

US EPA ARCHIVE DOCUMENT

TECHNICAL SUPPORT SECTION EFFICACY REVIEW - I

Disinfectants Branch

IN 03-08-88 Out 06-08-88

Reviewed By Srinivas Gowda <sup>WEC
6-10-88</sup> Date 06-08-88

EPA Reg. No. or File Symbol 34292-1

EPA Petition or EUP NO. None

Date Division Received 02-17-88

Type Product Preservative/Bacteriostatic/Fungistatic/Algistatic

Data Accession No. 405173-01

Product Manager 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):

8

3-(Trimethoxysilyl)propyldimethyloctadecyl ammonium chloride.....42

200.0 Introduction

200.1 Use(s)

See attached proposed label

200.2 Background Information

The submission received 02-17-88, is an 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 Test

Residual self-sanitizing activity test data by Richard L. Gettings, Dow Corning corporation, 2200 W. Salzburg Road, Midland, MI 48640, dated 04-10-87 (MRID No. 405173-01).

201.2 Test Results

The methodology employed and test results are attached.

Conclusions: Test fabric samples (orlon/nylon, nylon, & cotton/nylon) treated with the product (0.75% - 1.0% 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.