

464-78

12/21/99

Page 186

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

DEC 21 1999

Gregory J. Bradley
The Dow Chemical Company
2030 Dow Center
Midland, Michigan 48674

Dear Mr. Bradley:

Subject: Added New Use (Polymer Latex Dispersion/Emulsion)
Dowicide* A Antimicrobial
EPA Registration No. 464-78
Amendment application of September 16, 1999

The amendment referred to above, submitted in connection with registration under FIFRA sec. 3(c)(7)(A), is acceptable provided that you:

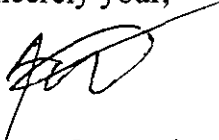
1. Submit and/or cite all data or material required for registration/reregistration of your product under FIFRA sec. 3(c)(5) or FIFRA sec.4 when the Agency requires all registrants of similar products to submit such data.
2. Submit two copies of your final printed labeling before you release the product for shipment. Refer to the A-79 Enclosure for further description of final printed labeling.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

CONCURRENCES							
SYMBOL							
SURNAME							
DATE							

A stamped copy of the label is enclosed for you records.

Sincerely your,



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

Enclosure

DOWICIDE* A Antimicrobial

Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
amended, for the pesticide,
registered under EPA Reg. No. 464-78

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

Active Ingredients:

Sodium orthophenylphenate, tetrahydrate 97%

Inert Ingredients: 3%

E.P.A. Registration No. 464-78

E.P.A. Est. 464-MI-1

KEEP OUT OF REACH OF CHILDREN

DANGER

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**

Statements of Practical Treatment

In case of eye contact, immediately wash eyes with flowing water for 15 minutes. Call a physician.

In case of skin contact, immediately flush skin with plenty of water for at least 15 minutes and get medical attention if irritation persists. Remove contaminated clothing and shoes. Wash clothing before reuse. Destroy contaminated shoes.

If swallowed, Call a doctor or get medical attention. Do not induce vomiting or give anything by mouth to an unconscious person. Drink promptly a large quantity of milk, eggwhites, gelatin solution, or if these are not available, drink large quantities of water. Avoid alcohol.

Anyone experiencing noticeable ill effects from breathing the dust of this material should be removed to fresh air.

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

4 7 6

FINAL LABEL
DOWICIDE* A Antimicrobial
September 16, 1999
Page 2 of 4

writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA. Do not contaminate water by cleaning of equipment or disposal of wastes.

IN CASE OF AN EMERGENCY

endangering life or property involving this product, call collect 517-636-4400

ACCEPTED
with COMMENTS
in EPA Letter Dated:
DEC 21 1999

NOTICE

Do Not Ship or Store with Food, Feeds, Drugs, or Clothing

Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
amended, for the pesticide,
registered under EPA Reg. No.
464-78

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with the 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 end cements [21 CFR 175.300(b)(3)(xxxi)]; adhesives [21 CFR 175.105(c)(5)]; animal glue [21 CFR 178.3120(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 176.170(b)(2)]; components of paper and paperboard in contact with dry food [21 CFR 176.180(b)(1)]; defoaming agents used in the manufacture of paper and paperboard [21 CFR 176.210(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 0.05-3.09% 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.

FINAL LABEL
DOWICIDE* A Antimicrobial
September 16, 1999
Page 3 of 4

DEC 21 1999

Under the Federal Insecticide,
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464-78

Ceramic Glazes and Clay Slips	To prevent bacterial decomposition.	0.05-0.19% 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.	Dissolve antimicrobial in water.
Construction Material Preservation	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 dextrin-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	To preserve synthetic and natural polymer latices in manufacture and storage; including acrylic, styrene/butadiene, ethylene/vinylacetate, vinyl/acrylic and biopolymer 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 furs 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	To prevent decomposition of oils, emulsifying agents, and other components.	Add DOWICIDE A to yield 0.05 to 0.5% by wt. in diluted metalworking fluid.	Add as a concentrated aqueous solution to the use dilution of the metalworking fluid or to the concentrate prior to dilution.
Paint	For preservation of decomposable raw material solutions or dispersions during paint manufacturing or storage. For shelf preservation of water-based paints.	Minimum of 0.6% by wt of DOWICIDE A.	Add as a concentrated aqueous solution to the formulation.
Polyvinyl Alcohol	To preserve solutions of the alcohol.	0.6-0.8% 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	To control the growth of fungi and bacteria in aqueous based slurries.	Add 0.015 - 0.6% by wt of slurry.	Add as a concentrated aqueous solution at a suitable point during the manufacture, container loading/filling, shipment or storage of slurry.

