

464-670

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

MAR 7 2013

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

Abigail Trueblood
Product Stewardship Manager
The Dow Chemical company
1500 E. Lake Cook Road
Buffalo Grove, IL 60089

Subject: **AMICAL™ 48**
EPA Registration Number: 464-670
Application Date: February 04, 2013
Receipt Date: February 05, 2013

Dear Ms. Trueblood:

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

Proposed Amendments

Registrant is revising label language to be in compliance with PR Notice 2000-5.

Comments

The Reregistration Eligibility Decision (RED) for Diiodomethyl p-tolyl sulfone of March 2008 requires the following label language revision:

1) **FIRSTAID SECTION**

The high acute inhalation toxicity result of Category II require that the IF IN HALED statement be placed after the IF IN EYES statement and before IF SWALLOWED statement in the FIRST AID section.

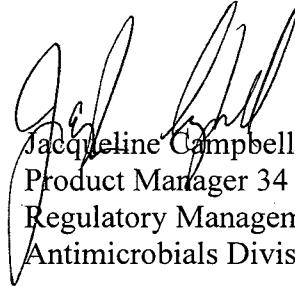
2) **PRECAUTIONARY STATEMENTS** add the following statement:

May be fatal if inhaled. Do not breathe (dust, vapor or spray mist). Wear a respirator with an organic-vapor removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C), or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G), or a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with any N, R, P or HE prefilter. Remove and wash contaminated clothing before reuse.

A stamped copy of the accepted label with comments is enclosed. Submit two (2) copies of your final printed label before distributing or selling the product bearing the revised labeling

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 or Glen McLeod by telephone at (703) 347-0181 or by email at mcleod.glen@epa.gov . When you are submitting information or data in response to this letter, please send a copy of this letter to accompany the submission in order to facilitate processing.

Sincerely,



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

AMICAL™ 48

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

KEEP OUT OF REACH OF CHILDREN
DANGER

KEEP OUT OF REACH OF CHILDREN
DANGER

PRECAUTIONARY STATEMENTS

HAZARD TO HUMANS AND DOMESTIC ANIMALS
 DANGEROUS. 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 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 or the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without prior notification to the local sewage treatment plant authority. For additional information, contact your State Water Board or Regional Office of the EPA.
 Antisipastan treated lumber must be stored under cover, indoors, or at least 100 feet from any pond, lake, stream, wetland, or other water body to prevent 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 rainfall 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 nearest Pesticide 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. Trim residue 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.

Label Through Date: 02/20/12-04/10/14

DIRECTIONS FOR USE
 It is a violation of Federal Law to use this product in a manner inconsistent with the 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 mold conditions. For roof-coat applications only, AMICAL 48 will impart protection when used at levels of 0.0015 to 0.0015 lb per 100 gallons in finished conditions, while 1-3 lb per 100 gallons is sufficient for best exterior conditions. For all other paint applications, 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 first 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 SUSPENSIONS
 To inhibit the growth of mold and mildew on 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 fillers, e.g. joint compounds, tile mastics, caulks, sealants, and caulking. For use in caulks, sealants, and mastics, use AMICAL 48 at a point in the production process where sufficient mixing will assure good control of mildew growth on the applied or stored product prior to use. For caulks, sealants, and mastics, use 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 use only. AMICAL 48 is used in protecting thorns or vegetable tanned leather from mold and mildew growth. For use in protecting wet leather during long storage periods, use AMICAL 48 at a point in the production process where sufficient mixing will assure good control of mildew growth on the applied or stored product prior to use. For use in protecting leather from mold and mildew growth, use 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 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 buildings.
 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 or formulated products.

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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 polymer based products, coating, adhesives, films, and elastomers requiring protection against microbial deterioration. For control of microbial deterioration, use 0.1-0.2% AMICAL 48 in 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 100 lb of dry fabric (500-5000 ppm) is needed. AMICAL 48 is best added together with the water-repellent emulsion or dye 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, and paper products. This product is used to inhibit fungal growth which causes discoloration, odor and degradation in paper and paperboard products that come in contact with food.
 AMICAL 48 is used in the manufacture of paper and paperboard products that come in contact with food. AMICAL 48 is used in the manufacture of paper and paperboard products that come in contact with food. AMICAL 48 is used in the manufacture of paper and paperboard products that come in contact with food.

WORLD IMPROVEMENT IN PAPER AND PAPERBOARD
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LIMITED WARRANTY AND DISCLAIMER
 The product is sold as is. The manufacturer makes no warranty, express or implied, under normal conditions of use. THE WARRANTIES MADE IN THIS PARAGRAPH ARE THE SOLE WARRANTIES WITH RESPECT TO THE PRODUCT AND ARE MADE EXPRESSLY IN LIEU OF AND EXCLUDE ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE AND ALL OTHER EXPRESS OR IMPLIED REPRESENTATIONS AND WARRANTIES.

ACCEPTED with COMMENTS
 in EPA Letter Dated: MAR 7 2013

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide, registered under EPA Reg. No. 464-670

464-670