

AEM 5772-EP Antimicrobial SOLUTION

A Silane Quaternary Ammonium Salt

COMMERCIAL MANUFACTURING

READ THE LABEL BEFORE USING

REGISTRATION NO. 28541 PEST CONTROL PRODUCTS ACT

GUARANTEE: 3-(TRIMETHOXSILYL)-PROPYLDIMETHYLOCTADECYL
AMMONIUM CHLORIDE 72.1%

SKIN IRRITANT

CONTAINS 12% METHANOL

DANGER



POISON

FLAMMABLE

KEEP OUT OF REACH OF CHILDREN.

LOT NO.

NET CONTENTS (18 kg, 180 kg)

TMTrademark of AEGIS Environmental Management, Inc. U.S.A.

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MADE IN U.S.A. PRINTED IN U.S.A.

NOTICE TO USER: This pest control product is to be used only in accordance with the directions on the label. It is an offense under the Pest Control Products Act to use this product in a way that is inconsistent with the directions on the label. The user assumes the risk to persons or property that arises from any such use of this product.

AEM 5772-EP Antimicrobial can be used in the manufacturing process for the following substrates to impart durable, broad-spectrum, antimicrobial protection:

- Air filters/filter materials
- Aquarium filter material
- Bed sheets, blankets and bedspreads
- Buffer pads (abrasive and polishing)
- Carpet and draperies
- Fiberfill for upholstery, sleeping bags, apparel, etc., where the fiber is cotton, natural down, nylon, polyester, rayon or wool
- Fiberglass ductboard
- Fire hose fabric
- Humidifier belts
- Mattress pads and ticking
- Men's underwear and outerwear
- Nonwoven disposable diapers
- Nonwoven polyester
- Outerwear Apparel
- Disposable polyurethane foam cushions for Lapidus Airfloat Systems
- Polyurethane foam for household, industrial and institutional sponges and mops
- Polyurethane and polyethylene foam, when covered
- Polyurethane foam for packaging and cushioning in non-food contact applications
- Polyurethane foam used as a growth medium for non-food crops and plants
- Pre-moistened towelettes and tissue wipes (these do not impart pesticidal properties)
- Roofing materials - defined as shingles, roofing granules, felt, stone and synthetic overcoats
- Sand bags, tents, tarpaulins, sails and ropes
- Athletic and casual shoes
- Shoe insoles
- Shower curtains
- Socks composed of nylon, nylon/orlon, cotton/nylon, linen/Lycra®1, acrylic/polypropylene/nylon/Lycra, wool/silk/nylon/Lycra and wool/acrylic/nylon/Lycra; provides residual self-sanitizing activity against athlete's foot fungus (Tricophyton mentagrophytes) on the sock, durable for up to 10 repeated washings, prevents 99.9 percent of the growth of athlete's foot fungus on the sock
- Throw rugs
- Toweling made of 100 percent cotton, 100 percent polyester, and blends of the two fibers
- Toilet tank and seat covers
- Umbrellas
- Upholstery made of acetates, acrylics, cotton, fiberglass, nylon, polyester, polyethylene, polyolefins, polypropylene, rayon, spandex, vinyl and wool

- Vacuum cleaner bags and filters
- Vinyl paper-wallpaper for non-food contact surfaces
- Disposable wiping cloths that can be used for multiple purposes such as dusting or washing furniture, cars, walls, windows, floors, appliances, dishes, counter tops, etc.; the wiping cloths do not impart pesticidal properties
 - Women's hosiery
 - Women's intimate apparel

DIRECTIONS FOR USE

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.

AEM 5772-EP Antimicrobial can be incorporated directly into formulations used to make the end-use products listed above. For example, it can be incorporated into a polyurethane foam formulation during the manufacturing process. Protection is attained because the active ingredient orients on the surface of the cured foam. AEM 5772 Antimicrobial can also be diluted with water or with organic solvents such as alcohols, ketones, esters, hydrocarbons and chlorinated hydrocarbons and then applied to organic and inorganic surfaces to give 0.1 to 1.0 percent by weight of active ingredient. Solutions can be prepared by adding the antimicrobial agent to the solvent with stirring.

CAUTION: Poor agitation when adding this silane to water can result in locally high concentrations, which may form gel particles. 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.

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 VAPOR • 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 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 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 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 5772-EP Antimicrobial is toxic to aquatic organisms. 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 5772-EP Antimicrobial may be accomplished by the addition of an anionic surfactant or detergent in quantify equivalent to that of AEM 5772-EP Antimicrobial in solution. Every effort should be made to contain accidental spills of AEM 5772-EP Antimicrobial to the immediate area. This may be accomplished by the use of sandbags to confine the spill and 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 5772-EP Antimicrobial 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 empty 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 contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean-up of spills.

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