

Best copy available
- torn original

464-78

07/23/1981

1/4

LOT

ACCEPTED
JUL 23 1981
Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
registered under
EPA Reg. No. 464-78

SPECIMEN LABEL
REDUCED TO 93%



DOWICIDE^{*} A ANTIMICROBIAL

*For the control of fungi and bacteria in industrial applications;
and for post-harvest preservation of raw agricultural products.*

Active Ingredient:
Sodium orthophenylphenate • tetrahydrate 97%
Inert Ingredients 3%
EPA Registration No. 464-78 EPA Est. 464-MI-1

KEEP OUT OF REACH OF CHILDREN

DANGER	
<p>PRECAUTIONARY STATEMENTS</p> <p><i>Hazards to Humans and Domestic Animals</i></p> <p>CORROSIVE TO SKIN • INJURIOUS TO EYES IRRITATING DUST • HARMFUL IF SWALLOWED</p> <p>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</p>	<p>Statements of Practical Treatment</p> <p>In case of eye contact, immediately wash eyes with flowing water for Call a physician.</p> <p>In case of skin contact, immediately flush skin with plenty of water for minutes and get medical attention if irritation persists. Remove cor, clothing and shoes. Wash clothing before reuse. Destroy contaminated</p> <p>If swallowed, induce vomiting immediately by giving two glasses of v sticking finger down throat. Call a physician. Do not induce vomitin anything by mouth to an unconscious person.</p> <p>Anyone experiencing noticeable ill effects from breathing the dust of thi should be removed to fresh air.</p> <p>Environmental Hazard</p> <p>Do not discharge into lakes, streams, or public waters unless in accord an NPDES permit. For guidance, contact your regional office of the EF</p>
<p>In case of an emergency endangering life or property involving this product, call collect 517-636-4400</p>	<p>NOTICE</p> <p>Do Not Ship or Store with Food, Feeds, Drugs, or Clothing</p>

86-1379 PRINTED IN U.S.A. IN JUNE, 1981.
REPLACES SPECIMEN LABEL 86-1379 PRINTED IN NOVEMBER, 1978.
DISCARD PREVIOUS SPECIMEN LABELS.
REVISION INCLUDE: (1) PRECAUTIONARY STATEMENTS REVISED; (2) DIRECTIONS
FOR USE ADDED; (3) STORAGE AND DISPOSAL ADDED; (4) DOT CORROSIVE SYMBOL ADDED

DIRECTIONS FOR USE

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

DOWICIDE A Antimicrobial, when used according to good manufacturing practices, meets the requirements of the F.D.A. for use in resinous and polymeric coatings: can end cements [21 CFR 175.300(b) (3) (xxxi)]; adhesives [21 CFR 175.105 (c) (5)]; 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)]; and closures with sealing gaskets for food containers [21 CFR 177.1210(b) (5)].

Tolerances have been established for DOWICIDE A for post-harvest application to a variety of raw agricultural products (40 CFR 180.129) and it is exempt from the requirements of a tolerance when used at a maximum level of 0.1% for the preservation of pesticide formulations applied to growing crops only [40 CFR 180.1001(d)].

DOWICIDE A Antimicrobial also appears in the "List of Chemical Compounds Authorized for Use Under USDA Poultry, Meat, Rabbit, and Egg Products Inspection 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.

AGRICULTURE

For post-harvest preservation of fruits and vegetables, 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 ¹	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 or a 50-50 mixture of DOWICIDE A and DOWICIDE G-ST Antimicrobials.	Add as a concentrated aqueous solution to the formulation.
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 Materials	To control mold growth on inert surfaces such as asbestos shingles, tile roofs, brick walls, and concrete blocks.	1.0% by wt in water	Rinse previously cleaned surface with solution of antimicrobial.
Feathers	To prevent deterioration of stored feathers.	50-50 mixture of DOWICIDE A and DOWICIDE G-ST at 1.0% by wt of dry feathers.	Spray feathers with concentrated solution of antimicrobials.
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.

INDUSTRIAL APPLICATIONS

Application	Purpose	Suggested Concentration ¹	How to Apply
Graphite	To preserve protein colloidal graphite formulations.	50-50 mixture of DOWICIDE A and DOWICIDE G-ST at 1.0% by wt of graphite.	Add as a concentrated aqueous solution to the formulation.
Ink	For shelf preservation of dextrin-based watercolor printing inks.	0.5% by wt of formulation.	Add as a concentrated aqueous solution to the formulation.
Laundry Starch	To preserve liquid starch during shelf and use life.	0.2% by wt of formulation.	Add as a concentrated aqueous solution to the formulation.
Leather	To prevent slippage of hair or furs in soaking liquors; to prevent deterioration of treating and finishing formulations.	One part per 15 parts of water for soaking liquors. 0.05-0.1% 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.	0.1 to 1.0% by wt of formulation.	Add as a concentrated aqueous solution to the use dilution of the metalworking fluid.
Paint	For preservation of decomposable raw material solutions or dispersions during storage. For shelf preservation of protein-based latex paints.	Minimum of 0.6% by wt of DOWICIDE A or a 50-50 mixture of DOWICIDE A and DOWICIDE G-ST.	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 concentrated aqueous solution.
Textiles	To preserve processing materials and finished yarns and cloth during storage.	0.1-0.75% by wt of materials treated.	Add as concentrated aqueous solution.

¹ Refers to concentrations of DOWICIDE A, or to mixtures of DOWICIDE A and other Dow antimicrobials, as noted.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

STORAGE: Keep package tightly closed when not in use.

PESTICIDE DISPOSAL: Pesticide, spray mixture, or rinsate that cannot be used according to label instructions must be disposed of according to Federal, State, or local procedures under the Resource Conservation and Recovery Act.

CONTAINER DISPOSAL: Dispose of liners according to approved Federal, State, or local procedures under the Resource Conservation and Recovery Act. Container cannot be reused; dispose of it in a sanitary landfill or by incineration if permitted by State and local authorities.

45.36 kg/100 lb

SPECIMEN LABEL
(BACK)

REDUCED TO 93%

**CORROSIVE
SOLID, N.O.S.
UN 1759**



**Contains:
Sodium
O-Phenylphenate
• Tetrahydrate**

NOTICE: Seller warrants that the product conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with directions under normal conditions of use, but neither this warranty nor any other warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE, express or implied, extends to the use of this product contrary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to seller, and buyer assumes the risk of any such use.

24500-B681

THE DOW CHEMICAL COMPANY
AND SUBSIDIARIES

MIDLAND, MICHIGAN 48540 USA Horgen, SWITZERLAND HONG KONG
CORAL GABLES, FLORIDA 33134, USA SARNIA, ONTARIO, CANADA

*Trademark of THE DOW CHEMICAL COMPANY