JAN 27 1992

Dow Corning Corporation 2200 West Salzburg Road Midland, MI 48686

Michael G. Hales Attn:

Dow Corning 5700 Antimicrobial Agent Subject:

> 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 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).
 - 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.
 - 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 cancellatin in accordance with FIFRA sec. 6(e). Your release for shipment of the product bearing the amended labeling constitutes accepance of these conditions.

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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

it Inder the Federal Insecticide, i Fungicide, and Rodenticide Act amended, for the pesticide responsered under EPA Rog. 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 fiberductboard 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

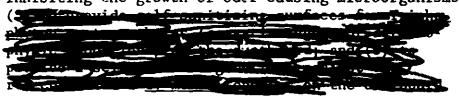
Type....Brand of Silicone Quaternary Amine

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 argae.

Treat with DOW CORNING® 5700 Antimicrobial Agent:
(1) to prolong the life of the Siberglass ductboard by inhibiting the growth of bacteria (germs), fungi (mold, mildew and yeast), and algae; (!) 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 odcr-causing microorganisms;



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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ANT-IM-ICROBIAL ACENT FOR VACUUM CLEANER BAGS & FILTERS

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

Vacuum cleaner bag and filter surfaces are preserved by the bacteriostatic, fungistatic, and an extraction imparted by a mended, for the posticide and algistatic action imparted by a mended, for the posticide and algistatic action imparted by a mended, for the posticide and algistatic action imparted by a mended, for the posticide and algistatic action imparted by a mended, for the posticide and analysis and algistatic action imparted by a mended, for the posticide and analysis and algistatic action imparted by a mended, for the posticide and analysis and algistatic action imparted by a mended, for the posticide and analysis and algistatic action imparted by a mended, for the posticide and analysis and analysis and algistatic action imparted by a mended, for the posticide and analysis and algistatic action imparted by a mended, for the posticide and analysis and algistatic action imparted by a mended, for the posticide and analysis and algistatic action imparted by a mended, for the posticide and analysis and algistatic action imparted by a mended, for the posticide and analysis and algistatic action imparted by a mended, for the posticide and analysis and algistatic action imparted by a mended, for the posticide and analysis and algistatic action imparted by a mended, for the posticide and analysis and algistatic action imparted by a mended, for the posticide and analysis and algistatic action imparted by a mended, for the posticide and analysis and algistatic action imparted by a mended, for the posticide and analysis and algistatic action and analysis and algistatic action and analysis and algistatic action and algistat

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

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

Ther the Federal Insecticide, EPA No. 34292-1

Fungicide, and Rodenticide Act. EPA Est. 34292-MI-01

34292 ()

rnysical 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 Artimicrobial 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;

brushing, dipping, soaking, spraying, or figging, 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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JAN 27 1992

Fungicide, and Sudenticide Acts amended, for the pesticide and superstands for the pesticide was amended under EPA Rog. No.

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ANTIMICROBIAL TRE

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

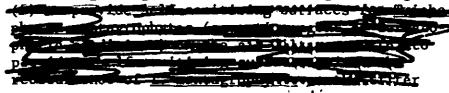
Type....Brand of Silicone Quaternary Amine

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;



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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ANTIMICROBIAL AGENT FOR FOR BUFFER PACCEPTED (ABRASIVE & POLISHING)

BACTERIOSTATIC, FUNGISTATIC, AND EPA Later Dated ALGISTATIC ACTIVITY TO SURFACES WHICH ARE FOUND IN BUFFER PADSIAN 27 1992

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.

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,

27 1992 For Protection of Buffer Pad Materials (Abrasive & Polishing)

Under the Federal Insecticide, Fangicide, and Rodouticide Act as amended, for the penticide regeneral under EPA Rog. No. by 342-73-

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

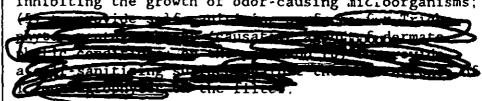
Type....brand of Silicone Quaternary Amine

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

Typical Benefits...Broad spectrum bacteriostatic, fungistatic, and algistatic activity on buffer pad surfaces; durable attachment to a wide vari ty 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 pagematerial(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 micloorganisms;



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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