

US EPA ARCHIVE DOCUMENT

EFFICACY EVALUATION AND TECHNICAL MANAGEMENT SECTION

EFFICACY REVIEW-I

ANTIMICROBIAL PROGRAM BRANCH

IN 04/24/90 OUT 05/05/90

Reviewed by Srinivas Gowda Date 05/05/90  
*WEC*  
*5/16/90*

EPA Reg. No. or File Symbol 34292-1

EPA Petition or EUP No. None

Date Division Received 02/07/90

Type Product (s): Preservative/Bacteriostatic/Fungistatic/  
Algistatic

MRID No(s) 413911-01

Product Manager PM 31 (Lee)

Product Name Dow Corning 5700 Antimicrobial Agent

Company Name Dow Corning Corporation

Submission Purpose Amendment to add Residual self-sanitizing  
activity claims against athlete's foot  
fungi for impregnated socks with efficacy  
data and proposed label

Type Formulation Technical Chemical for Manufacturing Use

Active Ingredient (s): 3

3-(Trimethoxysilyl)propyldimethyloctadecyl ammonium chloride.42

200.0 **Introduction**

200.1 **Uses (s)**

See attached proposed label.

200.2 **Background Information**

The current submission is a proposed amendment to add residual self-sanitizing activity claims for treated socks against athlete's foot fungi, Trichophyton mentagrophytes with efficacy data and proposed label.

201.0 **Data Summary**

201.1 **Brief Description of Tests (MRID No. 413911-01)**

"Residual self-sanitizing activity test data by Richard L. Gettings, Dow Corning Corporation, 2200 W. Salzburg road, Midland, MI 48640, dated 04-10-87.

201.2 **Test Results:**

The methodology employed and test results are attached.

Conclusions: Test fabric samples (cotton/nylon/linen/lycra, acrylic/polypropylene/nylon/lycra, wool/silk/nylon/lycra, and wool/acrylic/nylon/lycra) treated with the product (1.25% on weight of fabric) demonstrated residual self-sanitizing activity (equal to or greater than 99.9% reduction) over the parallel control after 24 hours of contact time at 37°C against Trichophyton mentagrophytes and for up to 10 laundry cycles.

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Page \_\_\_\_\_ is not included in this copy.

Pages 3 through 7 are not included.

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The material not included contains the following type of information:

- Identity of product inert ingredients.
  - Identity of product impurities.
  - Description of the product manufacturing process.
  - Description of quality control procedures.
  - Identity of the source of product ingredients.
  - Sales or other commercial/financial information.
  - A draft product label.
  - The product confidential statement of formula.
  - Information about a pending registration action.
  - FIFRA registration data.
  - The document is a duplicate of page(s) \_\_\_\_\_.
  - The document is not responsive to the request.
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The information not included is generally considered confidential by product registrants. If you have any questions, please contact the individual who prepared the response to your request.

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**EFFICACY EVALUATION AND TECHNICAL MANAGEMENT SECTION**

**EFFICACY REVIEW-II**

**ANTIMICROBIAL PROGRAM BRANCH**

EPA Reg. No. or File Symbol 34292-1

Date Division Received 02/17/88

MRID No(s) 413911-01

Product Manager PM 31 (Lee)

Product Name Dow Corning 5700 Antimicrobial Agent

Company Name Dow Corning corporation

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202.0      **Recommendations**

202.1      **Efficacy Supported By The Data**

The submitted data are adequate to demonstrate residual self-sanitizing activity ( $\geq 99.9\%$  reduction) of the DOW Corning 5700-treated cotton/nylon/linen/lycra, acrylic/polypropylene/nylon/lycra, wool/silk/nylon/lycra, and wool/acrylic/nylon/lycra socks (1.25% on weight of fabrics) against Trichophyton metagrophytes under conditions that simulate actual use (exposure period of 24 hours at 37°C) and through 10 laundering cycles.

203.0      **Labeling:**

No adverse comments.