

Imparts microbiostatic properties.

Provides an invisible microbiostatic coating to inhibit the growth of odor causing bacteria, bacteria which cause staining and discoloration, fungi (mold and mildew) and algae.

Bacteriostatic, fungistatic (mold and mildew), algaestatic.

Approved for use on food contact surfaces.

Creates an invisible barrier to inhibit the growth of mold to keep indoor and outdoor surface mold free for up to 3 months.

24-hour protection.

DIRECTIONS FOR USE

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), gloves, and protective clothing 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.

Microbarrier Prime™ is a READY TO USE product only.

Microbarrier Prime™ can be applied to organic or inorganic substrates by brushing, dipping, padding, soaking, spraying, or by using foam finishing techniques.

The substrate can be dried 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 Microbarrier Prime™ every three months or when odor, staining and discoloration due to bacteria, mold stains, mildew stains, and algae stains return.

Microbarrier Prime™ when used as a concrete additive is added directly during concrete preparation. Use 40 fluid ounces per cubic feet of concrete. Addition of Microbarrier Prime™ reduces deterioration of sewer pipes and manholes by inhibiting microbiologically induced corrosion.

For Pump Spray Application: Microbarrier Prime™ is a READY TO USE product only. 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 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. One gallon of Microbarrier Prime™ treats approximately 200 square feet. When treating coarser substrates, more Microbarrier Prime™ may be required due to absorption. A fan may be used to assist in drying carpeting.

For Commercial Spray Application: Microbarrier Prime™ is a READY TO USE product only. For commercial application equipment (i.e. carpet/upholstery steamers, rotary jet extraction cleaners, electrostatic sprayers, pressure sprayers) 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. One gallon of Microbarrier Prime™ treats approximately 200 square feet. When treating coarser substrates, more Microbarrier Prime™ 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 carpeting.

For Dipping/Soaking Application: Microbarrier Prime™ is a READY TO USE product only. Use appropriate sized wash basin or tub for dipping/soaking the item to be treated. One gallon of Microbarrier Prime™ treats approximately 200 square feet of items of hard surface or approximately 8 pounds of fabric. The item must be fully submerged in Microbarrier Prime™ for at least 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 temperatures 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 Microbarrier Prime™ every three months or when odor, staining and discoloration due to bacteria, mold stains, mildew stains, and algae stains return.

****FOR USE AS AN ANTIMICROBIAL TO PRESERVE FINISHED FOOD CONTACT ARTICLES SUBJECT TO FDA REGULATIONS.**

EPA Reg. No. 53053-24-63679

EPA Est. No. 53053-NC-01

Manufactured in USA
Sold by: PSSI Chemical Innovations,
3729 Peddle Hollow Rd.
Kielers, WI 53812
Phone: 608.568.3841



MICROBARRIER PRIME™

MICROBIOSTATIC AGENT*

For use as an antimicrobial preservative under EPA and FDA Regulations to preserve food contact articles. (Food Preparation Surfaces, Polymeric Tubing for Beverages) subject to FDA Regulations.**

KEEP OUT OF REACH OF CHILDREN CAUTION

Active Ingredient: 3-(trihydroxysilyl) propyldimethyloctadecyl ammonium chloride	0.75%
Other Ingredients:	99.25%
TOTAL INGREDIENTS:	100.00%

* A microbiostatic agent is an agent that inhibits the growth of odor causing bacteria and fungi (mold and mildew), bacteria and fungi (mold and mildew) which cause staining and discoloration, and algae. This product does not protect users or others against food-borne or disease-causing bacteria or fungi.

FIRST AID

Have the product container or label with you when calling the poison control center or doctor, or going for treatment.

IF ON SKIN: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center 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 mouth-to-mouth, if possible. Call a poison control center 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, and then continue rinsing. Call a poison control center or doctor for treatment advice.

IF SWALLOWED: Call a poison control center 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 center or doctor. Do not give anything by mouth to an unconscious person.

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION. Causes moderate eye irritation. Avoid contact with skin, eyes and clothing. Harmful if inhaled or absorbed through the skin. Avoid breathing vapors or spray mist. Wear protective eyewear and protective clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using the toilet. Remove contaminated clothing and wash before reuse.

ENVIRONMENTAL HAZARDS

Commercial and Industrial uses: 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 required during clean up if a spill occurs. De-activation of Microbarrier Prime™ can be achieved by the addition of anionic surfactant (such as soap, sulfonates, sulfates) in quantity equivalent to that of this product.

Lot No.: _____

NET CONTENTS: 55 GALLONS

Incorporate Microbarrier Prime™ Microbiostatic Agent as an antimicrobial additive to coat the polymeric manufactured products listed below that are used for manufacturing, processing, packing, packaging, transporting, handling and/or holding food or water if such use is not intended to have any effect in the food or water itself. Do not incorporate Microbarrier Prime™ Microbiostatic into any food or water contact application listed on this label unless the substance is approved, with associated use conditions, for food or water contact in **21 CFR 174-186** (inclusive) as amended or in the US FDA's Food Contact Substance Notification System, as amended.

Food Preparation Surfaces

This Food Contact Substance (FCS) can be used as an additive without food or beverage type or temperature limitation, in food or beverage preparation and processing surfaces (where FCS is applied to the surface as a coating).

Use:

Food contact surface coatings, films and laminates.

Products:

- Appliances, equipment and utensils, (used in preparing and processing of food products for human and animal consumption)
- Building materials and components, (used in food preparation and processing areas)
- Collection and storage equipment (such as conveyor systems, piping systems, silos, tanks, and process vessels made from any material)
- Cookware made from any material
- Countertops and cutting boards made from composite materials, stainless steel, laminates
- Food wrap (including coated deli paper, coated food interleaves, plastic wrap, polystyrene and plastic trays, aluminum foil)
- General purpose containers of any material for short and long term storage
- Industrial equipment and machinery for the preparation, processing or transportation of food and beverage products
- Sinks and other vessels used for cleaning or transporting food and beverage products

Maximum Concentration: 1% active weight percent of resin, laminate, or coating.

One gallon of Microbarrier Prime™ treats approximately 200 square feet of item.

Polymeric Tubing for Beverages

Polymeric tubing for transfer of beverages and drinking water.

Use:

Food contact molded plastic and metal parts.

Products:

- Beverage dispensing equipment tubing
- Beverage processing equipment tubing
- Holding tanks
- Pump

Maximum Concentration: 1% active weight percent of finished tubing.

One gallon of Microbarrier Prime™ treats approximately 200 square feet of the item.

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 on site or at an approved waste disposal facility.

Container Handling: Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 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 it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling if available, or puncture and dispose in a sanitary landfill, or by other procedures approved by state and local authorities.

FOR MORE INFORMATION CONCERNING THIS PRODUCT, PLEASE CONSULT THE SAFETY DATA SHEET (SDS). THE SDS CAN BE OBTAINED BY WRITING PSSI CHEMICAL INNOVATIONS AT PO BOX 338, KIELER, WI 53812.

IMPORTANT: WARRANTY AND DISCLAIMER INFORMATION

PSSI Chemical Innovations 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.

PSSI CHEMICAL INNOVATIONS DISCLAIMS ANY OTHER EXPRESSED OR IMPLIED WARRANTY, INCLUDING THE WARRANTY OF MERCHANTABILITY.