

JAN 27 1992

Dow Corning Corporation  
2200 West Salzburg Road  
Midland, MI 48686

Attn: Michael G. Hales

Subject: Dow Corning 5700 Antimicrobial Agent  
EPA Registration Number 34292-1  
Letter dated September 30, 1991

The labeling (New Product Information Sheets) referred to above, submitted in connection with registration under FIFRA, to include the use pattern "Antimicrobial Agent for Buffer Pads (Abrasive and Polishing), Antimicrobial for Air Filters, Antimicrobial Agent for Fiberglass Ductboard, and Antimicrobial Agent for Vacuum Cleaner Bags and Filters", is acceptable, provided that you :

1. Make the labeling (bulletins) changes listed below before you release the product for shipment bearing the amended labeling:
  - a. Change the word "Biocide" to "Microbiocide" wherever it may appear on the labeling (bulletin).
  - b. Under "Treat with Dow Corning 5700 Antimicrobial Agent", delete items 5 and 6 beginning with "to provide self-sanitizing surfaces...and ending with on the surfaces, wherever it may appear on the bulletins.
2. Submit five (5) copies of your final printed label before you release the product for shipment.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product bearing the amended labeling constitutes acceptance of these conditions.

CONCURRENCES

SYMBOL								
SURNAME								
DATE								

A stamped copy of the labeling is enclosed for your records.

If you have any questions concerning this letter, please contact Martha DeLaney at (703) 557-3675.

Sincerely,



John H. Lee  
Product Manager 31  
Antimicrobial Program Branch  
Registration Division H7505C

Enclosure

ACCEPTED  
with COMMENTS  
in EPA Letter Dated  
34292-1

JAN 27 1992

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.

Drafted 7/19/91

**ANTIMICROBIAL AGENT FOR FIBERGLASS DUCTBOARD**

**BACTERIOSTATIC, FUNGISTATIC AND  
ALGISTATIC ACTIVITY TO SURFACES  
WHICH ARE FOUND IN FIBERGLASS  
DUCTBOARD**

Fiberglass ductboard surfaces are preserved by the bacteriostatic, fungistatic, and algistatic action imparted by DOW CORNING® 5700 Antimicrobial Agent. Microbial contamination of the surfaces may result in odor problems, discoloration, and deterioration. Treatment by DOW CORNING® 5700 Antimicrobial Agent on the surfaces 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 fiberglass ductboard surfaces.

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

Directions for Use.....  
DOW CORNING® 5700 Antimicrobial Agent can be applied to fiberglass ductboard surfaces as a dilute aqueous solution to give 0.1 to 1.0% by weight of active ingredients. Aqueous solutions can be prepared by simply adding the Antimicrobial Agent to water with stirring. CAUTION: Poor agitation when adding this silane to water can result in locally high concentrations, which may form gel particles. Treatment can be by brushing, dipping, soaking, spraying, or fogging, or by using foam finishing techniques.

**DOW CORNING® 5700 ANTIMICROBIAL AGENT\*  
For Protection of Fiberglass Ductboard**

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

Type....Brand of Silicone Quaternary Amine

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

Typical Benefits....Broad spectrum bacteriostatic, fungistatic, algistatic activity on fiberglass ductboard surfaces; durable attachment to a wide variety of materials; compatible with a wide range of substrates; efficient; and easily diluted in water.

Primary Use....Preserve fiberglass ductboard against a wide variety of bacteria, fungi, and algae.

Treat with DOW CORNING® 5700 Antimicrobial Agent:  
(1) to prolong the life of the fiberglass ductboard by inhibiting the growth of bacteria (germs), fungi (mold, mildew and yeast), and algae; (2) to prevent deterioration and discoloration by providing a stable, non-leachable finish to the surface; (3) to provide a treatment that is not destroyed by repeated cleaning; (4) to provide hygienic and lasting freshness by inhibiting the growth of odor-causing microorganisms; (5) to provide self-sanitizing surfaces for use in pharmaceutical, food processing, and other applications. The product is not intended for use on surfaces that are subject to high temperatures or mechanical abrasion.

After applying the Antimicrobial agent, the substrate can be dried at temperatures from ambient to a maximum of 212°F(100°C) to effect complete condensation of silanol groups and to remove water and/or traces of methanol from hydrolysis. Optimum application and drying conditions, such as time and temperature, should be determined for each application before use in a commercial process.

EPA Accepted

**BEST AVAILABLE COPY**

ANTIMICROBIAL AGENT FOR VACUUM CLEANER BAGS & FILTERS

BACTERIOSTATIC, FUNGISTATIC, AND ALGISTATIC ACTIVITY TO SURFACES WHICH ARE FOUND IN VACUUM CLEANER BAGS AND FILTERS

ACCEPTED with COMMENTS

EPA Letter DOW CORNING® 5700 ANTIMICROBIAL AGENT\* For Protection of Vacuum Cleaner Bags & Filters

JAN 27 1992

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

Vacuum cleaner bag and filter surfaces are preserved by the bacteriostatic, fungistatic, and algistatic action imparted by DOW CORNING® 5700 Antimicrobial Agent. Microbial contamination of the surfaces may result in odor problems, discoloration, and deterioration. Treatment by DOW CORNING® 5700 Antimicrobial Agent on the surfaces 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 vacuum cleaner bag and filter surfaces. These surfaces include acetates, acrylics, cotton, fiberglass, nylon, polyester, polyethylene, polyolefins, polypropylene, rayon, vinyl, and wool.

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

Directions for Use..... DOW CORNING® 5700 Antimicrobial Agent can be applied to vacuum cleaner bag and filter surfaces as a dilute aqueous solution to give 0.1 to 1.0% by weight of active ingredients. Aqueous solutions can be prepared by simply adding the Antimicrobial Agent to water with stirring. CAUTION: Poor agitation when adding this silane to water can result in locally high concentrations, which may form gel particles. Treatment can be by

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under FIFRA Reg. No. 34292-1

Silicone Quaternary Amine

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

Typical Benefits...Broad spectrum bacteriostatic, fungistatic, and algistatic activity on vacuum cleaner bags and filter surfaces; durable attachment to a wide variety of materials; compatible with a wide range of substrates; efficient; and easily diluted in water.

Primary Use...Preserve vacuum cleaner bags and filters against a wide variety of bacteria, fungi, and algae.

Treat with DOW CORNING® 5700 Antimicrobial Agent: (1) to prolong the life of the vacuum cleaner bags and air filter material(s) by inhibiting the growth of bacteria (germs), fungi (mold, mildew and yeast), and algae; (2) to prevent deterioration and discoloration by providing a stable, non-leachable finish to the surface; (3) to provide a treatment that is not destroyed by repeated cleaning; (4) to provide hygienic and lasting freshness by inhibiting the growth of odor causing microorganisms;

[REDACTED]

brushing, dipping, soaking, spraying, or fogging, or by using foam finishing techniques.

After applying the Antimicrobial Agent, the substrate can be dried at temperatures from ambient to a maximum of 212°F(100°C) to effect complete condensation of silanol groups and to remove water and/or traces of methanol from hydrolysis. Optimum application and drying conditions, such as time and temperature, should be determined for each application before use in a commercial process.

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EPA Accepted

With Consultation  
in EPA Letter Dated:

JAN 27 1992

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.  
34292-1

Drafted 7/19/91

**ANTIMICROBIAL TREATMENT FOR AIR FILTERS**

**BACTERIOSTATIC AND FUNGISTATIC AND ALGISTATIC ACTIVITY TO SURFACES WHICH ARE FOUND IN AIR FILTERS**

Air filter surfaces are preserved by the bacteriostatic, fungistatic, and algistatic action imparted by DOW CORNING® 5700 Antimicrobial Agent. Microbial contamination of the surfaces may result in odor problems, discoloration, and deterioration. Treatment by DOW CORNING® 5700 Antimicrobial Agent on the surfaces 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 air filter surfaces. These surfaces include acetates, acrylics, cotton, fiberglass, nylon polyester, polyethylene, polyurethane foam, polyolefins, polypropylene, rayon, vinyl, and wool.

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

Directions for Use.....  
DOW CORNING® 5700 Antimicrobial Agent can be applied to air filter surfaces as a dilute aqueous solution to give 0.1 to 1.0% by weight of active ingredients. Aqueous solutions can be prepared by simply adding the Antimicrobial Agent to water with stirring. CAUTION: Poor agitation when adding this silane to water can result in locally high concentrations, which may form gel

**DOW CORNING® 5700 ANTIMICROBIAL AGENT\***  
For Protection of Air Filter Materials

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

Type....Brand of Silicone Quaternary Amine

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

Typical Benefits....Broad spectrum bacteriostatic, fungistatic, and algistatic activity on air filter surfaces; durable attachment to a wide variety of materials; compatible with a wide range of substrates; efficient; and easily diluted in water.

Primary Use....Preserve air filter materials against a wide variety of bacteria, fungi, and algae.

Treat with DOW CORNING® 5700 Antimicrobial Agent:  
(1) to prolong the life of the air filter material(s) inhibiting the growth of bacteria (germs), fungi (mold, mildew and yeast), and algae; (2) to prevent deterioration and discoloration by providing a stable, non-leachable finish to the surface; (3) to provide a treatment that is not destroyed by repeated cleaning; (4) to provide hygienic and lasting freshness by inhibiting the growth of odor-causing microorganisms;

~~(5) to provide a durable wash resistant finish to the surface of the air filter material(s) which is not destroyed by repeated cleaning; (6) to provide a durable wash resistant finish to the surface of the air filter material(s) which is not destroyed by repeated cleaning; (7) to provide a durable wash resistant finish to the surface of the air filter material(s) which is not destroyed by repeated cleaning; (8) to provide a durable wash resistant finish to the surface of the air filter material(s) which is not destroyed by repeated cleaning; (9) to provide a durable wash resistant finish to the surface of the air filter material(s) which is not destroyed by repeated cleaning; (10) to provide a durable wash resistant finish to the surface of the air filter material(s) which is not destroyed by repeated cleaning;~~

particles. Treatment can be by brushing, dipping, soaking, spraying, or fogging, or by using foam finishing techniques.

After applying the Antimicrobial agent, the substrate can be dried at temperatures from ambient to a maximum of 212°F(100°C) to effect condensation of silanol groups and to remove water and/or traces of methanol from hydrolysis. Optimum application and drying conditions, such as time and temperature, should be determined for each application before use in a commercial process.

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Drafted 7/19/91

ANTIMICROBIAL AGENT FOR  
FOR BUFFER PADS (ABRASIVE & POLISHING)

with COMMENTS  
EPA Letter Dated

BACTERIOSTATIC, FUNGISTATIC, AND  
ALGISTATIC ACTIVITY TO SURFACES  
WHICH ARE FOUND IN BUFFER PADS

JAN 27 1992

DOW CORNING® 5700 ANTIMICROBIAL AGENT\*  
For Protection of Buffer Pad Materials  
(Abrasive & Polishing)

Buffer pad surfaces are preserved by the bacteriostatic, fungistatic, and algistatic action imparted by DOW CORNING® 5700 Antimicrobial Agent. Microbial contamination of the surfaces may result in odor problems, discoloration, and deterioration. Treatment by DOW CORNING® 5700 Antimicrobial Agent on the surfaces inhibits the growth of microorganisms to aid in the control of these deleterious effects.

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended for the pesticide registered under EPA Reg. No. 34292-1

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

DOW CORNING® 5700 Antimicrobial Agent forms a durable wash resistant coating on a variety of buffer pad surfaces. These surfaces include acetates, acrylics, cotton, fiberglass, nylon, polyester, polyethylene, polyolefins, polypropylene, rayon, vinyl, and wool.

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

Directions for Use.....  
DOW CORNING® 5700 Antimicrobial Agent can be applied to buffer pad surfaces as a dilute aqueous solution to give 0.1 to 1.0% by weight of active ingredients. Aqueous solutions can be prepared by simply adding the Antimicrobial Agent to water with stirring. CAUTION: Poor agitation when adding this silane to water can result in locally high concentrations, which may form gel particles. Treatment can be by brushing,

Type....Brand of Silicone Quaternary Amine

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

Typical Benefits....Broad spectrum bacteriostatic, fungistatic, and algistatic activity on buffer pad surfaces; durable attachment to a wide variety of materials; compatible with a wide range of substrates; efficient; and easily diluted in water.

Primary Use....Preserve buffer pads against a wide variety of bacteria, fungi, and algae.

Treat with DOW CORNING® 5700 Antimicrobial Agent:  
(1) to prolong the life of the buffer pad material(s) inhibiting the growth of bacteria (germs), fungi (mold, mildew and yeast), and algae; (2) to prevent deterioration and discoloration by providing a stable, non-leachable finish to the surface; (3) to provide a treatment that is not destroyed by repeated cleaning; (4) to provide hygienic and lasting freshness by inhibiting the growth of odor-causing microorganisms;  
~~It also provides self-cleaning surfaces for use in hospitals, laboratories, and other areas where cleanliness is essential. It is also used to treat surfaces that are difficult to clean, such as the filters.~~

dipping, padding, soaking, spraying, or fogging, or by using foam finishing techniques.

After applying the Antimicrobial Agent, the substrate can be dried at temperatures from ambient to a maximum of 212°F(100°C) to effect complete condensation of silanol groups and to remove water and/or traces of methanol from hydrolysis. Optimum application and drying conditions, such as time and temperature, should be determined for each application before use in a commercial process.

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