

100-1229

02/02/2007

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

FEB - 2 2007

Mr. Tom Parshley
Syngenta Crop Protection, Inc.
P.O. Box 18300
Greensboro, NC 27419-8300

SUBJECT: AZO-Shield™
EPA File Symbol: 100-1229
Application for Registration Dated: April 10, 2006
Receipt Date: April 13, 2006

Dear Mr. Parshley:

The following amendment, submitted in connection with registration under section 3(c)(7)(B) of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is acceptable subject to the conditions listed below:

- Addition of new uses
- Addition of directions for use and marketing claims

1. Revise the Storage and Disposal statements on page six by deleting the following statement from the Pesticide Storage section and placing this statement in the Pesticide Disposal section: "In case of spill on floor or paved surfaces, mop and remove to chemical waste storage area until proper disposal can be made if product cannot be used according to the label."

2. Your label contains many statements which are not in agreement with PR Notice 2000-5 which requires mandatory language. As such, revise the first statement on page seven to state: "AZO-Shield *is for use* to protect wallboard, paper..." Revise the third statement in the second section to read: "Alternatively, *apply at* the size press or water..." Revise the third section to read: "AZO-Shield *is to* be applied to the gypsum core..."

3. Revise the "Latex Emulsion Paints, Stains and Coatings" section on page seven by including mandatory language: "...Test for compatibility to confirm suitability of..." and add the following text: "...Add AZO-Shield *at the point of manufacture* at rates from 0.87% to 4.4%..."

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4. Revise the "Latex Caulks, Sealant, Adhesives and Binders" section on page seven by including mandatory language: "Apply AZO-Shield to joint compounds..." adding the following text: "...To inhibit fungal growth, add AZO-Shield at the point of manufacture at levels between 0.44% and 2.18%..." and stating: "...Do not use AZO-Shield in food grade coatings, adhesives..."

5. Delete the heading "Natural and Synthetic Fibers-Textiles, Fabrics, Canvas and Cordage" section on page seven and the entire section which follows beginning: AZO-Shield will inhibit..." and ending "...0.5% active ingredient.)"

6. Revise the "Natural and Synthetic Fibers-Textiles, Fabrics, Canvas and Cordage" section on the page which follows by revising the first statement to read exactly as follow: "Apply AZO-Shield during manufacture to inhibit mold and mildew that cause odor and stain on products such as canvas, cordage, filters shower curtains and drapes using one of the following methods:"

In addition, delete the phrase: "During Manufacturing" immediately prior to 1) so that this section begins as follows: "1) Apply AZO-Shield by spray..." These corrections will make the label clear as to your intention that this product is only for use at the point of manufacture but may be applied using one of two methods.

7. Revise the "Rubber and Plastic Products" section on page eight by including mandatory language: "AZO-Shield is for incorporation into PVC..." and by adding the following language: "To inhibit fungal growth, add AZO-Shield at levels between 0.44% and 3.50% by weight of finished product (0.10% and 0.8% active ingredient) at the point of manufacture..."

8. Revise the statement in the "Post Manufacturing Use Directions" section on page eight as follows: "Do not use AZO-Shield in areas of facilities where food or feed can be held, processed, prepared or consumed."

In this same section of the label, revise the fifth section to read: "...as well as exposed drywall or particle board in same or similar areas: and other surfaces identified on this label."

9. Revise the "Carpets" section on page ten by revising the second statement to include mandatory language: "Vacuum carpets thoroughly and discard vacuum cleaner bag in an outdoor trash container prior to spray treatment." Under Broadcast Treatment in this same section, revise to include mandatory language as follows: "If soaking, run-off or drips do occur, blot dry with a disposable cloth or sponge." Make this same revision in the "Wood and Drywall" section.

10. Under "Mold Remediation Methods" on page eleven, revise the second statement in the second section to include mandatory language as follows: "...Remediation of moldy carpet is not recommended, remove and discard moldy carpet and padding."

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11. Revise the statements at the beginning of page 12 to read exactly as follows:

Small Areas - Total Surface Area Affected is Less Than 10 Square Feet

Prior to applying AZO-Shield, clean the affected area using one of the following or another preferred professional method appropriate to this type of cleanup.

Wood Surfaces

Cleanup Methods*

Method 1: Wet vacuum (in the case of porous materials, some mold spores/fragments will remain in the material but will not grow if the material is completely dried).

Method 2: Damp-wipe surfaces with plain water or use a wood floor cleaner; scrub as needed.

Method 3: High-efficiency particulate air (HEPA) vacuum after the material has been thoroughly dried. Dispose of the contents of the HEPA vacuum in well-sealed plastic bags.

Your proposed label is missing the headings:

Wood Surfaces and Cleanup Methods*

12. Revise page thirteen under the treatment methods for "Wood Surfaces" to include the following text:

Method 2: Damp-wipe surfaces with plain water or with a wood floor cleaner; *scrub as needed.*

Method 3: *High-efficiency particulate air (HEPA) vacuum after the material has been thoroughly dried. Dispose of the contents of the HEPA vacuum in well-sealed plastic bags.*

Method 4: *Discard/ remove water-damaged materials and seal in plastic bags while inside of containment, if present. Dispose of as normal waste. HEPA vacuum area after it is dried.*

13. Revise the "Specific Directions for Various Surfaces, Carpets" on page fifteen to include mandatory language as follows: "...Remediation of moldy carpet is not recommended, *remove and discard moldy carpet and padding.*"

14. Revise page fifteen under the heading: "Wood and Drywall" to be in agreement with your label language on page ten as follows: "...Examples *include exposed joists or sub flooring in basements...*"

General Comments

A stamped copy of the accepted labeling is enclosed. Submit one (1) copy of your final printed labeling before distributing or selling the product bearing the revised labeling.

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Submit and/or cite all data required for registration/reregistration of your product under FIFRA section 3 (c) (5) and section 4 (a) when the Agency requires all registrants of similar products to submit such data.

If the above conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6 (e). Your release for shipment of the product bearing the amended labeling constitutes acceptance of these conditions. Should you have any questions concerning this letter, please contact Tracy Lantz at (703) 308-6415.

Sincerely,



Velma Noble
Product Manager (31)
Regulatory Management Branch I
Antimicrobials Division (7510P)

Enclosures: Stamped Label
DP D329984 Toxicological Endpoints for Azoxystrobin
DP D329386 Azoxystrobin Non-Dietary Occupational/Residential Exposure Assessment

7510P:T.Lantz:2/1/2007:100-1229

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AZO-Shield™
For Industrial Use Only

AZO-Shield is a fungistatic agent that controls and/or inhibits the growth of many fungi associated with odor, staining and discoloration. AZO-Shield can be applied to paper, wallboard, paperboard, water-based paints stains and coatings, caulks, sealants, adhesives, textiles, rubber and plastics. AZO-Shield is not intended to protect against food-borne or disease causing organisms. AZO-Shield is not for use in food or feed handling areas.

Active Ingredient:

Azoxystrobin: methyl (E)-2-{2-[6-(2-cyanophenoxy)pyrimidin-4-yloxy]phenyl}-3-methoxyacrylate*	22.9 %
Other Ingredients:	77.1%
Total:	100.0%

Contains 2.08 lbs. of active ingredient per gallon.

*IUPAC (International Union of Pure and Applied Chemistry designation)

KEEP OUT OF REACH OF CHILDREN.

CAUTION

See additional precautionary statements and directions for use described below or inside booklet.

Reformulation is prohibited. See individual container labels for repackaging limitations.

EPA Reg. No. 100-1229
EPA Est. 100-NE-001

RECEIVED
with COMMENTS
in EPA Letter Dated:
FEB 2 - 2007

SCP 1229A-L1 0106 (55 gallon)
SCP 1229A-L2 0106 (300 gallon)

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 100-1229

55 gallons [Product ID 30875]
Net Contents

300 (bulk) gallons [Product ID 30876]
Net Contents

5 gallons
10 gallons
30 gallons
110 gallons

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220 gallons
Net Contents

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FIRST AID	
If on skin or clothing	<ul style="list-style-type: none"> • 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 in eyes	<ul style="list-style-type: none"> • 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.
If swallowed	<ul style="list-style-type: none"> • Call 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 the poison control center or doctor. • Do not give anything by mouth to an unconscious person.
If inhaled	<ul style="list-style-type: none"> • 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.
<p>Have the product container or label with you when calling a poison control center or doctor, or going for treatment.</p>	
<p>HOTLINE NUMBER For 24-Hour Medical Emergency Assistance (Human or Animal) or Chemical Emergency Assistance (Spill, Leak, Fire, or Accident) Call 1-800-888-8372</p>	

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION

Harmful if absorbed through skin. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove and wash contaminated clothing before reuse.

Applicators and other handlers must wear:

- Long-sleeved shirts and long pants
- Chemical-resistant gloves made of any waterproof material; such as polyvinyl chloride, nitrile rubber or butyl rubber.
- Shoes plus socks

Environmental Hazards

This pesticide is toxic to fish and aquatic invertebrates. 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. For guidance contact your State Water Board or Regional Office of the EPA.

Notify State and/or Federal authorities and Syngenta immediately if you observe any adverse environmental effects due to use of this product.

CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

NOTICE: Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

The Directions for Use of this product should be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, presence of other materials or other influencing factors in the use of the product, which are beyond the control of SYNGENTA CROP PROTECTION, Inc. or Seller. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold SYNGENTA and Seller harmless for any claims relating to such factors.

SYNGENTA warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above, when used in accordance with directions under normal use conditions. This warranty does not extend to the use of this product contrary to label instructions, or under abnormal conditions or under conditions not reasonably foreseeable to or beyond the control of Seller or SYNGENTA, and Buyer and User assume the risk of any such use. SYNGENTA MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

In no event shall SYNGENTA or Seller be liable for any incidental, consequential or special damages resulting from the use or handling of this product. **THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF SYNGENTA AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF SYNGENTA OR SELLER, THE REPLACEMENT OF THE PRODUCT.**

SYNGENTA and Seller offer this product, and Buyer and User accept it, subject to the foregoing Conditions of Sale and Limitation of Warranty and Liability, which may not be modified except by written agreement signed by a duly authorized representative of SYNGENTA.

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DIRECTIONS FOR USE

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

GENERAL INFORMATION

AZO-Shield is a fungistatic agent that controls and/or inhibits the growth of many fungi associated with odor, staining and discoloration. AZO-Shield can be applied to paper, wallboard, paperboard, water-based paints stains and coatings, caulks, sealants, adhesives, textiles, rubber and plastics. It provides a barrier to inhibit the fungal organisms associated with mold and mildew that cause odor, staining and discoloration. AZO-Shield is not intended to protect users or others against food-borne or disease causing organisms. AZO-Shield is not for use in food or feed handling areas.

STORAGE AND DISPOSAL

Prohibitions

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

Pesticide Storage

Store in original containers only. Keep container tightly closed when not in use. Store in a secure area inaccessible to children and away from food or feed. In case of spill on floor or paved surfaces, mop and remove to chemical waste storage area until proper disposal can be made if product cannot be used according to the label.

Pesticide Disposal

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

Container Disposal

Triple rinse (or equivalent); then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures allowed by state and local authorities.

DO NOT USE CONTAINER FOR FOOD, FEED, OR DRINKING WATER.

MANUFACTURING USE DIRECTIONS FOR INCORPORATION INTO MATERIALS

Do not use this product in the production of pulp and paper that will contact food.

PAPER, WALL BOARD (DRY WALL AND GYPSUM BOARD) AND PAPERBOARD PRODUCTS

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AZO-Shield may be used to protect wallboard, paper, and paperboard products which do not come into contact with food. Examples of paper products which are unlikely to be used in food contact are wallboard paper, insulation backing, newsprint, photographic paper, and drawing paper.

Add AZO-Shield during the formulation procedure to components of drywall. Apply AZO-Shield with thorough agitation. Add AZO-Shield to the white water at rates of 0.1 to 2.5 pounds active ingredient per ton of dry paper. Alternatively, application may be made at the size press or water box at a rate of 0.1 to 2.5 pounds active ingredient per ton of dry paper. Regardless of application method, the maximum rate of application shall not exceed 2.5 pounds active ingredient per ton of dry paper.

AZO-Shield may be applied to the gypsum core of wallboard to inhibit the growth of fungi. Apply 0.050 to 0.075 pound of active ingredient per 1000 pounds of formulation, i.e. wet slurry.

LATEX EMULSION PAINTS, STAINS, AND COATINGS

AZO-Shield provides dry film protection of fungal molds and mildews in aqueous (water-based) paints films. Testing for compatibility should be done to confirm suitability of AZO-Shield with specific paint products. Rates of AZO-Shield in paints are dependent on the individual formulation and the expected severity of exposure. Add AZO-Shield at rates from 0.87% to 4.4% by weight of finished product (0.20% to 1.0% active ingredient); depending on use pattern and severity of exposure conditions.

LATEX CAULKS, SEALANTS, ADHESIVES AND BINDERS

AZO-Shield will inhibit fungal molds and mildews in latex caulks, sealants, adhesives, and binders. AZO-Shield can be applied to joint compounds, ceramic tile adhesives, adhesives for wall covering, adhesive emulsions, acrylic, polyvinyl acrylic and silicone based interior and exterior sealants, carpet backing adhesives and air filter binders. Sufficient mixing to ensure adequate dispersion is required. To inhibit fungal growth, AZO-Shield should be added at levels between 0.44% and 2.18% by weight of finished product (0.10% and 0.5% active ingredient). AZO-Shield cannot be used in food grade coatings, adhesives, paper or paperboard which will come into contact with food.

NATURAL AND SYNTHETIC FIBERS - TEXTILES, FABRICS, CANVAS AND CORDAGE

AZO-Shield will inhibit mold and mildew that cause odor and stain on products such as canvas, cordage, filters, shower curtains and drapes. AZO-Shield also protects building materials such as awnings, boat covers, carpets (fibers and backing), cordage, tents, tarpaulins and wall-covering yarn. To inhibit fungal growth, AZO-Shield should be added at levels between 0.44% and 2.18% by weight of finished product (0.10% and 0.5% active ingredient).

NATURAL AND SYNTHETIC FIBERS - TEXTILES, FABRICS, CANVAS AND CORDAGE

Apply AZO-Shield during [REDACTED] manufacturing to inhibit mold and mildew that cause odor and stain on products such as canvas, cordage, filters, shower curtains and drapes. AZO-Shield also protects building materials such as awnings, boat covers, carpets (fibers and backing), cordage, tents, tarpaulins and wall-covering yarn.

[REDACTED] 1). Apply AZO-Shield by spray or immersion of fibers in aqueous treating solution. Dilute AZO-Shield in sufficient water to attain a final level of 0.44% to 2.18% AZO-Shield by weight of treated fibers (0.10% to 0.5% active ingredient).

2). Finished fiber products may be treated with AZO-Shield by spraying or dipping. When applying AZO-Shield, dilute in sufficient water to attain a final level of 0.44% to 2.18% AZO-Shield by weight of treated fibers (0.10% to 0.5% active ingredient). When applying AZO-Shield by spraying, apply evenly over the finished fiber product. A typical application rate is 1 gallon of solution per 250 to 800 square feet of finished fiber-based product. When applying AZO-Shield by dipping, pass the manufactured product through the treating solution until the proper amount (0.44% to 2.18% AZO-Shield by weight of treated fibers [0.10% to 0.5% active ingredient]) of AZO-Shield has been applied to the finished product.

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RUBBER AND PLASTIC PRODUCTS

AZO-Shield is recommended for PVC (polyvinylchloride), polypropylene, polyethylene, polyurethane, rubber, thermoplastic rubber, and other polymeric products, coatings, adhesives, foams, and sealants requiring protection against biodeterioration. Do not use AZO-Shield in plastics that can be used in the manufacture of food and beverage containers, including plastic piping for carrying water or beverages and piping for food processing equipment.

To inhibit fungal growth, AZO-Shield should be added at levels between 0.44% and 3.50% by weight of finished product (0.10% and 0.8% active ingredient). The temperature stability of AZO-Shield may be influenced by the choice of heat stabilizer and plasticizer in the formulation. Testing should be done to confirm compatibility of AZO-Shield with specific rubber or plastic products.

POST- MANUFACTURING USE DIRECTIONS

USE PRECAUTIONS

For Post-Manufacturing Use by Commercial/Professional Applicators Only; NOT for application by homeowners

For use in homes, vehicles, institutions such as schools, public buildings, daycare centers, hospitals, nursing homes, churches, and correctional facilities; and commercial buildings such as transportation terminals, warehouses, office buildings, manufacturing facilities, lodging establishments, retail businesses and athletic/recreational facilities.

Do not use AZO-Shield in areas of facilities where food can be held, processed, prepared, or consumed.

USE INFORMATION

This product is for preventative and remedial control/inhibition of fungi (molds, mildews) that cause odor, discoloration or staining. Before applying this product, visible mold growth must be removed and conditions favorable to mold growth must be identified and corrected.

AZO-Shield inhibits the growth of molds and mildews that cause odor, staining and discoloration to carpet, structural wood: including exposed joists, or subflooring in basements, crawlspaces, attics and garages, as well as exposed drywall or particleboard in same or similar areas: and other surfaces. It provides an invisible coating and barrier to inhibit the fungal organisms associated with mold and mildew that cause odor, staining and discoloration.

For use in homes, vehicles, institutions such as schools, public buildings, daycare centers, hospitals, nursing homes, churches, and correctional facilities; and commercial

buildings such as transportation terminals, warehouses, office buildings, manufacturing facilities, lodging establishments, retail businesses and athletic/recreational facilities.

Keep children, pets, patients, residents and any bystanders out of the room or area during remediation and application. Keep children and pets off treated areas until spray has dried following application.

Apply as needed, but do not exceed 4 applications per year to the same surface or area.

Water Damage Remediation

If mold or mildew is present follow the Mold Remediation Methods section of this label before treating.

DIRECTIONS FOR MIXING AND APPLICATION

Prior to application, thoroughly clean surfaces to remove loose existing dirt. Follow specific directions for surfaces listed on this label.

Prepare a solution by adding the required amount of AZO-Shield to ½ the final volume of water in the spray container, mix thoroughly, and add the remaining ½ volume or water to the container. Prepare no more mixture than is necessary for the immediate use.

To prepare the spray solution, add 0.50 fl. oz. (1 tablespoon) of AZO-Shield to 1 gallon of water (0.1%, 1000 parts per million) and mix thoroughly. Apply 1 gallon of solution per 250 to 800 square feet of application surface. See detailed instructions for each surface type. Volumes of water should be adjusted to deliver the proper amount of water for treatment of the surfaces listed below without excessive wetting or soaking. Conduct trial application with water alone to determine appropriate volume. During application, do not allow excessive soaking, saturation, dripping or runoff to occur. Evenly apply to the surfaces listed below.

Apply as needed for prevention of molds and mildews that cause odors, discoloration or staining, but do not exceed 4 applications per year to the same surface or area. Make applications as part of a routine cleaning program.

If the application is made in a large volume of water in enclosed spaces, that area should be dried as soon as possible to prevent conditions favorable to mold growth. To assist the drying process after cleaning, and application of this product use of fans, dehumidifiers, heaters or other methods of ventilation are encouraged. Please consult with your local county extension office or EPA, www.epa.gov/mold/moldresources.html for more information.

CARPET

Spot test an inconspicuous area of carpet with the prepared spray solution to insure dyes will not bleed or that staining will not occur.

Carpets should be vacuumed thoroughly and vacuum cleaner bag discarded in an outdoor trash container prior to spray treatment.

Broadcast treatment using commercial carpet-cleaning equipment (e.g., carpet steamers, rotary jet extraction cleaners, pressure sprayers):

Mix in tank as described above. Evenly apply the prepared 0.1% solution over the carpet using 1 gallon of solution per 250 to 800 square feet. Conduct trial application with water alone to determine appropriate volume described in the Spraying and Mixing Section. Apply sufficient amount to dampen carpet. Do not soak, or allow dripping or run-off to occur. Any drips or run-off should be blotted dry with a disposable cloth or sponge. Allow carpet to dry before re-entry.

Dry carpets within 24 hours to prevent conditions favorable to mold growth. To assist the drying process after cleaning and application of this product use of fans, dehumidifiers, heaters or other methods of ventilation should be used. Please consult with your local county extension office or [EPA, www.epa.gov/mold/moldresources.html](http://www.epa.gov/mold/moldresources.html) for more information.

Spot treatment:

- Use a pump sprayer with wand. Hold the end of the wand 4-6 inches from the surface, using smooth back and forth motions to cover the entire target area to ensure complete coverage, dampen but do not soak surface. Any drips or run-off should be blotted dry with a disposable cloth or sponge. Allow areas to dry before re-entry.
- Dry carpets within 24 hours to prevent conditions favorable to mold growth. To assist the drying process after cleaning and application of this product use of fans, dehumidifiers, heaters or other methods of ventilation should be used. Please consult with your local county extension office or EPA, www.epa.gov/mold/moldresources.html for more information.

WOOD AND DRYWALL:

Apply to exposed and/or structural wood surfaces and drywall to prevent and control mold and mildew. Examples include exposed joists or subflooring in basements, crawlspaces, attics and garages, as well as exposed drywall or particleboard in same or similar areas. Heavily soiled areas must be precleaned prior to application. NOT for use in areas where food/feed items are present. Use a pump sprayer with wand. Hold the end of the wand 4-6 inches from the surface, using smooth back and forth motions to cover the entire target area to ensure complete coverage, dampen but do not soak surface. If soaking or drips do occur, blot dry with a disposable cloth or sponge. Allow

areas to dry before reentry. Dry wood and drywall within 24 hours to prevent conditions favorable to mold growth. To assist the drying process after cleaning, and application of this product use of fans, dehumidifiers, heaters or other methods of ventilation should be used. Please consult with your local county extension office or EPA, www.epa.gov/mold/moldresources.html for more information.

HARD, NON-POROUS SURFACES:

This product is not for use in food/feed handling areas.

This product inhibits the growth of molds and mildews that cause odor, staining and discoloration on hard non-porous surfaces in areas such as bathrooms/restrooms, garbage storage areas, basements, and other areas prone to mold and mildew. Use AZO-Shield in a pump sprayer as a spot treatment to treat the following surfaces: floors, walls, painted surfaces, metal surfaces, stainless steel surfaces, glazed ceramic tile, glazed porcelain, bathtubs and shower stalls made of fiberglass, plastic surfaces, vinyl surfaces; as well as Formica, granite, marble, or other polished stone surfaces. Spot test on an inconspicuous area before use. Remove visible dirt or soil prior to application. Use a pump sprayer with wand. Hold the end of the wand 4-6 inches from the surface, using smooth back and forth motions to cover the entire target area to ensure complete coverage, dampen but do not saturate surface. If drips do occur, dry with a disposable cloth, sponge or mop. Allow areas to dry before re-entry. Do not for use in areas where food is prepared or stored.

MOLD REMEDIATION METHODS:

Strategies to respond to water damage within 24-48 hours are a key part of avoiding mold contamination due to water incursion. Use professional judgment, consult with local experts and/or refer to EPA guidance documents such as ("*Mold Remediation in Schools and Commercial Buildings*", www.epa.gov/mold/moldresources.html for more information on how to cleanup after water damage.

Use this product in remediation situations according to the cleanup instructions that follow for the surface affected. After remediation is complete follow the directions for use. Remediation of moldy carpet is not recommended, moldy carpet and padding should be removed and discarded. Before applying this product visible mold growth must be removed and conditions favorable to mold growth must be identified and corrected.

Remediation is required in situations where mold growth has occurred or materials have been wet for more than 48 hours. Even if materials are dried within 48 hours, mold growth may have occurred. Note that mold growth will not always occur after 48 hours; this is only a guideline. Always discard porous items that cannot be cleaned. AZO-Shield is not for use in situations where materials have been wet for more than 7-days and/or visible mold growth cannot be cleaned from the surfaces. Use professional judgment, consult with local experts and/or refer to EPA guidance documents such as ("*Mold Remediation in Schools and Commercial Buildings*", www.epa.gov/mold/moldresources.html for more information on remediating building

materials with mold growth.

SMALL AREAS – TOTAL SURFACE AFFECTED IS LESS THAN 10 SQUARE FEET

Prior to applying AZO-Shield, clean the affected area using one of the following or another preferred professional method appropriate to this type of cleanup.

- Method 1: Wet vacuum (in the case of porous materials, some mold spores/fragments will remain in the material but will not grow if the material is completely dried).
- Method 2: Damp-wipe surfaces with plain water or use a wood floor cleaner; scrub as needed.
- Method 3: High-efficiency particulate air (HEPA) vacuum after the material has been thoroughly dried. Dispose of the contents of the HEPA vacuum in a wellsealed plastic bag(s).

Minimum personal protective equipment to be worn during clean-up includes gloves, N-95 respirator and goggles/eye protection.

WALLBOARD (DRYWALL AND GYPSUM BOARD)

Cleanup Methods*

Prior to applying AZO-Shield, clean affected area using a HEPA vacuum after the material has been thoroughly dried. Dispose of the contents of the HEPA vacuum in a well-sealed plastic bag(s).

Minimum personal protective equipment to be worn during clean-up includes glove, N-95 respirator and goggles/eye protection.

MEDIUM AREAS – TOTAL SURFACE AFFECTED IS BETWEEN 10 AND 100 SQUARE FEET

Containment of Affected Materials

Use polyethylene sheeting ceiling to floor around affected area with a slit entry and covering flap; maintain area under negative pressure with HEPA filtered fan unit. Block supply and return air vents within containment area.

WOOD SURFACES

Cleanup Methods*

Prior to applying AZO-Shield, clean the affected area using on the following or another preferred professional method.

- Method 1: Wet vacuum (in the case of porous materials, some mold spores/fragments will remain in the material but will not grow if the material is completely dried).
- Method 2: Damp-wipe surfaces with plain water or use a wood floor cleaner; scrub as needed.
- Method 3: High-efficiency particulate air (HEPA) vacuum after the material has been thoroughly dried. Dispose of the contents of the HEPA vacuum in a well sealed plastic bag(s).

WALLBOARD (DRYWALL AND GYPSUM BOARD)

Cleanup Methods*

- Method 1: HEPA vacuum after the material has been thoroughly dried. Dispose of the contents of the HEPA vacuum in a well-sealed plastic bag(s).
- Method 2: Discard/remove water –damaged materials and seal in plastic bags while inside of containment. Dispose of as normal waste. HEPA vacuum area after it is dried.

Use professional judgment to determine the appropriate level of PPE considering the potential for remediator exposure and size of contaminated area. Limited or Full personal protective equipment is recommended during cleanup. Limited personal protective equipment includes gloves, N-95 respirator or half-face respirator with HEPA filter. Full personal protective equipment includes: gloves, disposable full body clothing, head gear, foot coverings, full-face respirator with HEPA filter.

LARGE AREAS – TOTAL SURFACE AFFECTED IS GREATER THAN 100 SQUARE FEET OR POTENTIAL FOR INCREASED OCCUPANT OR REMEDIATOR EXPOSURE DURING REMEDIATION IS ESTIMATED TO BE SIGNIFICANT

Containment of Affected Materials

Use two layers of fire-retardant polyethylene sheeting with one airlock chamber. Maintain area under negative pressure with HEPA filtered fan exhausted outside of building. Block supply and return air vents within containment area.

WOOD SURFACES

Cleanup Methods*

Prior to applying AZO-Shield, clean the affected area using one of the following or another preferred professional method.

- Method 1: Wet vacuum (in the case of porous materials, some mold spores/fragments will remain in the material but will not grow if the material is completely dried).
- Method 2: Damp-wipe surfaces with plain water or use a wood floor cleaner; been thoroughly dried. Dispose of the contents of the HEPA vacuum in a while

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inside of containment. Dispose of as normal waste. HEPA vacuum area after it is dried.

WALLBOARD (DRYWALL AND GYPSUM BOARD)

*Cleanup Methods**

- Method 1: HEPA vacuum after the material has been thoroughly dried. Dispose of the contents of the HEPA vacuum in a well-sealed plastic bag(s).
- Method 2: Discard/remove water –damaged materials and seal in plastic bags while inside of containment. Dispose of as normal waste. HEPA vacuum area after it is dried.

Limited or Full personal protective equipment is recommended during cleanup. Limited personal protective equipment includes gloves, N-95 respirator or half-face respirator with HEPA filter. Full personal protective equipment includes: gloves, disposable full body clothing, head gear, foot coverings, full-face respirator with HEPA filter. Use professional judgment, consider potential for remediator exposure and size of contaminated area.

DIRECTIONS FOR USE IN REMEDIATION

SPRAYING AND MIXING

Prior to application, thoroughly clean surfaces to remove loose existing dirt. Follow specific directions for surfaces listed on this label.

Prepare a solution by adding the required amount of AZO-Shield to ½ the final volume of water in the spray container, mix thoroughly, and add the remaining ½ volume or water to the container. Prepare no more mixture than is necessary for the immediate use.

To prepare the spray solution, add 0.50 fl. oz. (1 tablespoon) of AZO-Shield to 1 gallon of water (0.1%, 1000 parts per million) and mix thoroughly. Apply 1 gallon of solution per 250 to 800 square feet of application surface. See detailed instructions for each surface type. Volumes of water should be adjusted to deliver the proper amount of water for treatment of the surfaces listed below without excessive wetting or soaking. Conduct trial application with water alone to determine appropriate volume. During application, do not allow excessive soaking, saturation, dripping or run-off to occur. Evenly apply to the surfaces listed below.

Apply as needed for remediation of molds and mildews than cause odors, discoloration or staining, but do not exceed 4 applications per year to the same surface or area. If the application is made in a large volume of water in enclosed spaces, that area should be dried as soon as possible to prevent conditions favorable to mold growth. To assist the drying process after remediation and application of this product use of fans, dehumidifiers, heaters or other methods of ventilation should be used. Please consult

with your local county extension office or EPA, www.epa.gov/mold/moldresources.html for more information.

SPECIFIC DIRECTIONS FOR VARIOUS SURFACES

CARPET

Remediation of moldy carpet is not recommended, moldy carpet and padding should be removed and discarded.

WOOD AND DRYWALL:

Apply to exposed and/or structural wood surfaces and drywall to prevent and control mold and mildew. Examples include exterior decking, and exposed joists or subflooring in basements, crawlspaces, attics and garages, as well as exposed drywall or particle board in same or similar areas. Heavily soiled areas must be precleaned prior to application. NOT for use in areas where food/feed items are present. Use a pump sprayer with wand. Hold the end of the wand 4-6 inches from the surface, using smooth back and forth motions to cover the entire target area to ensure complete coverage, dampen but do not soak surface. If soaking or drips do occur, blot dry with a disposable cloth or sponge. Allow areas to dry before re-entry.

Dry wood and drywall within 24 hours to prevent conditions favorable to mold growth. To assist the drying process after remediation and application of this product use of fans, dehumidifiers, heaters or other methods of ventilation should be used. Please consult with your local county extension office or EPA, www.epa.gov/mold/moldresources.html for more information.

HARD, NON-POROUS SURFACES:

This product is not for use in food/feed handling areas.

This product inhibits the growth of molds and mildews that cause odor, staining and discoloration on hard non-porous surfaces in areas such as bathrooms/restrooms, garbage storage areas, basements, and other areas prone to mold and mildew. Use AZO-Shield in a pump sprayer as a spot treatment to treat the following surfaces: floors, walls, painted surfaces, metal surfaces, stainless steel surfaces, glazed ceramic tile, glazed porcelain, bathtubs and shower stalls made of fiberglass, plastic surfaces, vinyl surfaces; as well as Formica, granite, marble, or other polished stone surfaces. Spot test on an inconspicuous area before use. Remove visible dirt or soil prior to application. Use a pump sprayer with wand. Hold the end of the wand 4-6 inches from the surface, using smooth back and forth motions to cover the entire target area to ensure complete coverage, dampen but do not saturate surface. If drips do occur, dry with a disposable cloth, sponge or mop. Allow areas to dry before reentry. Do not use in areas where food is prepared or stored.

***Special Procedures:**

In the absence of access to the guidance and standard identified, the user should refer to the following information taken from the U.S. EPA's guide: "*Mold Remediation in Schools and Commercial Buildings (March 2001)*". These guidelines are designed to protect the health of occupants and cleanup personnel during remediation. These guidelines are based on the area and type of material affected by water damage and/or mold growth. Please note that these are guidelines; some professionals may prefer other cleaning methods. Use the appropriate remediation steps prior to application of AZO-Shield.

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