

464-672

5-19-2003

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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

May 19, 2003

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

Subject: AMICAL WP Antimicrobial Agent
EPA Registration No. 464-672
Application Date: February 19, 2003
EPA Received Date: February 21, 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

- Label review in response to Agency letter dated January 14, 2003

Conditions

Revise the label as follows:

1. The precautionary statement must be written on the label as follows:

**PRECAUTIONARY STATEMENTS
HAZARD TO HUMANS AND DOMESTIC ANIMALS**

DANGER: CORROSIVE: Causes irreversible eye damage. Harmful if absorbed through the skin. Do not get in eyes, on skin or on clothing. Wear goggles, face shield or safety glasses. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.

CONCURRENCES							
SYMBOL	75100						
SURNAME	J. J. ...						
DATE	5-19-03						

2. With regard to the storage and disposal statement, the statement "Do not contaminate water, food, or feed by storage and disposal." must be removed from the storage instructions and placed immediately following the subheading to read as follows:

STORAGE AND DISPOSAL

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

General Comments

A stamped copy of the labeling accepted with conditions is enclosed. Submit three(3) copies 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)

AMICAL™ WP ANTIMICROBIAL AGENT

Active Ingredient(s):

Diiodomethyl p-tolyl sulfone 48.45% (w/w)

Inert Ingredient(s):

Related Compounds & Carriers . . . 51.55% (w/w)
TOTAL 100%

E.P.A. Registration No. 464-672

E.P.A. Est. 37429-GA-2

KEEP OUT OF REACH OF CHILDREN

DANGER

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CORROSIVE • CAUSES IRREVERSIBLE EYE DAMAGE • HARMFUL IF ABSORBED THROUGH THE SKIN

Do Not Get In Eyes, On Skin, Or On Clothing • Wear Goggles, Face Shield, or Safety Glasses • Wash Thoroughly With Soap And Water After Handling • Remove Contaminated Clothing and Wash Clothing Before Reuse

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.



THE DOW CHEMICAL COMPANY

Midland, Michigan 48674 U.S.A.

(989)636-4400

* Trademark of THE DOW CHEMICAL COMPANY

76917-2/18/2003-1875 Active

FIRST AID:	
IF IN EYES:	• 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:	• 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:	• 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:	• 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.
HOT LINE NUMBER	
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.	

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.

DIRECTIONS FOR USE

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

ACCEPTED
with COMMENTS
EPA Letter Dated:
MAY 19 2003

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide, registered under EPA Reg. No. 464-672

USE IN LEATHER TANNING

AMICAL WP is used in protecting chrome or vegetable tanned leather from mold and mildew during in-tannery wet processing for protecting wet-blue during long storage and long transportation times. For normal protection of chrome-tanned cattle hides (based on white weight of hides) use 0.02-0.04%, for sheep hides (based on drained pickle weight) 0.1-0.16%, and for goat and small skins levels should be calculated on the dry basis of the skin weight, assuming limed weight to be 20% dry basis and pickled weight 33% dry basis. When long hold or export protection is required, 0.04-0.06% for cattle, 0.16-31% for sheep, and on goat and small skins follow recommendations for normal protection. Use level recommendations during retan/color/fatliquor protection of chrome-tanned hides for all hide types are 0.2-0.61% (on wet blue weight). In all applications, add the dry AMICAL WP through the drum door, preferably by sprinkling across the width of the drum. This should be done just prior to chrome addition, or together with the formate, if formate is added dry prior to chrome. In the case of retan/color/fatliquor, add AMICAL WP prior to the prime fatliquor feed.

USE IN WOOD PRESERVATION (FOR FORMULATING USE ONLY)

AMICAL WP can be used for control mildew, sapstain, and wood rotting organisms. Incorporate AMICAL WP into appropriate vehicles to protect wood from stain and decay. AMICAL WP can be utilized in either aqueous or solvent-based systems at concentrations ranging from 0.61%-2.0% (w/w). Solvent-based systems containing mineral spirits require a suitable co-solvent for the incorporation of AMICAL WP into the system. Formulators responsible for obtaining EPA registration of formulated products.

USE IN METALWORKING FLUIDS

AMICAL WP is recommended for use in metalworking fluids as lubricants to prevent fungal growth. The level of AMICAL WP incorporated into metalworking fluid concentrate will vary depending upon the dilution factor recommended by the manufacturer. For efficient fungistatic activity, a concentration 204 to 6122 ppm of AMICAL WP in the diluted fluid is suggested. AMICAL WP should be dissolved in an appropriate solvent prior to addition to the metalworking fluid.

USE IN RUBBER AND PLASTIC PRODUCTS

AMICAL WP is recommended for PVC, polyurethane, rubber, thermoplastic rubber and other polymeric-based products, coat adhesives, foams, and sealants requiring protection against microbial deterioration. For control of microbial deterioration use 0.2-1.6% AMICAL WP based upon total weight of solids in the formulation. AMICAL WP can be incorporated into the formula at any convenient state of the manufacturing process.

USE IN TEXTILES AND 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. A general 1.0-10.2 lb of AMICAL WP per 1000 lb of dry fabric (1020-10,200 ppm) is needed. AMICAL WP is best added together with the water-repellent emulsion or dye to ensure durability.

USE IN PAINTS

AMICAL WP is an effective mildewicide and algicide for exterior and interior latex paints, solvent-based 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 WP will impart protection when used at levels of between 4.0-10.2 lb AMICAL WP per 100 gallons of paint for severe situations while 3.0-6.1 lb AMICAL WP per 100 gallons of paint are sufficient for less severe conditions. AMICAL WP should be added during the last few minutes of the pigment grind for maximum dispersion. For mildew control on fire-retardant coating add AMICAL WP at 0.02-0.1% at point in production process to ensure sufficient mixing with other dry ingredients.

USE IN PIGMENT DISPERSIONS, INKS, EMULSION AND EXTENDER SLURRIES

To inhibit the growth of spoilage fungi during storage of water-based suspension and dispersions, AMICAL WP will impart protection when dosed at 0.1-0.31% (w/w). Add AMICAL WP 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 WP is recommended for use in adhesives and binders e.g., joint compounds, tile mastics, wallpaper paste, carpet backing, air filter adhesive and sealants and caulks where mildew growth on the applied or stored product may be a problem. For control of mildew growth add 0.04-0.61% AMICAL WP at a point in the production process where sufficient mixing will assure good suspension of the material as other ingredients are added.