

BioProtect 500™
ANTIMICROBIAL SOLUTION
COMMERCIAL

A Silicone Quaternary Ammonium Salt

**Part of the Pathene™ Family of
Products**

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

REG. NO. 33931 PEST CONTROL PRODUCTS ACT

READ THE LABEL BEFORE USING

KEEP OUT OF REACH OF CHILDREN



POISON

DANGER – CORROSIVE TO EYES
SKIN IRRITANT

Net Contents: 1-1000L

AGR Management (Alberta) Inc.

2 Hanratty Point

St. Albert, AB

T6V 0A6

**Public inquiries Toll Free:
780-977-2648**

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.

DIRECTIONS FOR USE:

Material preservative for use in Formulating, Manufacturing, and Fabricating the treated article products listed below. In addition, this product may be applied in buildings to control microbial growth on surfaces. Add between 0.1 to 1.0% by weight active ingredient to the final treated article. It is recommended that the users conduct their own tests within this range of rates to determine the effective use rate for their specific product.

Neither this product nor the articles treated with this product may state or imply any public health claims. Do not use in any application involving direct or indirect food or drinking water contact.

Test for staining and colorfastness of fabrics by treating and drying a small, concealed area prior to application.

DO NOT contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes. DO NOT discharge effluent containing this product into sewer systems, lakes, streams, ponds, estuaries, oceans or other waters.

This product may be applied to manufactured products listed below:

PRESERVATIVE FOR MASONRY COMPONENTS AND STYROFOAM INSULATION

BioProtect 500™ is recommended as a preservative for the control of fungal growth on styrofoam insulation, concrete and concrete products, cinder blocks, brick, stone.

Dilute 20-200 grams of BioProtect 500™ in 1.0 litre of water and mix well (this is equivalent to 0.1-1% active ingredient in the final solution). Spray with BioProtect 500™ from a 20 cm distance using an electrostatic sprayer until saturated. 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.

The substrate can be dried at room temperature or at temperatures to a maximum of 160°C (320°F).

PRESERVATIVE FOR MATERIALS USED INDOOR

BioProtect 500™ is recommended as a preservative for the control of fungal growth on wallpaper, flooring underlayment and mats.

Dilute 20-200 grams of BioProtect 500™ in 1.0 litre of water and mix well (this is equivalent to 0.1-1% active ingredient in the final solution). Spray with BioProtect 500™ from a 20 cm distance using an electrostatic sprayer or spray equipment until saturated. 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.

The substrate can be dried at room temperature or at temperatures to a maximum of 160°C (320°F).

PRESERVATIVE FOR TEXTILE**Textiles Used Indoor**

BioProtect 500™ is recommended as a preservative for the control of fungal and bacterial growth on fabrics (natural and synthetic, woven and non-woven) used in indoor high humidity environments: curtains and shower curtains, drapery and toweling.

Textiles Used Outdoor

BioProtect 500™ is recommended as a preservative for the control of fungal and bacterial growth on fabrics used in outdoor environments: toweling, tarps, awning, tents, tarpaulin, sails, rope and umbrellas.

Indoor and Outdoor Spray Application: Dilute 20-200 grams of BioProtect 500™ in 1.0 litre of water and mix well (this is equivalent to 0.1-1% active ingredient in the final solution). Spray with Pathene

500 from a 20 cm distance using an electrostatic sprayer until saturated. 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.

Dipping/Soaking Application For Indoor and Outdoor Textiles: Dilute 20-200 grams of BioProtect 500™ in 1.0 litre of water and mix well (this is equivalent to 0.1-1% active ingredient in the final solution). Completely submerge item in solution for 1 minute. Remove item and dry. 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).

COMMERCIAL USES: ON-SITE TREATMENT

To impart durable, broad-spectrum, antimicrobial protection to existing non-food contact building surfaces (porous or non-porous) to control and/or prevent microbial growth.

COMMERCIAL APPLICATION

Dilute BioProtect 500™ in water to obtain a solution of 0.1 to 1.0 percent active ingredient by weight. Prepare the aqueous solutions by adding the antimicrobial agent to water with stirring. Apply an even coating of solution to organic and inorganic surfaces to be treated by brushing or spraying to adequately wet the surfaces. Following application, actively ventilate (i.e. open windows and use a fan or other active means of ventilation) and heat all treated surfaces to facilitate rapid drying. **DO NOT RE-ENTER TREATED AREAS WITHOUT PERSONAL PROTECTIVE EQUIPMENT UNTIL ALL SURFACES ARE DRY** and for a minimum of 12 hours.

PRECAUTIONS:

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

KEEP OUT OF REACH OF CHILDREN

DANGER - CORROSIVE to the eye. **DO NOT** get in eyes. May be fatal if inhaled. Avoid breathing vapour or spray mist. Causes skin irritation. **DO NOT** get on skin.

- When mixing, loading and applying this product and during clean-up and repairs, wear coveralls over long sleeved shirt and pants, chemical resistant nitrile, neoprene, butyl or latex gloves, rubber boots and goggles. Do not re-enter treated areas without personal protective equipment until all surfaces are dry. Following application, actively ventilate (i.e. open windows and use a fan or other active means of ventilation).
- 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 soak clothing or spills. Wash skin thoroughly with soap and water and put on clean clothes.
- 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.
- 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.

Remove contaminated clothing and wash before reuse.

FIRST AID

Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

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 the eye. 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 center or doctor for further treatment advice.

IF ON SKIN: 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 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 center or doctor. Do not give anything by mouth to an unconscious person.

TOXICOLOGICAL INFORMATION:

Treat Symptomatically

This Antimicrobial agent inhibits the growth of bacteria on textiles and of molds in all the cited uses. This product does not protect users or others against food-borne or disease-causing bacteria.

ENVIRONMENTAL HAZARDS

Toxic to aquatic organisms.

DECONTAMINATION: Every effort should be made to contain accidental spills of this product to the immediate area. This may be accomplished by the use of sandbags or barrier material to confine the spill to facilitate cleanup and disposal. Contaminated sands or barrier material may then be disposed of by burial in an approved landfill. Many spills may be cleaned up with rags or other absorbent materials by wiping, soaking and/or mopping and allowing the liquid to absorb onto the material. The absorbent material may then be disposed of by incineration or landfill. Floor drains in areas of material use should be protected with absorbent material or barrier material to contain accidental spills. De-activation may be required during clean-up if a spill occurs. De-activation of BioProtect 500™ can be achieved by the addition of anionic surfactant (such as soap, sulfonates, sulfates) in a quantity equivalent to that of BioProtect 500™.

STORAGE AND DISPOSAL

To prevent contamination, store this product away from food or feed.

For information on 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.

DO NOT reuse this container for any other purpose. This is a recyclable container, and is to be disposed of at a container collection site. Contact your local distributor/dealer or municipality for the location of the nearest collection site. Before taking the container to the collection site:

1. Triple- or pressure-rinse the empty container. Dispose of the rinsings in accordance with provincial requirements.
2. Make the empty, rinsed container unsuitable for further use.

If there is no container collection site in your area, dispose of the container in accordance with provincial requirements.

For information on disposal of unused, unwanted product, or in the case of a spill or spill clean-up, contact the manufacturer or the provincial regulatory agency.