EFFICACY EVALUATION AND TECHNICAL MANAGEMENT SECTION EFFICACY REVIEW-I

ANTIMICROBIAL PROGRAM BRANCH

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Reviewed by <u>Srinivas Gowda</u> Date <u>05/05/90</u>
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 <u>Technical Chemical for Manufacturing Use</u>
Active Ingredient (s):
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 fabricsamples(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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EFFICACY EVALUATION AND TECHNICAL MANAGEMENT SECTION EFFICACY REVIEW-II

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EPA Reg. No. or File Symb	00134292-1
Date Division Received	02/17/88
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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 (≥ 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.