

464-78

11/5/2002

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

1/3

NOV - 5. 2002

Rhonda Vance-Moeser  
Senior Regulatory Specialist  
The Dow Chemical Company  
1803 Building  
Midland, MI 48674

Subject: DOWICIDE A Antimicrobial  
EPA Registration No 464-78  
Application Date: October 21, 2002  
Receipt Date: October 25, 2002

Dear Ms. Vance-Moeser:

This acknowledges receipt of your notification, submitted under the provision of PR Notice 98-10, FIFRA section 3(c)9.

**Proposed Notification**

- Notification to add language to the label

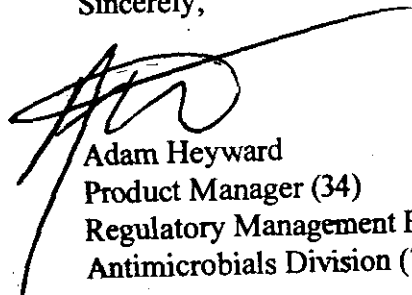
**General Comments**

Based on a review of the material submitted, the following comments apply:

The notification is acceptable and a copy has been inserted in your file for future reference.

Should you have any questions or comments concerning this letter, please contact me at (703) 308-6422.

Sincerely,



Adam Heyward  
Product Manager (34)  
Regulatory Management Branch II  
Antimicrobials Division (7510C)

CONCURRENCES

SYMBOL	7510C						
SURNAME	A. Heyward						
DATE	11-5-02						

2/3

WORKING L

175/11594 CRCG LJ 7/24/02  
16" x 6 3/4" x 29.1/2

  
**DOWICIDE A**  
**ANTIMICROBIAL**



# DOWICIDE<sup>\*</sup> A ANTIMICROBIAL

For the control of fungi and bacteria in industrial applications, and for postharvest preservation of pears and citrus fruits.

Active ingredient(s):  
Sodium orthophenylphenate, tetrahydrate .....97%  
Inert ingredient(s):.....3%  
Total .....100%  
E.P.A. Registration No. 484-7B E.P.A. Est. 484-MI-1

#### PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals  
**CORROSIVE TO SKIN • INJURIOUS TO EYES • IRRITATING DUST • HARMFUL IF SWALLOWED**  
Do Not Get In Eyes, on Skin, or on Clothing • Avoid Breathing Dusts • Wear Goggles or Face Shield and Rubber Gloves When Handling • Wash Thoroughly After Handling

**KEEP OUT OF REACH OF CHILDREN**

**DANGER**

#### FIRST AID

<b>IF IN EYES</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 30 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call poison control center or doctor (preferably ophthalmologist) for treatment advice.</li> </ul>
<b>IF ON SKIN OR CLOTHING</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 30 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>IF SWALLOWED</b>	<ul style="list-style-type: none"> <li>• Call poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to do so.</li> <li>• Do not induce vomiting unless told to do so by the poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
<b>IF INHALED</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>

#### HOT LINE NUMBER

IN CASE OF AN EMERGENCY endangering life or property involving this product, call collect 989-636-4400. Have the product container or label with you when calling a poison control center or doctor or going for treatment.

#### Environmental Hazards

This pesticide is toxic to fish and aquatic organisms. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, 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 to sewer.



**CORROSIVE SOLID, N.O.S.**  
(Sodium Orthophenylphenate Tetrahydrate)  
UN1759

NOTIFICATION  
Date Reviewed: 7/26/02  
Reviewed By: S. G. [unclear]

**DOWICIDE<sup>\*</sup> A**  
**ANTIMICROBIAL**

# DOWICIDE A ANTIMICROBIAL

## DIRECTIONS FOR USE

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

Only for (1) postharvest preservation of pears and citrus fruits or industrial uses as specified on this label; (2) uses for which USEPA has accepted the required data and/or citation of data that the formulator has submitted in support of registration; or (3) uses for experimental purposes that are in compliance with USEPA requirements.

If exposed to air for prolonged periods, this material may give a cloudy solution in water. Such cloudiness may be minimized by adding sufficient caustic (sodium hydroxide).

DOWICIDE A Antimicrobial, when used according to good manufacturing practices, meets the requirements of the FDA for use in resinous and polymeric coatings: can and cements (21 CFR 175.300(b)(3)(xxvii)); adhesives (21 CFR 175.105(c)(9)); animal glue (21 CFR 175.312(d)(3)); zinc-silicon dioxide matrix coatings (21 CFR 175.390(b)(2)); components of paper and paperboard in contact with aqueous and fatty foods (21 CFR

175.170(b)(2)); components of paper and paperboard in contact with dry food (21 CFR 175.180(b)(1)); delaminating agents used in the manufacture of paper and paperboard (21 CFR 175.210(d)(3)); and closures with sealing gaskets for food containers (21 CFR 177.1210(b)(5)).

DOWICIDE A Antimicrobial also appears in the "List of Chemical Compounds Authorized for Use Under USDA Inspection and Grading Programs" as a sanitizer for all surfaces. After using the product, the treated surfaces must be rinsed thoroughly with potable water before operations are resumed.

**NOTE: PRODUCERS USING THIS PRODUCT TO FORMULATE PESTICIDES ARE RESPONSIBLE FOR OBTAINING EPA REGISTRATION FOR THEIR FORMULATED PRODUCTS.**

**POSTHARVEST PRESERVATION-Pears and CITRUS FRUITS**

For postharvest preservation of pears and citrus fruits, use 0.05-3.0% DOWICIDE A by wt in an aqueous solution or in an approved wax emulsion. Apply by spraying, dipping, or flooding.

## INDUSTRIAL APPLICATIONS

Application	Purpose	Suggested Concentration of DOWICIDE A	How to Apply
Adhesives	To protect adhesives based on starch, protein, natural and synthetic gums, and natural and synthetic rubber latex from deterioration during manufacture, storage, and service life.	0.05-1.0% by wt of DOWICIDE A.	Add as a concentrated aqueous solution to the formulation.
Ceramic Glazes and Clay Slips	To prevent bacterial decomposition.	0.05-0.13% by wt of formulation.	Add to ingredients of formulation as they are charged into ball mill.
Chemical Toilets	To control odors in chemical toilets on buses, trains, and airplanes.	1.0-1.5 oz per quart of water.	Disperse antimicrobial in water.
Construction Material Preservation <small>NOT REGISTERED FOR THIS USE IN CALIFORNIA</small>	To control the growth of fungi and bacteria in building materials such as mastics, caulks, joint cements, spackling, grouting and concrete admixtures.	0.025-0.4% by wt of formulation.	Add at a suitable point during the manufacture. DOWICIDE A may be premixed with water prior to addition to reduce incorporation time into the formulation.
Fire Extinguisher Solutions	To preserve foam-type solutions.	0.25-0.5% by wt of solution.	Add antimicrobial to solution.
Floor Wax Emulsions	For shelf preservation.	0.1-0.5% by wt of emulsion.	Add to water phase of emulsion during formulating process.
Ink	For shelf preservation of dye-ink-based watercolor printing inks.	0.025-0.5% by wt of formulation.	Add as a concentrated aqueous solution to the formulation.
Polymer Latex Dispersions and Emulsions <small>NOT REGISTERED FOR THIS USE IN CALIFORNIA</small>	To preserve synthetic and natural polymer latexes in manufacture and storage, including acrylic, styrene/butadiene, styrene/acrylonitrile, vinyl acrylic and blockpolymer based systems.	Add 0.1-1.0% by wt of emulsion.	Add to the latex or solutions slowly with agitation by premixing into a concentrated aqueous solution.
Laundry Starch	To preserve liquid starch during shelf and use life.	0.025-0.2% by wt of formulation.	Add as a concentrated aqueous solution to the formulation.
Leather	To prevent slippage of hair on lurs in soaking liquors; to prevent deterioration of treating and finishing formulations.	One part per 15 parts of water for soaking liquors. 0.5% to 1.0% by wt for pastes, dressings, and finishes.	Add as a concentrated aqueous solution to the formulation.
Metalworking Fluids <small>NOT REGISTERED FOR THIS USE IN CALIFORNIA</small>	To prevent decomposition of oils, emulsifying agents, and other components.	Add DOWICIDE A to yield 0.05 to 0.5% by wt in dilute metalworking fluid.	Add as a concentrated aqueous solution to the use dilution of the metalworking fluid or to the concentrate prior to dilution.
Paints	For preservation of noncomposable raw material solutions or dispersions during paint manufacturing or storage. For shelf preservation of water based paints.	Minimum of 0.0% by wt of DOWICIDE A.	Add as a concentrated aqueous solution to the formulation.
Polyvinyl Alcohol	To preserve solutions of the alcohol.	0.8-0.8% by wt of solution.	Add antimicrobial to solution.
Pulp and Paper	To preserve coatings, sizings, and printing colors based on starch, animal and vegetable protein, and latex.	0.1-1.0% by wt of material preserved.	Add as a concentrated aqueous solution.
Slurries <small>NOT REGISTERED FOR THIS USE IN CALIFORNIA</small>	To control the growth of fungi and bacteria in aqueous based slurries.	Add 0.015-0.5% by wt of slurry.	Add as a concentrated aqueous solution at a suitable point during the manufacture, container loading/filling, or shipment storage of the slurry.
Textiles	To preserve processing materials and finished yarns and cloth during storage.	0.1-0.75% by wt of materials treated.	Add as a concentrated aqueous solution.

## STORAGE AND HANDLING