

ARMATREX™ ANTIMICROBIAL A SILANE QUATERNARY AMMONIUM SALT

Armatrex can be used as a final bacteriostatic finish to impart fungistatic (mold and mildew), or algistatic activity that provides freshness, reduces surface deterioration, or microbiologically induced corrosion. An antimicrobial agent inhibits the growth of odor causing bacteria, fungi, mold, mildew, and algae.



LONG LASTING RESIDUAL PROTECTION

- Up to 90 days of protection
- Enhances biosecurity when used in conjunction with proper cleaning and disinfection protocols
- Antimicrobial coating serves an invisible and durable barrier that continues to kill bacteria after applied



BROAD ANTIMICROBIAL SPECTRUM

- Bacteriostatic
- Fungistatic
- Algistatic



APPROVED AND CONVENIENT

- EPA registered spray-on antimicrobial solution for use in livestock **and** companion animal facilities
- Electrostatic technology provides uniform coverage of treated surfaces, decreasing product waste
- No need for mixing or measuring, ready to administer formulation



APPLY TO MULTIPLE LOCATIONS

- From delivery trucks and silos, to veterinary clinics and quarantine pens, Armatrex is made to fit any operation's biosecurity needs
- Protects while reducing surface deterioration, or microbiologically induced corrosion

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

FOR COMMERCIAL & INDUSTRIAL USE

ARMATREX can be used as a final bacteriostatic finish for the following sample structures, facilities, and locations:

Locations: Veterinary clinics, laboratories, animal laboratories, animal research centers, animal quarantine areas, animal holding areas, kennels, animal hospitals, animal breeding facilities, breeding establishments, animal husbandry establishments, grooming establishments, animal housing facilities, zoos, tack shops, pet shops, operating rooms, washing areas, waiting rooms, examination rooms, animal care facilities; livestock, equine and poultry based veterinary facilities; restrooms, shower and bath areas.

Farmhouses, barns, sheds, cattle, swine, sheep, horse barns; calf hutches, feed silos and storage facilities, pens and stalls, swine quarters, livestock farms, brooder houses; calving, hog, cattle and horse operations, livestock pens, exotic animal farming operations: swine waterers, feeders and hauling equipment; dairy farming operations (barns and milk houses); delivery trucks; swine premises including: farrowing barns and areas, nurseries, blocks, creep areas, and chutes; poultry and turkey farms inclusive of: breeder, pullet, and broiler farms; poultry premises (hatcheries) including: egg trucks, egg receiving areas, egg holding areas, tray dumping areas, setter rooms, hatchers, chick holding areas, food processing and food manufacturing plants; USDA inspected food-processing facilities; federally inspected meat and poultry plants; egg processing plants; meat packing plants; hide and leather processing plants; slaughtering operations; fish processing facilities; commercial fishing processing vessels; grain milling and storage operations, chick processing areas, chick loading areas, poultry buildings including public spaces, chick vans, hatchery and farm vehicles, poultry transport vehicles.

Surfaces: Poultry farm equipment, egg conveyors, hen boxes, egg pads, litter, hatchers, setters, trays, racks, egg flats, chick boxes, egg cases, vans and trash containers, water lines, feed conveyors, carts, sexing tables; automated tray, rack and buggy washers; egg receiving and egg holding areas, conveyor systems and belts; hard non-porous surfaces, veterinary equipment, case goods, kennel runs, cages, kennel/cage floors, conductive flooring, examination tables, veterinary x-ray tables, loading platforms, animal equipment; farming equipment, harvesting and handling equipment; air filters for furnaces, air-conditioners, air purification devices, recirculating air handling systems, waste receptacles, washing machines. Building materials and components for floors, walls, ceilings and fixtures; insulation, cabinetry, wallboard, wood and wood components: cellulosic sheathing, sealed foundations, plumbing fixtures, lighting fixtures, metal structural components, vinyl, stone, roofing materials, brick, cement, concrete, masonry materials (mortar), composite materials, painted surfaces, glass surfaces, aluminum, brass, copper, laminated surfaces, metal, plated steel, stainless steel; glazed porcelain, tile, and ceramic; sealed granite and marble; plastic, sealed limestone, slate, and stone; chrome, Plexiglas®, enameled surfaces, Formica®; water supply lines and tubing; countertops, bathroom and kitchen sinks; shelves, racks, fabrics: natural, synthetic, woven and non-woven; Personal Protective Equipment (PPE).

FOR USE AS AN ANTIMICROBIAL UNDER EPA REGULATIONS

DIRECTIONS PRIOR TO COMMERCIAL & INDUSTRIAL USE

This product can be applied to organic or inorganic substrates by spraying.

Dry substrates 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. If necessary, reapply this product every three months (90 days) or when odor, staining, and discoloration due to bacteria, mold, or mildew returns.

Test fabric or surface in an inconspicuous area for color fastness or adverse reaction.

For Pump Spray Application: Spray entire area 4 to 6 inches from the surface making sure the surface is completely covered. Apply and then let stand until dry or let stand 3 minutes and wipe dry with cloth or sponge. If spotting occurs, wipe with moist cloth or sponge.

Test for staining and color-fastness of fabrics and carpets by treating and drying a small, concealed area prior to application. When treating coarser substrates, more of this product may be required due to absorption. A fan may be used to assist in drying.

For Commercial Spray Application Fabric: For commercial application equipment (i.e. carpet/upholstery steamers, rotary jet extraction cleaners, pressure sprayers) apply without dilution and then let stand until dry or let stand 3 minutes and wipe dry with cloth or sponge. If spotting occurs, wipe with moist cloth or sponge. Test for staining and color-fastness of fabrics and carpets by treating and drying a small, concealed area prior to application. When treating coarser substrates, more of this product may be required due to absorption. Spray application is preferred on large surfaces that are easily accessible. The spray equipment chosen should provide a consistent fine (1-300 micron) particle size and uniform spray pattern.

Pump up garden type sprayers can be used but care must be taken to maintain maximum pressure by pumping frequently and adjusting the spray nozzle for the finest spray pattern possible.

During application achieve complete uniform coverage. Avoid excessive wetting and do not allow the spray to run or pool. Excess moisture should be removed with a clean, dry towel.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage and disposal. Keep from freezing.

Storage: Store in original, tightly closed containers below 30°C (86°F) and above 0°C (32°F) in a secure area inaccessible to children and away from food or feed.

Pesticide Disposal: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

Container Disposal: Non-Refillable Container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip back and forth several times. Turn the container over onto its other end and tip back and forth several times. Follow Pesticide Disposal instructions for rinsate disposal. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS:

Causes moderate eye irritation. Avoid contact with eyes. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish in its liquid form. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

De-activation may be required during clean up if a spill occurs. De-activation of this product can be achieved by the addition of an anionic surfactant (such as soaps, sulfonates, sulfates) in quantities equivalent to the percentage of active ingredient(s) in this product.

FIRST AID

In case of emergency, call a poison control center or doctor for treatment advice. Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

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.

For general information on product use, etc., call 1-800-858-7378. You may also contact 1-303-595-4869, the poison control center, for emergency medical treatment information.

