

464-670

5/23/2014

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

MAY 23 2014

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

Abigail Trueblood
The Dow Chemical Company
1500 E. Lake Cook Road
Buffalo Grove, IL 60089

Subject: AMICAL™ 48
EPA Registration No.: 464-670
Notification Date: April 24, 2014
EPA Receipt Date: April 25, 2014

Dear Ms. Trueblood,

This letter acknowledges receipt of your notification submitted under the provisions of FIFRA section 3(c) 9 and PR Notice 98-10.

Proposed Notification

- Providing the Agency with the corrected clean version of the label dated March 23, 2014.

General Comments

Based on a review of the submitted materials, providing the Agency with the clean version of the label dated March 23, 2014 per PR Notice 98-10 is **acceptable** and apart of the record on file for future reference.

Should you have any questions or comments concerning this letter, you may contact me by telephone at (703) 308-6416 or by e-mail at hardy.jacqueline@epa.gov or Lorena Rivas by telephone at (703) 305-5027 or by e-mail at rivas.lorena@epa.gov. When submitting information or data in response to this letter, a copy of this letter should accompany the submission to facilitate processing.

Sincerely,

A handwritten signature in black ink, appearing to read "Jacqueline Hardy".

Jacqueline Hardy
Product Manager (34)
Regulatory Management Branch II
Antimicrobials Division (7510P)



United States
Environmental Protection Agency
 Washington, DC 20460

Registration
 Amendment
 Other

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number 464-670	2. EPA Product Manager J. Hardy	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) AMICAL(TM) 48	PM# 34	
5. Name and Address of Applicant (Include ZIP Code) The Dow Chemical Company 100 Larkin (1650 Joseph Drive); Midland, MI 48674 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Notification to submit corrected labeling for this product

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes* <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input type="checkbox"/> Metal	<input type="checkbox"/> Plastic
* Certification must be submitted	If "Yes" Unit Packaging wgt.	No. per container	If "Yes" Package wgt.	No. per container	<input type="checkbox"/> Glass
					<input type="checkbox"/> Paper
					<input checked="" type="checkbox"/> Other (Specify) Fiber drum
3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container Various		5. Location of Label Directions <input checked="" type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product	
6. Manner in Which Label is Affixed to Product <input checked="" type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled			<input type="checkbox"/> Other _____		

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Abigail Trueblood	Title Prod. Stewardship Reg. Mgr.	Telephone No. (include Area Code) 847-808-3555
<p align="center">Certification</p> <p>I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.</p>		6. Date Application Received (Stamped)
2. Signature 	3. Title Product Stewardship Regulatory Mgr.	
4. Typed Name Abigail Trueblood	5. Date 04-24-2014	

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Master Label
March 23, 2014

AMICAL™ 48

Active Ingredient(s): Diiodomethyl p-tolyl sulfone 95.0%
Inert Ingredients 5.0%
Total 100%

NOTIFICATION
Date Reviewed: 5/23/14
Reviewed By: *[Signature]*

E.P.A. Registration No. 464-670
E.P.A. Est. XXXX-XX-X

KEEP OUT OF REACH OF CHILDREN

DANGER

FIRST AID	
IF IN EYES:	<ul style="list-style-type: none"> • Hold eyes open and rinse slowly and gently with water for 30 minutes. • Remove contact lenses, if present, after the first 5 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 advice.
IF INHALED:	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance and then give artificial respiration, preferably 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 collect (989) 636-4400. 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 contraindicate the use of gastric lavage.	

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. HARMFUL IF INHALED. DO NOT BREATHE DUST.

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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 and before eating, drinking, chewing gum, or using tobacco. Remove contaminated clothing and wash clothing before reuse. Occupational handlers must wear chemical resistant gloves while handling diiodomethyl p-tolyl sulfone.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and aquatic invertebrates. 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 plan authority. For guidance, contact your State Water Board or Regional Office of the EPA.

Antisapstain treated lumber must be stored under cover, indoors, or at least 100 feet from any pond, lake, stream, wetland, or river to prevent possible runoff of the product into the waterway. Treated lumber stored within 100 feet of a pond, lake, stream, or river must be either covered with plastic or surrounded by a berm to prevent surface water runoff into nearby waterway. If a berm or curb is used around the site, it should consist of impermeable material (clay, asphalt, concrete) and be of sufficient height to prevent runoff during heavy rain events.

STORAGE AND DISPOSAL

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

STORAGE

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:

Nonrefillable container: Do not reuse or refill this container. Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into mix tank. Triple rinse drum liner and remove liner and dispose of liner in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke. Then offer drum for recycling if available. If drum is contaminated and cannot be reused, dispose of it in the manner required for its liner.

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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 48 is an effective mildewcide and algicide for exterior and interior paints, fire-retardant insulation coating and air duct coatings. Use levels in paints and duct coatings will vary depending upon the formulation and expected severity of field conditions. For roll-coat applications only: AMICAL 48 will impart protection when used at levels between 1.6-5 lb AMICAL 48 per 100 gallons of paint for severe conditions, while 1-3 lb AMICAL 48 per 100 gallons of paint is sufficient for less severe conditions. For all other paint application methods, including airless sprayer and brush/roller application: The maximum allowable concentration is 2.5 lb AMICAL 48 per 100 gallons of paint. AMICAL 48 must be added during the last few minutes of the pigment grind for maximum dispersion. For mildew control of fire- retardant coating add AMICAL 48 at 0.0015 to 0.3% at a point in the 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 48 will impart protection when dosed at 0.02-0.15% (w/w). Add AMICAL 48 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 48 is 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 add 0.01- 0.30% AMICAL 48 at a point in the production process where sufficient mixing will assure good suspension of the material as other ingredients are added.

USE IN LEATHER TANNING

For use in leather tanning drum only.

AMICAL 48 is used in protecting chrome or vegetable tanned leather from mold and mildew during in-tannery wet processing and 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 0.01-0.02% , for sheep hides (based on drained pickle weight) 0.05-0.08%, and for goat and small skins use levels must be calculated on the dry basis of the skin weight, assuming limed weight to be 20% dry basis and pickled weight to be 33% dry basis. When long hold or export protection is required, use 0.02-

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0.04% for cattle, 0.08-0.15% for sheep, and on goat and small skins follow the normal protection directions. Use rate range during retan/ color/fatliquor protection of chrome-tanned hides for all hide types are 0.1-0.3 (% on wet blue weight). In all applications add the dry AMICAL 48 through the drum door, preferably by sprinkling across the width of the drum. This must 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 48 prior to the prime fatliquor feed.

USE IN WOOD PRESERVATION (For Formulating Use Only)

Do not apply this product to any structure, or use any wood treated with this product in or above water or within 100 feet of any surface water or wetland area. Wood treated with diiodomethyl p-tolyl sulfone shall not be used in the construction of beehives.

AMICAL 48 can be used for control of mildew, sapstain, and wood rotting organisms. Incorporate AMICAL 48 into appropriate vehicles to protect wood from stain and decay. AMICAL 48 can be utilized in either aqueous or solvent-based systems at concentrations ranging from 0.3-0.8% (w/w active ingredient). Solvent-based systems containing mineral spirits require a suitable co-solvent for the incorporation of AMICAL 48 into the system. Formulators are responsible for obtaining EPA registration of formulated products.

USE IN RUBBER AND PLASTIC PRODUCTS

Treated plastics cannot be used to manufacture children's toys.

AMICAL 48 is for PVC, polyurethane, rubber, thermoplastic rubber, and other polymeric based products, coating, adhesives, foams, and sealants requiring protection against microbial deterioration. For control of microbial deterioration, use 0.1-0.8% AMICAL 48 based on the total weight of solids in the formulation. AMICAL 48 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-backing, cordage, drapes, filters, and shower curtains. Use only to treat carpet-backing. Not for use in carpet fibers. Use levels depend upon the expected severity of exposure or end-use conditions. In general, 0.5 to 5.0 lb of AMICAL 48 per 1000 lb dry fabric (500-5000 ppm) is needed. AMICAL 48 is best added together with the water-repellent emulsion of dry to ensure durability.

USE IN PAPER PRODUCTION

This product aids in the control of objectionable fungi in pulp, paper mills, and the additive system for the preservation of pulp, pigment slurries, alum, emulsions, adhesives, defoamers, polymers, and paper products. This product is used to inhibit fungal growth which causes discoloration, odor and degradation in paper and paperboard. This product is not cleared for use in the manufacture of paper and paperboard products that come in contact with food.

