

DIRECTIONS FOR USE

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

Dry treated areas and articles such as clothing before use. Remove children and pets from treated area until completely dry.

Microbarrier Elite™ can be applied to organic or inorganic substrates by fogging. All surfaces must be cleaned prior to fogging. Fogging is supplement to normal cleaning and practices. Fogging can be used in homes, offices, automobiles and institutions e.g., schools, hospitals, daycare centers, churches, correctional facilities, and food processing facilities.

1. Prior to fogging, remove and carefully protect all food products and packaging materials.
2. Fog areas using one gallon per 1000 cu. ft. of room area.
3. Allow surfaces to drain thoroughly and air dry before operations are resumed.

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 Microbarrier Elite every three months or when odor, staining and discoloration due to bacteria, mold stains, and mildew stains return.

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

Incorporate Microbarrier Elite™ as an antimicrobial additive to coat items 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 Elite™ 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% by weight active ingredient of resin, laminate, or surface coating.

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% by weight active ingredient of finished tubing.

Manufactured in USA

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



MICROBARRIER ELITE™

MICROBIOSTATIC AGENT* A Silicone Quaternary Ammonium Salt

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.**

Active Ingredient: 3-(trihydroxysilyl) propyldimethyloctadecyl ammonium chloride0.50%
Other Ingredients:99.50%
TOTAL INGREDIENTS:100.00%

KEEP OUT OF REACH OF CHILDREN

* A microbiostatic agent is an agent that inhibits the growth of odor causing 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.

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 may be required during clean up if a spill occurs. De-activation of Microbarrier Elite™ can be achieved by the addition of anionic surfactant (such as soap, sulfonates, sulfates) in quantity equivalent to that of Microbarrier Elite™.



EPA Reg. No. 87583-3-63679

EPA Est. No. 63679-WI-001

NET CONTENTS: 5 GAL

BATCH: _____



Application:

Microbarrier Elite™ is a READY TO USE product only. Microbarrier Elite™ can be applied to organic or inorganic substrates by brushing, dipping, padding, soaking, spraying or by using foam finishing techniques.

For Pump Spray Application: 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.

Apply Microbarrier Elite per the table below:

Amount of Microbarrier Elite™	Pint 16 fl. oz.	Quart 32 fl. oz.	1/2 Gallon 64 fl. oz.	One Gallon 128 fl. oz.
Area to be treated	25 sq. ft.	50 sq. ft.	100 sq. ft.	200 sq. ft.

When treating coarser substrates, more Microbarrier Elite™ may be required due to absorption.

For Commercial Spray Application: For commercial application equipment (i.e. electrostatic sprayers, and 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. See table for application rates. When treating coarser substrates, more Microbarrier Elite™ may be required due to absorption.

For Dipping/Soaking Application: Use appropriately sized wash basin or tub for dipping/soaking the item you are treating. Use enough Microbarrier Elite™ solution to completely submerge item. Completely submerge item in solution for 3 minutes. Remove item and dry. Do not reuse solution after dipping/soaking.

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 Elite™ every three months or when odor, staining and discoloration due to bacteria, mold stains, mildew stains, and algae stains return.

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: Nonrefillable container. Do not reuse or refill this container. Triple rinse or pressure 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 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 it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Dispose of rinsate as pesticide waste. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration.

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 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 SPECIFICALLY DISCLAIMS ANY OTHER EXPRESSED OR IMPLIED WARRANTY, INCLUDING THE WARRANTY OF MERCHANTABILITY.

IN CASE OF EMERGENCY CALL 1-800-424-9300