

CASWELL FILE 7



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

OPP OFFICIAL RECORD
HEALTH EFFECTS DIVISION
SCIENTIFIC DATA REVIEWS
EPA SERIES 361

OFFICE OF
PESTICIDES AND TOXIC SUBSTANCES

MEMORANDUM

SUBJECT: Dow Corning 5700. Request for Additional New Uses
for Dow Corning 5700 on Air Filters and Polyurethane
Foam.

EPA Reg.No. 34292-1
TOX Chem. No. 892B

FROM: Henry Spencer, Ph.D.
Section VII, Toxicology Branch
Hazard Evaluation Division (TS-769)

TO: John Lee, Product Manager #31
Disinfectants Branch
Registration Division (TS-767)

THRU: Albin B. Kocialski, Ph.D.
Section Head, Section VII
Toxicology Branch/HED (TS-769)

ABK
5/15/85

WLB 5/16/85

Comments:

1. Toxicology Branch does not object to the requested registration.
2. No further toxicity data are required for the requested uses.
3. Copies of the proposed labels are attached.

Attachment

OPP:HED:TOX:H.SPENCER:sb 5/15/85 X77395

#12-D26

DOW CORNING

new product information

ANTIMICROBIAL AGENT FOR AIR FILTERS TO BE USED IN
FURNACES, AIR CONDITIONERS, AIR PURIFICATION DEVICES,
AUTOMOBILES, RECIRCULATING AIR HANDLING SYSTEMS

BACTERIOSTATIC AND FUNGISTATIC ACTIVITY ON TREATED SURFACES

DOW CORNING® 5700 Antimicrobial agent treated surfaces are preserved by the bacteriostatic and fungistatic action imparted to the article's surfaces. Microbial contamination of polyurethane foam may result in odor problems, discoloration, and deterioration. Treatment of DOW CORNING® 5700 Antimicrobial Agent on the surface of air filters inhibits the growth of microorganisms to aid in the control of these deleterious effects.

DOW CORNING® 5700 Antimicrobial agent forms a durable wash resistant coating on a variety of materials.

Antimicrobial action is exhibited on contact in the presence of moisture.

DOW CORNING® 5700 ANTIMICROBIAL AGENT

For Protection of Air Filters

EPA No. 34292-1
EPA Est. 34292-MI-01

Type....Brand of Silicone Quaternary Amine

Physical Form....42 percent active solids in methanol.

Typical Benefits....Broad spectrum bacteriostatic, fungistatic, algistatic activity on surfaces, durable attachment to a wide variety of surfaces, compatible, efficient, easily diluted in water.

Primary Use....Provide preservation for many types of articles against a wide variety of bacteria, fungi, and yeasts.

Air Filters....Treated with DOW CORNING® 5700 Antimicrobial Agent: (1) for lasting freshness and to prevent deterioration and discoloration caused by fungi and bacteria; (2) to inhibit the growth of bacteria and mildew to prolong the life of the article; (3) to provide a durable, non-leachable antimicrobial treatment (4) to provide hygienic freshness; (5) to provide a treatment that is not destroyed by repeated cleaning; (6) to resist the development of bacterial and fungal odors; (7) to retain its freshness by resisting growth of odor-causing bacteria and mildew (Fungus); (8) for chemical protection to resist odors and (9) as an exclusive protective treatment that resists mildew and bacteria growth plus being odor resistant.

*Bacteriostatic, fungistatic and algistatic.

The information and data contained herein are based on information we believe reliable. You should thoroughly test any application, and independently conclude satisfactory performance before commercialization. Suggestions of uses should not be taken as inducements to infringe any particular patent.

DOW CORNING CORPORATION, MIDLAND, MICHIGAN 48640 TELEPHONE 517 496-4000

DOW CORNING

new product information

ANTIMICROBIAL AGENT FOR POLYURETHANE FOAM TO BE USED
IN HOUSEHOLD SPONGE AND MOPS; AIR FILTERS FOR FURNACES, AIR CONDITIONERS,
AIR PURIFICATION DEVICES, AUTOMOBILES, RECIRCULATING AIR HANDLING SYSTEMS

BACTERIOSTATIC AND FUNGISTATIC ACTIVITY ON TREATED SURFACES

DOW CORNING® 5700 Antimicrobial Agent treated surfaces are preserved by the bacteriostatic and fungistatic action imparted to the article's surfaces. Microbial contamination of polyurethane foam may result in odor problems, discoloration, and deterioration. Treatment of DOW CORNING® 5700 Antimicrobial Agent on the surface of polyurethane foam inhibits the growth of microorganisms to aid in the control of these deleterious effects.

DOW CORNING® 5700 Antimicrobial Agent forms a durable wash resistant coating on a variety of materials.

Antimicrobial action is exhibited on contact in the presence of moisture.

DOW CORNING® 5700 ANTIMICROBIAL AGENT

For Protection of Polyurethane Foam

EPA No. 34292-1
EPA Est. 34292-MI-01

Type....Brand of Silicone Quaternary Amine

Physical Form....42 percent active solids in methanol.

Typical Benefits....Broad spectrum bacteriostatic, fungistatic, algistatic activity on surfaces, durable attachment to a wide variety of surfaces, compatible, efficient, easily diluted in water.

Primary Use....Provide preservation for many types of articles against a wide variety of bacteria, fungi, and yeasts.

Polyurethane Foam....Treated with DOW CORNING® 5700 Antimicrobial Agent: (1) for lasting freshness and to prevent deterioration and discoloration caused by fungi and bacteria (2) to inhibit the growth of bacteria and mildew to prolong the life of the article; (3) to provide a durable, non-leachable antimicrobial treatment; (4) to provide hygienic freshness; (5) to provide a treatment that is not destroyed by repeated cleaning; (6) to resist the development of bacterial and fungal odors; (7) to retain its freshness by resisting growth of odor-causing bacteria and mildew (fungus); (8) for chemical protection to resist odors and (9) as an exclusive protective treatment that resists mildew and bacteria growth, plus being odor resistant.

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DOW CORNING CORPORATION, MIDLAND, MICHIGAN 48640 TELEPHONE 517 496-4000



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Chemical: 1-Octadecanaminium, N,N-dimethyl-N-(3-(t

PC Code: 107401

HED File Code 13000 Tox Reviews

Memo Date: 05/15/85

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HED Records Reference Center

06/30/2003