

AEM 5700 Antimicrobial (AEGIS Microbe Shield)

SOLUTION

COMMERCIAL

READ THE LABEL BEFORE USING

REGISTRATION NO. 15133 PEST CONTROL PRODUCTS ACT

ACTIVE INGREDIENT: 3-(TRIMETHOXYSILYL)-PROPYLDIMETHYLOCTADECYL
AMMONIUM CHLORIDE 42%

SKIN IRRITANT

CONTAINS 50.3% METHANOL

DANGER



POISON

FLAMMABLE

KEEP OUT OF REACH OF CHILDREN.

LOT NO.

NET CONTENTS (16 kg, 170 kg or 29 - 950 ml)

™Trademark of AEGIS Environmental Management, Inc. U.S.A.
MADE IN U.S.A.

ÆGIS Environmental Management, Inc.
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Emergency Tel: 1-800-535-5053

NOTICE TO USER: This pest control product is to be used only in accordance with the directions on the label. It is an offence under the Pest Control Products Act to use this product in a way that is inconsistent with the directions on the label.

DO NOT use this product on manufactured products intended for food/feed contact surfaces. DO NOT contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes.

DIRECTIONS FOR USE:

INDUSTRIAL USES

MATERIAL PRESERVATION IN MANUFACTURING PROCESSES: A final bacteriostatic, fungistatic, and algistatic preservative in the presence of moisture, for the control of bacteria, fungi, yeasts, and algae. Apply AEM 5700 Antimicrobial (AEGIS Microbe Shield) to give 0.1 to 1.0 percent by weight of the active ingredient. Incorporate AEM 5700 Antimicrobial (AEGIS Microbe Shield) into the following end use products: Manufactured Products for Non-Food Contact Uses

Air Filters/Air Filter Material

Apparel/Finished Goods – underwear, outerwear, socks, hosiery, domestic goods

Aquarium Filter Material

Bedding, Carpet, Draperies, Linens, Upholstery

Fiberglass/Fiberglass Ductboard

Polyurethan Foams – closed and open-cell, flexible, rigid, semi-rigid

Plastic/Plastic Products (includes nylon and vinyl)

Roofing Materials

Rubber/Rubber Products

Shoes/Shoe Components

Textiles/Woven and Non-Woven Fabrics/Fiberfill/Fibers/Cordage (natural and synthetic)

INDUSTRIAL APPLICATIONS

Incorporate AEM 5700 Antimicrobial (AEGIS Microbe Shield) directly into formulations used to make the end-use products listed above, or dilute it with water or with organic solvents such as alcohols, ketones, esters, hydrocarbons and chlorinated hydrocarbons and then apply it to the organic and inorganic surfaces to give 0.1 to 1.0 percent by weight of active ingredient. Prepare the solutions by adding the antimicrobial agent to the solvent with stirring. Substrates can be treated by brushing, dipping, padding, soaking, spraying, fogging or by using foam finishing techniques. After applying the antimicrobial agent, dry the substrate at temperatures from ambient to a maximum of 160°C (320°F) to effect complete condensation of silanol groups and to remove water, solvents 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 an industrial process.

COMMERCIAL USES: ON-SITE TREATMENT

To impart durable, broad-spectrum, antimicrobial protection to existing non-food contact surfaces (porous or non-porous) to control and/or prevent microbial growth.

COMMERCIAL APPLICATION

Dilute AEM 5700 Antimicrobial (AEGIS Microbe Shield) in water to obtain a solution of 0.1 to 1.0 percent active ingredient by weight. Prepare the aqueous solutions by adding the antimicrobial agent to water with stirring. Apply an even coating of solution to organic and inorganic surfaces to be treated by wiping, brushing or spraying to adequately wet the surfaces. Following application, actively ventilate (i.e. open windows and use a fan or other active means of ventilation to remove any methanol vapors from the room) and heat all treated surfaces to facilitate rapid drying. **DO NOT RE-ENTER TREATED AREAS WITHOUT PERSONAL PROTECTIVE EQUIPMENT UNTIL ALL SURFACES ARE DRY** and for a minimum of 12 hours.

LIMITATIONS OF USE: To be applied by personnel of AEGIS Environmental Management, Inc. or by applicators trained and certified by AEGIS.

PRECAUTIONS: KEEP OUT OF REACH OF CHILDREN • DANGER! CORROSIVE. Causes irreversible eye damage and skin burns • **SKIN IRRITANT • METHANOL MAY CAUSE BLINDNESS** • May be fatal if inhaled • **DO NOT BREATHE SPRAY MIST OR VAPORS** • May be harmful or fatal if swallowed or absorbed through the skin. • Appropriate measures must be taken to prevent accumulation of hazardous concentrations of methanol vapours in the work area • **DO NOT** get in eyes, on skin or on clothes • **COMBUSTIBLE. DO NOT** use or store near heat or open flame • **WHEN HANDLING, MIXING OR APPLYING THIS CONCENTRATE PRODUCT, WEAR WATERPROOF COVERALLS, nitrile, neoprene, butyl or latex gloves, RUBBER BOOTS, AN APPROPRIATE RESPIRATOR, AND GOGGLES OR A FACE SHIELD.** • Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. • Avoid touching eyes and face until you have washed your hands. • Never use the mouth to siphon product from containers or to blow out clogged lines, nozzles, etc. • Launder clothing separately from other clothing before reuse. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. **DO NOT** reuse them. • Users should remove personal protective equipment immediately after handling this product. Wash the outside of the gloves before removing. Remove clothing immediately if pesticide comes into contact with skin through soaked clothing or spills. Wash skin thoroughly and put on clean clothes.

- Follow manufacturer's instructions for cleaning/maintaining personal protective equipment (PPE). If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry. • **DO NOT** apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application.

FIRST AID:

IF SWALLOWED: Call a poison control centre or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give anything by mouth to an unconscious person.

IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control centre or doctor for further treatment advice.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15–20 minutes. Call a poison control centre or doctor for treatment advice.

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15–20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control centre or doctor for treatment advice.

Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

TOXICOLOGICAL INFORMATION: Treat symptomatically.

ENVIRONMENTAL HAZARDS

AEM 5700 Antimicrobial (AEGIS Microbe Shield) is toxic to aquatic organisms. This antimicrobial agent, by standard BOD (biological oxygen demand) and TOD (total oxygen demand) determination, does not appear to be biodegradable. Potential harm to the environment is minimized, however, because of the minimal amount of chemical applied and its durable coupling to surfaces.

Do not discharge into lakes, streams, ponds, or public waters. For guidance, contact the regional office of Environment Canada.

DECONTAMINATION: Inactivation/neutralization of solutions containing AEM 5700 Antimicrobial (AEGIS Microbe Shield) may be accomplished by the addition of an anionic surfactant or detergent in quantify equivalent to that of AEM 5700 Antimicrobial (AEGIS Microbe Shield) in solution.

Every effort should be made to contain accidental spills of AEM 5700 Antimicrobial (AEGIS Microbe Shield) to the immediate area. This may be accomplished by the use of sandbags to confine the spill to facilitate cleanup and disposal. Contaminated sand may then be disposed of by burial in an approved landfill. Many minor spills may be cleaned up with rags by wiping and/or mopping and allowing the liquid to absorb onto the fabric. The rags may then be disposed of by incineration. Floor drains in areas of material use should be protected with absorbent material or barrier material (i.e. sandbags) to contain accidental spills.

PHYSICAL OR CHEMICAL HAZARDS:

Flammable. Keep away from heat and open flame.

STORAGE: When stored in original, unopened containers at or below 25°C (77°F), AEM 5700 Antimicrobial (AEGIS Microbe Shield) has a minimum shelf life of 12 months from date of shipment. Since this material is moisture-sensitive, keep tightly closed until ready to use. Reclose container tightly after each use. Do not store or use near heat or open flame. Keep away from food.

DISPOSAL:

1. Triple or pressure rinse the emptied container. Add the rinsings to treatment site.
2. Follow Provincial instructions for any required additional cleaning of the container prior to its disposal.
3. Make the empty container unsuitable for further use.
4. Dispose of the container in accordance with Provincial requirements.
5. For information on the disposal of unused, unwanted product and the cleanup of spills, contact the provincial regulatory agency or the manufacturer. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean-up of spills.