

464-671

6/9/2003

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Washington, D.C. 20460

OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

June 9, 2003

Allen F. Bollmeier
Regulatory Specialist
The Dow Chemical Company
1803 Building
Midland, MI 48674

Subject: AMICAL 50 Antimicrobial Agent
EPA Registration No. 464-671
Application Date: March 24, 2003
EPA Received Date: March 25, 2003

Dear Mr. Bollmeier:

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

Proposed amendment

- Update First Aid Statements per PR Notice 2001-1

Conditions

Revise the label as follows:

1. Per the last stamped product label, dated April 19, 1996, include the word "CORROSIVE" immediately proceeding the phrase "CAUSES IRREVERSIBLE EYE DAMAGE."

CONCURRENCES

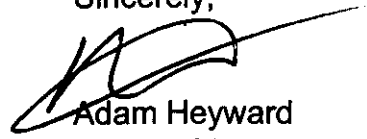
SYMBOL	7510C							
SURNAME	Gray							
DATE	6-9-03							

General Comments

A stamped copy of the labeling accepted with conditions is enclosed. Submit three(3) copies of your final printed labeling before distributing or selling the product bearing the revised labeling.

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 (7510 C)

ACCEPTED
with COMMENTS
EPA Letter Dated:

JUN - 9 2003

Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
amended, for the pesticide,
registered under EPA Reg. No. *464-671*

AMICAL® 50

ANTIMICROBIAL AGENT

Active Ingredient:
Diflodomethyl-p-toyl sulfone . . . 75% by wt
Inert Ingredients 25% by wt
Total 100%

EPA Reg. No. 464-671
EPA Est. No. 38808-PA-001

KEEP OUT OF REACH OF CHILDREN

DANGER
PRECAUTIONARY STATEMENTS
Hazards to Humans and Domestic Animals

CAUSES IRREVERSIBLE EYE DAMAGE.
May be harmful if absorbed through the skin.
Do not get in eyes, on skin, or on clothing.
Wash thoroughly with soap and water after
Handling. Remove contaminated clothing
and wash before reuse. Wear goggles, face
shield, or safety glasses.



THE DOW CHEMICAL COMPANY
Midland, Michigan 48674 U.S.A.
(989)636-4400
* Trademark of THE DOW CHEMICAL COMPANY

FIRST AID:	
IF IN EYES:	<ul style="list-style-type: none"> • Hold eyes open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first five minutes, then continue rinsing eyes. • Call a poison control center or doctor for treatment advice.
IF SWALLOWED:	<ul style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to by a poison control center or doctor. • Do not give anything by mouth to an unconscious person.
IF ON SKIN:	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment.
IF INHALED:	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferable mouth to mouth, if possible. • Call a poison control center or doctor for further treatment.
Made in Japan	
IN CASE OF AN EMERGENCY endangering life or property involving this product, call 1-800-424-9300. Have the product container or label with you when calling a poison control center or doctor or going for treatment.	
NOTE TO PHYSICIAN: Probable mucosal damage may preclude the use of gastric lavage.	

ENVIRONMENTAL HAZARDS
This pesticide is toxic to fish. Do not contaminate water when disposing of equipment washwaters. 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: Do not contaminate water, food, or feed by storage or disposal. Store in a dry area. Keep container closed when not in use.
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: Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment. Then dispose of liner in a sanitary landfill or by incineration if allowed by state and local authorities. If drum is contaminated and cannot be reused, dispose of in the same manner.

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**Directions for Use**

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

Use in Paints

AMICAL 50 is an effective mildewcide and algicide for exterior and interior paints, fire-retardant insulation coating and air duct coatings. Use levels in paint and duct coating will vary depending upon the formulation and expected severity of field conditions. Generally AMICAL 50 will impart protection when used at levels of between 2.1-6.7 lb AMICAL 50 per 100 gallons of paint for severe situations while 1.3-4.0 lb AMICAL 50 per 100 gallons of paint are sufficient for less severe conditions. AMICAL 50 should be added during the last few minutes of the pigment grind for maximum dispersion. For mildew control on fire-retardant coating add AMICAL 50 at 0.002-0.4% at point in production process to ensure sufficient mixing with other dry ingredients.

Use in Pigment Dispersions, Inks, Emulsions and Extender Slurries

To inhibit the growth of spoilage fungi during storage of water-based suspensions and dispersions. AMICAL 50 will impart protection when dosed at 0.027-0.2% (w/w). Add AMICAL 50 at a point in the production process where sufficient mixing will assure good suspension of the material as other ingredients are added.

Use In Adhesives, Caulks, and Sealants

AMICAL 50 is recommended for use in adhesives and binders, e.g. joint compounds, tile mastics, wallpaper paste, carpet backing, air filter and foil scrim Kraft laminate; and sealants and caulks where mildew growth on the applied or stored product may be a problem. For control of mildew growth add 0.013-0.4% AMICAL 50 at a point in the production process where sufficient mixing will assure good suspension of the material as other ingredients are added.

Use in Rubber and Plastic Products

AMICAL 50 is recommended for PVC, polyurethane, rubber, thermoplastic rubber and other polymeric-based products, coating, adhesives, forms, and sealants requiring protection against microbial deterioration. For control of microbial deterioration use 0.13-1.0% AMICAL 50 based upon total weight of solids in the formulation. AMICAL 50 can be incorporated into the formulation at any convenient stage of the manufacturing process.

Use in Textiles and Non-Wovens (Non-Clothing)

To prevent mildew growth on products such as canvas, carpet, cordage, drapes, filters, and shower curtains. Use levels depend upon the expected severity of exposure or end-use conditions. In general 0.67 to 6.67 lb AMICAL 50 per 1000 lb dry fabric (667-6667 ppm) is needed. AMICAL 50 is best added together with the water-repellent emulsion or dye to ensure durability.

