

PM 33

68317-

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11/12/97

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

NOV 12 1997

Sangi America, Inc.
516 N. Pennsfield Place #109
Thousand Oaks, CA 91360

Attention: Dr. Bruce Driscoll
Vice President

Subject: Apacider AK (For Water Filter Media)*
EPA Registration No. 68317-4
Application Dated October 1, 1997

The amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, to correct the label verbiage under the product name, is acceptable, subject to the comments listed below:

1. On the front panel under the product name, revise the descriptive statement to read:

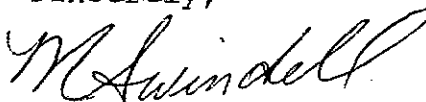
"Apacider-AK (For Water Filters Media)* is to be used for manufacturing or fabricating bacteriostatic water filter media".

2. One copy of the final printed labeling must be submitted prior to releasing the product for shipment.

A stamped copy of the labeling is enclosed for your records.

If you have any questions concerning this letter, please contact Martha Terry at (703) 308-6217.

Sincerely,

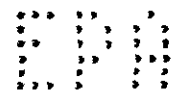


Marshall Swindell
Acting Product Manager 33
Regulatory Management Branch 1
Antimicrobial Division 7510W

Enclosure

CONCURRENCES

SYMBOL							
SURNAME							
DATE							



(Front Panel Label)
APACIDER - AK (FOR WATER FILTERS/MEDIA)*

APACIDER-AK (For Water Filters Media)* is *to be used for*
[REDACTED]
[REDACTED] manufacturing
[REDACTED] water filter media.
[REDACTED]

or fabricating bacteriostatic

ACTIVE INGREDIENT:
Silver as elemental ----- 1.50%
INERT INGREDIENTS: ----- 98.50%

ACCEPTED
with COMMENTS
in EPA Letter Dated:
NOV 12 1997

KEEP OUT OF REACH OF CHILDREN
CAUTION

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
amended, for the pesticide,
registered under EPA Reg. No.
68317-4

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): Triple rinse (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.

MANUFACTURED BY:
SANGI AMERICA, INC.
516 N. PENNSFIELD PLACE # 109
THOUSAND OAKS, CALIFORNIA 91360

EPA REG NO. 68317-4
EST. NO. 68317-JPN-001
Net Content: 20 kg

ACCEPTED
with COMMENTS
in EPA Letter Dated:

NOV 12 1997

Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
amended, for the pesticide,
registered under EPA Reg. No. 68317-4

(Back Panel)

APACIDER - AK (For Water Filters Media)*

DIRECTIONS FOR USE

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

APACIDER-AK (For Water Filters/Media)* is to be used only for manufacturing
or fabricating bacteriostatic water filter media. Filter manufacturers or
formulators who use this product are responsible for providing data to the
United States Environmental Protection Agency (EPA) to support the registra-
tion of their end use products.

**BLENDING AND FORMULATING INSTRUCTIONS
FOR THE LISTED MATERIALS**

APACIDER - AK (For Water Filters/Media)* is a product containing silver as the
active ingredient 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 (For Water Filters/Media) 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>
Filter:	Activated Carbon, porous ceramic, non-woven fiber, porous plastic foam for (cold human drinking water only) or non-human drinking water.	5.00%
Filter:	Suitable material for plant water recycling processes (non-human)	20.00%
Claims:	Apacider - AK (For Water Filters/Media)* is to be incorporated into the above materials at suitable stages of the manufacturing process to protect the treated materials.	

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.

* For cold water, human drinking water purposes and/or non-human
drinking water filters, or filters materials.

Products containing APACIDER-AK (for water filters/Media) may not make claims of
public safety by antimicrobial activities other than protection of the article
itself against growth of bacteria and mold in the treated article. If growth of
bacterial and mold in the treated article would lead to unpleasant odors and
discoloration of the treated article, then such claims of material benefit may
be made.