

Evaluation Report for Category B, Subcategory B.3.12 Application

Application Number: 2004-2510
Application: New or Changes to Product Labels-New Site or Host
Product: AMICAL™ 48 Antimicrobial Powder A
Registration Number: 27102
Active ingredients (a.i.): Diiodomethyl P-tolyl Sulfone
PMRA Document Number: 1696797

Background

Amical 48 antimicrobial powder A was first registered in May 27, 2002. It is currently registered for the control of mildew and algae on exterior latex paints and pigment dispersions, latex caulks and adhesives, and in leather tanning. Amical Flowable antimicrobial agent, and Amical WP antimicrobial powder are also products registered with the same active and for the same uses.

Purpose of Application

The purpose of this application was to amend the registration of Amical 48 antimicrobial powder A to add the use on interior latex paints. For specific details of uses, application rates and methods, precautions, restrictions, and personal protective equipment requirements, refer to the Amical 48 antimicrobial powder A product label.

Chemistry Assessment

NA

Health Assessments

A health assessment has been conducted for AMICAL™ 48 Antimicrobial Powder A. It is not expected that exposure to handlers will increase over the currently registered products containing Diiodomethyl P-tolyl Sulfone (diodofon) active ingredient.

Environmental Assessment

NA

Value Assessment

A small-scale, accelerated trial was submitted to determine the rates at which Amical 48 antimicrobial powder A would protect the dry film of interior latex paints from mold and mildew without being excessive. The test, representing a particularly severe indoor mildew hazard,

provided adequate pest pressure as demonstrated by moderate mold growth on the panels coated with untreated latex paint. Twelve different rates of the product were tested allowing the lowest effective rate for this use to be determined. As it was recognized that this test method represented only the most severe conditions where interior paint films were likely to be exposed, such as humid bathrooms, a label statement was added to include this.

References

PMRA # 1263144. Fungicidal Efficacy of AMICAL 48 In An Interior Latex Paint By the ASTM D 3273 Method. 2006. Dow Chemical Company. Unpublished. 4 pp.

ISSN: 1911-8082

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