

**DOW CORNING**

APR 21 1991 70-2  
**new product  
information**

**ACCEPTED**  
APR 23 1991

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act,  
as amended, for the pesticide  
registered under  
EPA Reg. No. 34292-2/19/91

**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® 5772 Antimicrobial Agent. Microbial contamination of the surfaces may result in odor problems, discoloration, and deterioration. Treatment by DOW CORNING® 5772 Antimicrobial Agent on the surfaces inhibits the growth of microorganisms to aid in the control of these deleterious effects.

DOW CORNING® 5772 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® 5772 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.

**DOW CORNING® 5772 ANTIMICROBIAL AGENT  
For Protection of Fiberglass Ductboard**

EPA No. 34292-2  
EPA Est. 34292-MI-01

**Type....Brand of Silicone Quaternary Amine**

**Physical Form....72% 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® 5772 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.

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 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**

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**

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

Buffer pad surfaces are preserved by the bacteriostatic, fungistatic, and algistatic action imparted by DOW CORNING® 5772 Antimicrobial Agent. Microbial contamination of the surfaces may result in odor problems, discoloration, and deterioration. Treatment by DOW CORNING® 5772 Antimicrobial Agent on the surfaces inhibits the growth of microorganisms to aid in the control of these deleterious effects.

DOW CORNING® 5772 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® 5772 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

**DOW CORNING® 5772 ANTIMICROBIAL AGENT**  
For Protection of Buffer Pad Materials  
(Abrasive & Polishing)

EPA No. 34292-2  
EPA Est. 34292-MI-01

Type....Brand of Silicone Quaternary Amine

Physical Form....72% 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® 5772 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.

locally high concentrations, which may form gel particles. Treatment can be by brushing, 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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**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 algistatic action imparted by DOW CORNING® 5772 Antimicrobial Agent. Microbial contamination of the surfaces may result in odor problems, discoloration, and deterioration. Treatment by DOW CORNING® 5772 Antimicrobial Agent on the surfaces inhibits the growth of microorganisms to aid in the control of these deleterious effects.

DOW CORNING® 5772 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® 5772 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

**DOW CORNING® 5772 ANTIMICROBIAL AGENT**  
For Protection of Vacuum Cleaner Bags & Filters

EPA No. 34292-2  
EPA Est. 34292-MI-01

Type....Brand of Silicone Quaternary Amine

Physical Form....72% 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® 5772 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.

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.

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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# new product information

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## 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® 5772 Antimicrobial Agent. Microbial contamination of the surfaces may result in odor problems, discoloration, and deterioration. Treatment by DOW CORNING® 5772 Antimicrobial Agent on the surfaces inhibits the growth of microorganisms to aid in the control of these deleterious effects.

DOW CORNING® 5772 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® 5772 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.

### DOW CORNING® 5772 ANTIMICROBIAL AGENT For Protection of Air Filter Materials

EPA No. 34292-2  
EPA Est. 34292-MI-01

Type....Brand of Silicone Quaternary Amine

Physical Form....72% 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® 5772 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.

**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.

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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