

464-656

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY



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WASHINGTON, D.C. 20460

FEB - 9 2011

Rhonda Vance-Moeser
1790 Building, Office 226
The Dow Chemical Company
Midland, MI 48674

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

Subject: DOWICIDE™ 25L Antimicrobial
EPA Registration Number: 464-656
Application Date: October 7, 2010
Receipt Date: October 21, 2010

Dear Ms. Vance-Moeser:

The following amendment, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide (FIFRA), as amended, is acceptable with conditions.

Proposed Amendment

- Label Amendment: Adding additional use patterns (paper and paperboard; coatings for paper and paperboard)

Conditions

Revise Label to Read:

- On the front page of your label, delete the word "ONLY" from the Industrial Use statement.
- Revise your "Precautionary Statements" to be in agreement with the Orthopenol salts RED and label review manual by stating the following:

DANGER. Corrosive. Causes irreversible eye damage and skin burns. Do not get in eyes, or skin, or on clothing. Harmful if swallowed. Wear goggles or faceshield, protective clothing, and chemical resistant gloves when handling. Remove and wash contaminated clothing before reuse. Thoroughly was hands before eating, drinking, chewing gum, using tobacco, or using toilet.

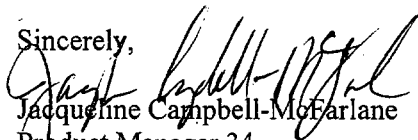
General Comments

A stamped label with conditions is enclosed for your records. Submit a copy of your final printed label before distributing or selling the product bearing the revised labeling.

Table with 8 columns and 3 rows (SYMBOL, SURNAME, DATE) under the heading CONCURRENCES.

If you have further questions concerning this letter, then please contact me by telephone at (703) 308-6416 or by e-mail at [campbell-mcfarlane.jacqueline@epa.gov](mailto:campbell-mcfarlane.jacqueline@epa.gov) or Stacey Grigsby by telephone at (703) 308-6440 or by email at [grigsby.stacey@epa.gov](mailto:grigsby.stacey@epa.gov) . When you are submitting information or data in response to this letter, send a copy of this letter to accompany the submission in order to facilitate processing.

Sincerely,



Jacqueline Campbell-McFarlane  
Product Manager 34  
Regulatory Management Branch II  
Antimicrobials Division (7510P)

Enclosure: stamped label

CONCURRENCES

SYMBOL							
SURNAME							
DATE							

DOWICIDE 25L Antimicrobial  
Final Draft Label  
October 7, 2010  
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ACCEPTED  
with COMMENTS  
EPA Label Dated:

FEB - 9-2011

# DOWICIDE™ 25L Antimicrobial

FOR INDUSTRIAL USE ONLY

ACTIVE INGREDIENTS: Sodium o-phenylphenate.....25.3%  
INERT INGREDIENTS: .....74.7%

EPA Reg. No. 464-656      EPA Est. No XXX-XX-XXX

464-656

KEEP OUT OF REACH OF CHILDREN

**DANGER**

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS.

Corrosive. Causes eye damage and skin irritation. Avoid all contact of concentrate with eyes or skin. Harmful if swallowed. Wear goggles or face shield and impervious gloves when handling. Remove and wash contaminated clothing before reuse. Avoid contamination of food.

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 swallow.</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 MIST 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	
<p><b>IN CASE OF AN EMERGENCY</b> 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.</p>	

## **ENVIRONMENTAL HAZARDS**

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 systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

## **STORAGE AND DISPOSAL**

Storage: Store between 7C (45F) and 38C (100F). Keep container tightly closed when not in use. If frozen product separates, thaw completely at room temperature and stir thoroughly.

**Pesticide Disposal:** Pesticide wastes are acutely hazardous. 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:**

### ***Option to use for labels on nonrefillable rigid containers of all sizes***

Nonrefillable container. Do not reuse or refill this container. Triple rinse or pressure rinse container (or equivalent) promptly after emptying. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

### ***Option to use for labels on refillable rigid tote containers***

Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning of the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean container before final disposal, empty contents into application equipment and triple rinse. Pour or pump rinsate into application equipment or rinsate collection system. Then offer for recycling if available, or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities

## **DIRECTIONS FOR USE**

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

## **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; add 0.1 to 3.0% by weight of DOWICIDE 25L Antimicrobial to the formulation.

### **LATEX**

To preserve synthetic and natural latex dispersions and emulsions in manufacture, transportation and storage, add 0.1 to 1.0% by wt of DOWICIDE 25L Antimicrobial to the dispersion or emulsion.

### **PAINTS**

For preservation of decomposable raw material solutions or dispersions during paint manufacturing or storage. For shelf preservation of water-based paints. Add 0.04 - 1.6% by weight of DOWICIDE 25L Antimicrobial at a suitable point in the manufacture or storage of the paint or paint raw material.

### **CONSUMER, HOUSEHOLD AND INSTITUTIONAL PRODUCTS**

To inhibit bacterial spoilage during the production and shelf life storage and use of consumer, household and institutional products, including dishwashing liquids, surfactants, surface cleaners, fabric softeners, laundry cleaners and polishes. Dose at 0.1 to 0.8 lb per 100 lb (1000 to 8000 ppm).

### **SLURRIES AND DISPERSED PIGMENTS**

To control the growth of fungi and bacteria in aqueous-based slurries and dispersed pigments such as clay, kaolin, calcium carbonate, calcium sulfate, barium sulfate, magnesium silicate, iron oxide, carbon black, titanium dioxide, kieselguhr, starch, organic dyes and other filler suspensions; add 0.04 - 1.6% by weight of DOWICIDE 25L Antimicrobial at a suitable point during the manufacture, container loading/filling or shipment of the slurry.

### **CONCRETE ADMIXTURES**

To control the growth of fungi and bacteria in concrete admixtures, add 0.1 - 1.0% by weight of DOWICIDE 25L Antimicrobial at a suitable point during the manufacture of the admixture.

### **METALWORKING FLUIDS**

To control the growth of fungi and bacteria in metalworking fluids, add 1.0 - 2.5 gallons of DOWICIDE 25L Antimicrobial to 1000 gallons of diluted metalworking fluid. DOWICIDE 25L Antimicrobial may also be used in metalworking fluid concentrate at levels sufficient to yield 0.12 - 2.4% DOWICIDE 25L Antimicrobial in the fluid as diluted for use.

**PAPER AND PAPERBOARD**

This product is used to control growth of microorganisms which may cause discoloration, odor and degradation of paper and paperboard.

DOWICIDE 25L Antimicrobial may be applied to the paper making system at any point of uniform mixing. Preferably, DOWICIDE 25L Antimicrobial will be added to the finished paper at the calendar stack water box. DOWICIDE 25L Antimicrobial may be mixed into the bath at levels of 0.1% to 3.0% and may be adjusted depending on the system variables such as wet pick-up. Apply product based on the total dry weight of the paper or paperboard.

**WATER BASED COATINGS FOR PAPER AND PAPERBOARD**

**Note:** For use in non-food contact coatings only.

Formulations of DOWICIDE 25L Antimicrobial may be applied to paper and paperboard by a suitable application method immediately after manufacturing, to provide antimicrobial protection of the finished paper. Add 0.1 to 3% DOWICIDE 25L Antimicrobial based on the total dry weight of the paper or paperboard.

Notice: Seller warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in strict accordance with the directions. SELLER MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.

Produced for: *When produced by a contract manufacturer*

Dow Diamond Trademark  
The Dow Chemical Company  
Midland, Michigan 48674 USA  
(989)636-4400

<sup>TM</sup>Trademark of The Dow Chemical Company ("Dow") or an affiliated company of Dow.  
Made in U.S.A.

Net Contents: XXX kg / XXX lb