

SEP 02 1988

Maril Products, Inc.
620 South B Street, Suite A
Tustin, CA 92680

Attention: James Swins
Vice President

Gentlemen:

Subject: Physan 20
EPA Registration No. 55364-5
Your Submission Dated April 28, 1988

The amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable provided that you make the labeling change listed below before you release the product for shipment bearing the amended labeling:

- 1. Revise Adenovirus Type 2 to read Adenovirus Type 5.

Note: Based upon the reference file from Stepan.

- 2. Revise the entire Environmental Hazards section to read:

Environmental Hazards

This pesticide is 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 plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

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CONCURRENCES

SYMBOL							
SURNAME							
DATE							

3. Delete the statement: **General Classification.**
4. Correct the spelling of the word "Inconsistent."
5. Delete the statement:

**Measures against circulatory shock
respiratory depression and convulsion
may be needed.**

6. Revise the Sanitization heading to read:

Sanitization (food contact surfaces).

7. Expand the swimming pool algicide section to include:

- indicate the place of application (e.g., apply to water along pool edge);
- indicate the minimum time interval before reentry of swimmers after algicide application; and
- indicate precleaning instructions if necessary to ensure proper performance of product.

8. Delete the statement: **Fish and Wildlife Precautions.**

Your release for shipment of the product bearing the amended labeling constitutes acceptance of these conditions.

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

If you have any questions concerning this letter, contact Valdis Goncarous at (703) 557-3663.

Sincerely yours,

John H. Lee
Product Manager (31)
Antimicrobial Program Branch
Registration Division (TS-767C)



DISINFECTANT - SANITIZER - DEODORIZER
FUNGICIDE - ALGAEICIDE
*VIRUCIDE **

ACTIVE INGREDIENTS:

- n-alkyl (60% C₁₄, 30% C₁₆, 5% C₁₂, 5% C₁₈)
 dimethyl benzyl ammonium chloride 10%
- n-alkyl (68% C₁₂, 32% C₁₄) dimethyl ethyl-
 benzyl ammonium chloride 10%

INERT INGREDIENTS: 80%
100%

PHYSAN 20 is a concentrate and must be diluted before using.

KEEP OUT OF REACH OF CHILDREN
DANGER

STATEMENT OF PRACTICAL TREATMENT

In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. For eyes, call a physician. Remove and wash contaminated clothing before reuse.

If swallowed, drink promptly a large quantity of milk, egg whites, gelatin solution, or — if these are not available — drink large quantities of water. Avoid alcohol. Call a physician immediately.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiration de-

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Apply PHYSAN 20 with a cloth, mop, mechanical spray or by immersion. Treated surfaces must be thoroughly wet and allowed to remain wet for 10 minutes. Fresh solution should be prepared daily or when solution becomes visibly dirty.

General Disinfection - to disinfect previously cleaned hard, non porous, inanimate surfaces (such as walls, floors, table tops and lavatories) prepare a solution of $\frac{1}{2}$ ounce of PHYSAN 20 in one gallon of water (equivalent to 780 ppm active quaternary).

At this use level PHYSAN 20 is effective against Staphylococcus aureus, Salmonella choleraesuis and Pseudomonas aeruginosa.

Virucidal Activity*- PHYSAN 20 when used at $\frac{1}{2}$ ounce per gallon of water is effective against Influenza A₂/Asian Virus (representative of the flu virus), Adenovirus Type 15 (causative agent for upper respiratory infection), Herpes Simplex Virus Type 1 (causative agent of fever blisters and Mononucleosis) and Vaccinia Virus (representative of the pox virus group).

Sanitization - For sanitizing food processing equipment, dairy equipment, glasses, eating utensils, sink tops and other hard, non-porous, inanimate surfaces.

Wash and rinse all food contact surfaces thoroughly then apply a solution of 1 ounce PHYSAN 20 in 8 gallons of water (200 ppm active quaternary). Surfaces should remain wet for one minute, then allowed to drain or air dry, No potable water rinse is required. Fresh solution should be prepared daily or when use solution becomes visibly dirty.

Apply to sink tops, chopping blocks, countertops, tanks and other stationary hard surfaces by cloth, brush or mechanical device.

Dishes, eating utensils, glasses and small equipment can be immersed in a solution of $\frac{1}{2}$ ounce PHYSAN 20 in 4 gallons of water. No potable water rinse is required.

PHYSAN 20 is an effective sanitizer when diluted in water up to 750 ppm hardness (CaCO₃).

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PHYSAN 20
LEFT PANEL

ACCEPTED
with conditions
in full

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GREENHOUSES:

Refer to product bulletin #188, "PHYSAN 20 - General Greenhouse Disinfectant" to use PHYSAN 20 for control of plant pathogens and algae on environmental inanimate hard surfaces in greenhouses.

SWIMMING POOL ALGAE CONTROL:

Initial dose should be 2 quarts PHYSAN 20 per 50,000 gallons of water (or 13 ounces per 10,000 gallons of water) followed by cleaning out settled algae next day and retreatment at the same dosage. This is repeated until the pool is clear of visible algae. Then 1 pint of PHYSAN 20 per 50,000 gallons of water (or 3 1/5 ounces per 10,000 gallons of water) is used every 5-7 days to maintain control.

PRECAUTIONARY STATEMENTS:

Hazards to Humans and Domestic Animals

Keep out of reach of children. Corrosive. Causes severe eye and skin damage. Do not get in eyes, on skin or on clothing. Wear goggles or face shield and rubber gloves when handling. Harmful if swallowed. Avoid contamination of food.

ENVIRONMENTAL HAZARDS:

Fish and Wildlife Precautions

This pesticide is toxic to fish. Do not discharge into lakes, streams, ponds or public waters. Do not contaminate water by cleaning of equipment or disposal of waste.

STORAGE AND DISPOSAL:

- Do not contaminate water, food or feed by storage or disposal.
- Do not store on side.
- Do not reuse empty container.

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PESTICIDE DISPOSAL:

Pesticide wastes are acutely hazardous. Improper disposal of pesticide spray or mixture of 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 Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL:

Do not reuse container. Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in sanitary landfill, or incineration, or if allowed by state or local authorities by burning. If burned, stay out of smoke.

MANUFACTURED BY:
MARIL PRODUCTS, INC. (714) 544-7719