Clear Shell™
Mold & Mildew Inhibitor

Indoor/Outdoor Use
Long lasting protection

By-product of the crabbing industry

KEEP OUT OF REACH OF CHILDREN.

CAUTION
See back panel for additional precautionary statements and first aid.

MANTÉNGASE FUERA DEL ALCANCE DE LOS NIÑOS
Y LAS MASCOTAS.

ADVERTENCIA
Vea el panel posterior para instrucciones preventivas adicionales.

NET CONTENTS: ONE GALLON (128 fl oz / 3.78L)

ACTIVE INGREDIENT:
Chitosan 0.3%
OTHER INGREDIENTS: 99.7%
Total 100.0%

EPA Reg. No. 81446-2-40849
EPA Est No. 40849-GA-1

KEEP OUT OF REACH OF CHILDREN.
Zep Commercial® Clear Shell™
Mold & Mildew Inhibitor
Antimicrobial for Textiles and Surfaces: Inhibits Growth and Odor from Bacteria, Mold, Mildew and Fungi

PROTECTS TREATED ARTICLES FROM MOLD AND MILDEW. Acts as an invisible barrier to mold and mildew growth. Prevents bacterial growth. The product contains No Ammonia, Bleach, Butyl, or Phosphates. It is a Low VOC product.

Use in boats, cruise ships, homes, attics, basements, laundry rooms, closets, institutions, business, schools, health clubs, transportation terminals, and RVs, apartments, workshops, trailers, carports, porches, camping equipment and other household areas.

Zep Commercial® Clear Shell is Ready-To-Use Indoors and Outdoors!

USE OUTDOORS on vinyl siding, vinyl fencing, awnings, outdoor upholstery, outdoor furniture, painted and unpainted, exterior fabric protectors, and carpets, sealed or painted masonry or wood.

USE INDOORS on curtains, drapes, mattresses, bedding products, leather, upholstery, carpet, and locker rooms.

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

Clear Shell is intended as a treatment in order to give antimicrobial and antifungal activity to the treated materials. Clear Shell inhibits the growth of non-public health related organisms such as bacteria, mold, mildew and fungi that cause odor, stains, discoloration, decay and deterioration of the treated materials.

Distributors of products containing Clear Shell may not make claims of antimicrobial activity other than the protection of the treated material against the growth of bacteria, mold, mildew and fungi that cause odor, stains, discoloration, decay, and deterioration in or on the treated product.

See 40 C.F.R. 152.25 (a) for further guidance about treated article claims.

DOMESTIC USES
As a cleaner: Clear Shell may be used as a cleaner to remove odor-causing bacteria, mold, mildew, and other organic matter from surfaces prior to subsequent treatment to inhibit bacterial and fungal mold growth on these surfaces or materials. Thoroughly clean the material to be treated by spraying this product and letting it sit for 1-2 minutes. Wipe or scrub clean.

Note: Always test for staining in an inconspicuous area. Clear Shell should not stain articles not stained by water alone.

Laundry: As an after wash treatment for clothing, linens, uniforms, textiles in general: Remove laundry from washer after final spin cycle. Spray each article with Clear Shell solution. Clear Shell may also be applied to articles which have been previously washed and dried. Dry treated articles thoroughly before use. Apply to each load.

Other Uses:
Porous Surfaces:
As a spray for textiles, paper and other porous surfaces such as but not limited to: awnings, bedding, car covers, boat covers, curtains, drapes, linens, mattresses, pet bedding, pillows, shoes, umbrellas, upholstery, vehicle interiors, textile wall partitions and other household or construction materials.

Construction materials such as paper, ceilings, wood, wallboard, masonry, particle board, and other building materials must be sealed and/or painted before applying Clear Shell. The use of a sealant such as BacCote (Chemtex Labs 800-532-5361) in combination with Clear Shell will provide a sealed surface. Areas to be treated with Clear Shell must be thoroughly cleaned to remove dirt, mold, mildew, fungi, or other organic matter. Clear Shell can be used as a cleaner prior to subsequent treatment with Clear Shell.

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Distributed by:
Zep Commercial Sales & Service, a unit of Zep Inc.
1310 Seaboard Ind. Blvd., Atlanta, GA 30318
Questions? Call 1-888-805-4357, Mon.- Fri., 9 am to 5 pm EST

ESL100311 REV012012
See section titled “Cleaning with Clear Shell” for instructions in using Clear Shell as a cleaner.

Apply Clear Shell until the surface is thoroughly damp. One gallon of solution covers approximately 270 sq. ft. Allow to dry before use.

Non-Food Hard Contact Surfaces: As a spray or mist for non-food hard contact surfaces, such as, but not limited to: fiberglass, metal, vinyl, garbage cans, laminated surfaces, desks, window sills and sealed and/or painted surfaces (such as masonry, particle board, and wood), and other interior and exterior surfaces. Areas to be treated with Clear Shell must be thoroughly cleaned to remove dirt, mold, mildew, fungi, or other organic matter. Clear Shell can be used as a cleaner prior to subsequent application of Clear Shell. Thoroughly clean the material to be treated by spraying this product and letting it sit for 1-2 minutes. Wipe or scrub clean.

See section titled “Cleaning with Clear Shell” for instructions in using Clear Shell as a cleaner.

After all foreign matter is removed from surface, apply Clear Shell to surfaces until thoroughly wet. Allow to dry before use.

To treat surfaces, apply Clear Shell using a hand held spray bottle or other suitable sprayer. Apply Clear Shell to surfaces until thoroughly wet. Allow to dry before use. Apply Clear Shell evenly to surfaces. Avoid runoff.

Allow to dry before use. Allow sprayed surfaces to dry completely before re-use.

PROFESSIONAL APPLICATORS

DIRECTIONS FOR USE

Professional Mold Remediators Refer to Section Titled “Mold/Mildew Remediation and Prevention” or call Chemtex Laboratories @ 800-532-5361 for specific questions. Clear Shell may be applied by hand sprayer, garden sprayer, airless/compression sprayer, cold-fogger, brush, roller, cloth, or immersion.

Carpeting (indoor and outdoor): Apply to clean carpet as a spray or mist. One gallon of solution covers approximately 270 square feet of surface area. Allow to dry before use.

In homes, offices, commercial, industrial and hospitality settings, apply Clear Shell each time carpet is cleaned or as needed for odors due to mold, mildew, fungi, or bacteria. Re-apply Clear Shell after each carpet cleaning.

In athletic facilities, carpet must be cleaned regularly and Clear Shell applied weekly.

For heavier weight carpets (such as synthetic turf): Apply Clear Shell as a spray at a rate of 1 gallon of solution per 270 square feet of synthetic turf. Allow to dry before use. Apply every three months.

Vehicle interiors: Spray 3 fl. oz. of Clear Shell per average size car. Use more solution to cover larger vehicles.

Mold /Mildew Remediation and Prevention

Note: The information contained in this section is not intended to provide comprehensive instructions for mold removal and remediation, but is intended as a general guide for mold removal and prevention and to provide sources for additional information pertaining to mold, mold remediation, and prevention. Mold can have serious health consequences in certain individuals. Consult a certified professional mold remediation provider for areas larger than 30 square feet.

Recommended Web Sites for Mold Removal/Remediation Information:

- Indoor Air Quality Association Inc: www.iaqa.org
- Chemtex Labs Inc: www.bacshield.com
- EPA: Environmental Protection Agency: www.epa.gov
- IICRC: (Institute of Inspection, Cleaning and Restoration Certification): www.iicrc.org

Mold Removal and Prevention

If mold is present, refer to recommended web sites for accepted remediation practices. Refer to section titled “PPE: Personal Protection Equipment for Applicators” for appropriate protective equipment to wear. Clear Shell may be applied by hand sprayer, garden sprayer, airless/compression sprayer, cold-fogger, brush, roller, cloth, or immersion.

Small Areas: Affected Surface Areas Less Than 30 Square Feet

If the affected area is easily replaceable, such as ceiling tiles, remove the area place in a trash bag, seal, and dispose of in normal trash. Area to be removed can be sprayed with Clear Shell prior to removal to reduce likelihood of airborne spores. If the affected area cannot be easily removed, follow these steps:

1. Eliminate any sources of water or moisture that may be causing mold growth.
2. Remove excess water from area and dry affected area thoroughly.
3. Clean affected area with Clear Shell or other appropriate cleaner to remove mold, soil and any other organic matter from surface. In many instances, Clear Shell will not remove mold stains. Aggressive scrubbing, up to and including partial substrate removal may be required to remove stains.

4. Apply Clear Shell until surface is evenly wet. If area was wet for more than 24 hours prior to removal of mold, allow area to dry thoroughly following first application, and then make a second application.

5. Allow treated surfaces to dry completely before covering.

**Large Areas: Affected Surface Area Larger than 30 Square Feet**

Areas larger than 30 square feet require specific procedures performed by professionals properly trained in mold remediation. Refer to the recommended websites for assistance in locating a certified mold inspector and/or remediator or call Chemtex Laboratories @ 800-532-5361 for assistance.

If you are properly trained in mold remediation, develop a complete assessment and remediation plan incorporating Clear Shell to prevent future mold, fungal and bacterial growth.

Once the water source has been eliminated and the surfaces properly cleaned and prepared, apply Clear Shell until the surface is evenly wet. When properly applied, one gallon of Clear Shell solution will cover 270 - 1000 square feet of surface area, depending upon the surface texture and absorbency of the substrate. Extremely porous substrates such as carpet and heavy textiles require more product per square foot and one gallon of solution would be expected to cover approximately 270 square feet. Substrates such as unpainted wood will require approximately one gallon per 600 - 800 square feet of surface area and the use of a sealant such as Bac Cote (Chemtex Labs 1-800-532-5361). Painted wood, vinyl, fiberglass and similar substrates will require approximately one gallon per 1000 - 1500 square feet of surface area.

For substrates that are prone to beading and significant run-off, such as vinyl and sealed and/or painted surfaces, the use of a sealant such as Bac Cote (Chemtex Labs 800-532-5361) in combination with Clear Shell will improve coverage, reduce runoff and provide a sealed surface. Very small droplets such as in fine sprays, mists and fog will minimize run-off. Several light applications rather than one heavy application will reduce run-off.

If the area was wet for more than 24 hours prior to removal of mold, allow area to dry thoroughly following first application of Clear Shell, and then make a second application. Allow treated surfaces to dry completely before covering.

**Cleaning with Clear Shell**
1. Apply Clear Shell until area to be cleaned is thoroughly wet.
2. Wipe or scrub area to loosen mold/dirt/soil/organic matter.
3. Wipe with cloth to remove mold/dirt/soil/organic matter from surface and dispose of cloth.

**Protecting the Surface with Clear Shell**
1. Apply Clear Shell to cleaned area until surface is thoroughly wet.
2. Allow area to dry completely to inhibit future growth of mold and or odor causing bacteria.

**Prevention of Future Growth**
1. Maintain moisture levels at or below 17% in wood and other cellulosic materials.
2. Minimize high humidity levels in areas such as crawl spaces. Dehumidifiers may be beneficial in high humidity areas. If dehumidifiers are used, make certain drain lines are piped to the outside.
3. Eliminate sources of water intrusions.
4. Keep surfaces free of dust, dirt, and other organic matter where feasible.

**PPE- Personal Protection Equipment Requirements for Applicators**

**Small Areas**: Gloves, protective eye wear (goggles) and a NIOSH approved N-95 respirator to prevent exposure to mold and mold spores.

**Large Areas**: Gloves, protective eye wear (goggles), disposable protective suit, NIOSH approved N-95 respirator or half-face respirator with HEPA filter as specified by mold remediation certification training.
PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: 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.

FIRST AID

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.
• 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 to receive treatment.

ENVIRONMENTAL HAZARDS

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or public waters unless in accordance with the requirements of 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 into sewer without previously notifying the sewage treatment plant authority. For guidance, contact your State Water Board or regional Office of the EPA.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store in original container in a cool, dry place, away from sunlight and out of the reach of children and pets.

PESTICIDE DISPOSAL: Wastes resulting from use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL: Non-refillable container. Do not reuse or refill this container.

Triple rinse as follows: Empty remaining contents into application equipment or mix tank and drain for seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinseate into application equipment or a mix tank or store rinseate for later use or disposal. Repeat this procedure two more times.

NOTICE OF WARRANTY

Zep, Inc. warrants that the product conforms to its chemical description and is reasonably fit for the purpose stated on the label only when used in accordance with the label directions under normal conditions of use. Zep, Inc. makes no other express or implied warranties either of merchantability or fitness for a particular use. Handling, storage and use of the product by Buyer or User are beyond the control of Zep, Inc. and Seller. Risks such as ineffectiveness or other unintended consequences resulting from, but not limited to, failure to follow label directions will be assumed by the Buyer or User. In no case will Zep, Inc. or Seller be held liable for consequential, special or indirect damages resulting from the handling, storage or use of this product.

The terms of this Limited Warranty and Disclaimer cannot be varied by any written or verbal statements or agreements. No employee or agent of the seller is authorized to vary or exceed the terms of this Limited Warranty and Disclaimer in any manner.

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