

ANTIMICROBIAL AGENT EFFECTIVE AGAINST MOLD AND MILDEW

MOLDSTAT™

COMMERCIAL

MOLD & MILDEW PROTECTOR

- Creates an invisible barrier to inhibit the growth of mold and mildew.
- Prevents deterioration caused by bacteria and mold and mildew.
- Resists development of stains due to mold and mildew.
- Microbiostatic Agent*

*A microbiostatic agent is an agent that inhibits the growth of odor causing bacteria, bacteria which cause staining and discoloration, fungi (mold and mildew), and algae.

ACTIVE INGREDIENT:
3-(trimethoxysilyl) propyldimethyloctadecyl ammonium chloride..... 5.0%

OTHER INGREDIENTS:..... 95.0%

TOTAL INGREDIENTS:..... 100.00%

STEP 3

EPA Reg. No. 87583-2-9367 EPA Est. No. 9367-FL-1

KEEP OUT OF REACH OF CHILDREN WARNING

Net Contents: 1 U.S. Gallon (3.785L)

This product does not protect users or others against food-borne or disease-causing bacteria. The active ingredient in this product is effective against odor causing bacteria, bacteria which cause staining and discoloration, fungi (mold and mildew) and algae as a static agent.

DIRECTIONS FOR USE

Approved Commercial and Industrial Applications

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

Wear protective eyewear (goggles or face shield) and gloves when using this product. Dry treated areas and articles such as clothing before use. Remove children and pets from treated area until completely dry.

Prepare solution by simply adding this product to water or other solvents (for example, alcohol and ketones) and stirring. This product can be diluted by following:

Amount of Water	1 quart (32 fl. oz.)	0.5 gallon (64 fl.oz.)	1.0 gallon (128 fl. oz.)	5.0 gallons (640 fl. oz.)
This Product	4 fluid ounces	8 fluid ounces	16 fluid ounces	80 fluid ounces

The solution can then be applied to organic or inorganic substrates by brushing, dipping, padding, soaking, spraying or fogging.

FOGGING: This product is for porous and non-porous surfaces. All surfaces must be cleaned in accordance with label directions prior to fogging. Fogging is a supplement to normal cleaning procedures and practices. 1. Prior to fogging, remove and carefully protect all food products and packaging materials. 2. Ensure room is properly ventilated. Wear a dust mist respirator when mixing the use solution and pouring it into the fogging apparatus. Vacate all personnel from the room during fogging and for a minimum of 2 hours after fogging and a minimum of 4 air exchanges (ACH) per hour in the facility. Ensure there is no strong odor which is characteristic of acetic acid, before allowing personnel return to work area. 3. Fog areas using one quart per 1000 cu. ft. of room area with 0.3% (3.5 fl. oz. per 10 gallons of water) (or equivalent use dilution) solution. 4. Allow surfaces to drain thoroughly and air dry before operations are resumed.

PADDING: Fabric should be previously scoured and/or dyed and neutralized. Alkalinity may prohibit this product from attaching to fabric. pH of fabric should be less than 5.5 to aid pick up. Determine an accurate wet pick up. It is preferable that fabric be padded wet on dry. However, if wet on wet finishing is necessary, it is imperative that an accurate exchange rate be calculated to effect enough product to fabric. Make up solution of this product in head tank or side tank near (The amount of this product will be 4-5% on the weight of the goods). Calculate amount needed adjusting for wet pick up of fabric being padded. If vacuuming is used, make adjustment for this also. Drop solution to pad and run fabric through pad. 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 or when odor, staining and discoloration due to bacteria, mold stains, and mildew stains return.

This product when used as a concrete additive is added directly concrete preparation. Use 6 fluid ounces this product per cubic feet of concrete. Add to water before addition of concrete. Addition of this product reduces deterioration of sewer pipes and manholes by inhibiting microbiologically induced corrosion.

This product when used as an additive for paints and coatings is added directly during preparation of the paint or coating. Use 5 pounds of this product per 100 pounds of paint or coating (or 1 pound this product per 20 pounds paint/coating). The addition of the antimicrobial agent (this product) to paints at the point of manufacture preserves the paint in the can as well as the dried paint film. This product inhibits the growth of odor causing bacteria, bacteria which causes staining and discoloration, fungi (mold and mildew), and algae on the surface of dried films and coatings.

Approved Commercial and Industrial applications

This product can be used as a final bacteriostatic finish on the following items to impart bacteriostatic/fungistatic (mold and mildew) activity. Air filters/materials, Bed sheets, blankets, and bedspreads, Carpets and draperies, Exterior walls (such as stone, concrete, brick), Fiberfill for upholstery, sleeping bags, apparel, where the fiber is cotton, natural down, nylon, polyester, rayon, or wool, Fiberglass duct board, Mattress pads and ticking, Non-woven polyester, Polyurethane and cellulose foam for 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, Sand bags, tents, tarpaulins, sails, and ropes, Shower curtains, Throw rugs, Toilet Tank and seat covers, Umbrellas, Upholstery made of acetates, acrylics, cotton, fiberglass, nylon, polyester, polyethylene, polyolefins, polypropylene, rayon, spandex, vinyl, wool, Vacuum cleaner bags and filters, Vinyl paper-wallpaper for non-food contact surfaces

Approved commercial appliances used in offices, automobiles and institutions e.g., schools, hospitals, daycare centers churches, correctional facilities

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

Wear protective eyewear (goggles or face shield) and gloves when using this product. Dry treated areas and articles such as clothing before use. Remove children and pets from treated area until completely dry. Clean surfaces prior to application.

For Pump Spray Application: Dilute 8 ounces of this product per gallon of water (2 oz. per quart). Using pump sprayer, spray entire area 4'-6" 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 of 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. This product treats approximately 200 square feet per diluted gallon of water. When treating coarser substrates, more product may be required due to absorption. A fan may be used to assist in drying carpet.

For Commercial Spray Application: For commercial application equipment (i.e. carpet/upholstery steamers, rotary jet extraction cleaners, and pressure sprayers) dilute 8 ounces of this product per gallon of water (2oz. per quart); mix well. 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. This product treats approximately 200 square feet per diluted gallon of water. When treating coarser substrates, more product may be required due to absorption. Dry carpet areas and surfaces before re-entry and dry articles before use. A fan may be used to assist in drying carpet.

For Dipping/Soaking Application: Use appropriate sized wash basin or tub for dipping/soaking the item you are treating. Use enough product solution to completely submerge item. Dilute 8 ounces of this product per gallon of water (2oz. per quart); mix well. Completely submerge item in solution for 3 minutes. Remove item and dry. Test for staining and color-fastness of fabrics by treating and drying a small, concealed area prior to application. Do not reuse solution after dipping/soaking. The substrate can be dried at room temperature or at temperatures to a maximum of 160°C (320°F), for example in a clothes dryer. Remove excess liquid before attempting to dry in a clothes dryer. If necessary, reapply this product every three months or when odor, staining and discoloration due to bacteria, mold stains, and mildew stains return.

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING: Causes substantial but temporary eye injury. Harmful if absorbed through skin or inhaled. Do not get in eyes. Avoid contact with skin and avoid breathing vapor. Wear protective eyewear (goggles or face shield). Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish. 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 anionic surfactant (such as soap, sulfonates, sulfates) in quantity equivalent to that of this product.

STORAGE AND DISPOSAL

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

Pesticide 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:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. **Container Handling:** Non-refillable container. Do not reuse or refill this container. Triple rinse container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Dispose of rinsate as a pesticide waste. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

FOR MORE INFORMATION CONCERNING THIS PRODUCT, PLEASE CONSULT THE MATERIAL SAFETY DATA SHEET (MSDS).
IMPORTANT: WARRANTY AND DISCLAIMER INFORMATION Theochem Laboratories, Inc. warrants that the product conforms to its chemical description and is reasonably fit for the purposes stated in this bulletin when used in accordance with directions under normal conditions of use; but this warranty of fitness for a particular purpose does not extend to the use of this product contrary to bulletin instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to the seller, and buyer assumes the risk of any such use.

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