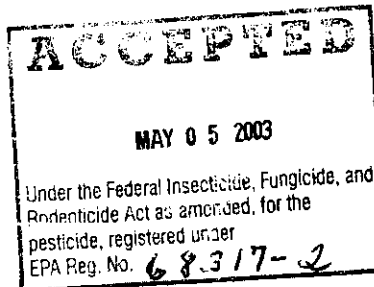
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APACIDER - AW

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 - AW is a silver, zinc calcium phosphate with silica, 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 - AW may be incorporated into the following materials at the specified Maximum Inhibitory Concentrations (MIC) on a dry weight basis of finished products.

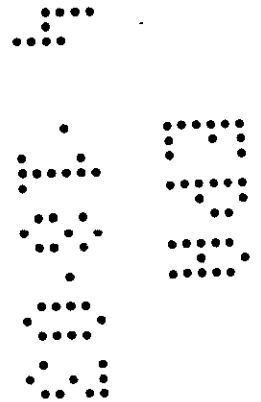
	<u>APPLICATION</u>	<u>MIC</u>
PLASTIC FILM:	Polyethylene, Polypropylene, Polyvinyl chloride, Polyacetate, Polyurethane and Polyester. (non-food use only and no water pipes)	20.00%
PAINT:	Water base and solvent base. For Interior surfaces & furniture.	5.00%
PLASTIC FIBERS:	Polyethylene, Polyester, Nylon,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

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

ACCEPTED

MAY 05 2003

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide, registered under EPA Reg. No. 68-317-2



SUPPLEMENTAL LABELING

Claims: Apacider - AW 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
Applications: Home Furnishings: Mattress cover pads, quilt and pillow fiber fill, curtain and drapery, carpet and carpet underlay, upholstery, wiping cloths, towels, bags, wall cover fabrics, cushion pads, sound proofing, laminate in automobiles, ball point pens and telephones.
Apparel: Interlinings, coats and aprons, helmets, gloves, awnings, tents, shades and construction fabrics.
Industrial: brush bristles, artificial leather, filter (non-food contact), book covers, sail cloth, ropes.

ACCEPTED

MAY 05 2003

under the Federal Insecticide, Fungicide, and
Pesticide Act as amended, for the
EPA Reg. No. 68317-2

PLASTIC FILMS AND MOLDED PLASTICS:
Types: 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.

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) textile dyeing and finishing operations, paint preservers, viscosity agents, plasticizers.

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

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.

PESTICIDE DISPOSAL: Pesticide waste 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): Triple rinsate (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

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, but 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.