

100-1229

10/22/2009

1/20

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

OCT 22 2009

Pat Dinner
Syngenta Crop Protection, Inc.
P.O. Box 18300
Greensboro, NC 27419

SUBJECT: AZO-Shield™
EPA Registration Number: 100-1229
Application Date: September 28, 2009
Receipt Date: September 29, 2009

Dear Ms. Dinner:

This letter acknowledges receipt of the notification identified above submitted under the provisions of section 3 (c) 9 the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended and PR Notice 2007-4.

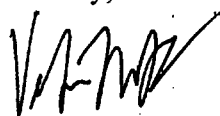
- Revise Container Handling Statements

Based on a review of the submitted information, this notification is acceptable. Your proposed label language is in agreement with PR Notice 2007-4. This notification will be made part of the record for this file.

General Comments

The submitted electronic labeling has not been processed at this time. Electronic labeling is only reviewed in conjunction with label amendments, not notifications. 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)

7510P:T.Lantz:10/21/09:100-1229d		CONCURRENCES					
SYMBOL	7510P						
SURNAME	S. Lantz						
DATE	10/21/09						



United States
Environmental Protection Agency
 Washington, DC 20460

<input type="checkbox"/>	Registration
<input type="checkbox"/>	Amendment
<input checked="" type="checkbox"/>	Other

OPP Identifier Number
 Notification

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Application for Pesticide - Section I

1. Company/Product Number 100-1229	2. EPA Product Manager Velma Noble	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) AZO-Shield	PM# 31	
5. Name and Address of Applicant (Include ZIP Code) Syngenta Crop Protection, Inc. P. O. Box 18300 Greensboro, NC 27419 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

Explanation: Use additional page(s) if necessary. (For Section I and Section II.).

Notification of label change per PR Notice 2007-4. This Notification is consistent with the guidance of PR Notice 2007-4 and the requirements of EPA's regulations at 40 CFR §§156.10, 156.140, 156.144, 156.146, and 156.156. No other changes have been made to the labeling or the Confidential Statement of Formula for this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if the amended label is not consistent with the requirements of 40 CFR §§156.10, 156.140, 156.144, 156.146, and 156.156, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

Syngenta is amending the Storage and Disposal section of the label by Notification according to the directions stated in PR Notice 2007-4.

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes* <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Metal <input checked="" type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____		
*Certification must be submitted		If "Yes" Unit Packaging wgt. No. per Container	If "Yes" Unit Packaging wgt. No. per container		
3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container 55 gal. and 300 gal.		5. Location of Label Directions <input checked="" type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product	
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled			<input checked="" type="checkbox"/> Other <u>Pressure Sensitive</u>		

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)					
Name Pat Dinnen		Title Label Group Leader		Telephone No. (Include Area Code) 336-632-2494	
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.					6. Date Application Received (Stamped)
2. Signature <i>Pat Dinnen</i>		3. Title Regulatory Specialist			
4. Typed Name Pat Dinnen		5. Date September 28, 2009			

Certification with Respect to Label Integrity

Version: 9/11/02

I certify that the information (including, but not limited to, text, tables, and graphics) contained in the electronic file identified below by file name and submitted with this certification is the same information as that on the paper copies of these documents included with this submission.

PROPOSED LABEL		
EPA Registration #	Date Submitted to EPA	Electronic file name
100-1229	9/28/2009	000100-01229.20090925.AZO-SHIELD_PRN2007-4_SEP2009.pdf

I certify that the statements that I have made on this form are true, accurate, and complete. I acknowledge that any knowingly false or misleading statements may be punishable by fine or imprisonment or both under applicable law.

Pat Dinnen
Signature

September 28, 2009
Date

Pat Dinnen
Name (typed)

Label Group Leader
Title

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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.

SCP 1229A

55 gallons
300 (bulk) gallons
Net Contents

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

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.

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.

MANUFACTURING USE DIRECTIONS FOR INCORPORATION INTO MATERIALS

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

PAPER, WALLBOARD (DRYWALL AND GYPSUM BOARD) AND PAPERBOARD PRODUCTS

AZO-Shield is for use 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, apply 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 is to be applied to the gypsum core of wallboard to inhibit the growth of fungi. Apply 0.050 to 0.075 pounds of active ingredient per 1,000 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

the point of manufacture 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. Apply AZO-Shield 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, add AZO-Shield at the point of manufacture at levels between 0.44% and 2.18% by weight of finished product (0.10% and 0.5% active ingredient). Do not use AZO-Shield in food grade coatings, adhesives, and paper or paperboard which will come into contact with food.

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

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:

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.

RUBBER AND PLASTIC PRODUCTS

AZO-Shield is for incorporation into 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, 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. 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 or feed 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 identified on this label. 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 $\frac{1}{2}$ the final volume of water in the spray container, mix thoroughly, and add the remaining $\frac{1}{2}$ volume of 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 ensure dyes will not bleed or that staining will not occur.

Vacuum carpets thoroughly and discard vacuum cleaner bag 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. If soaking, runoff or drips do occur, blot 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, and dampen but do not soak surface. Any drips or runoff 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 the 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, and dampen but do not soak surface. If soaking, runoff 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 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, and 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. 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, remove and discard moldy carpet and padding. 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 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.

Minimum personal protective equipment to be worn during cleanup 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 cleanup includes gloves, 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 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 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.

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, and 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; scrub as needed. Dispose of the contents of the HEPA vacuum while 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, and 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 of 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 remediation of molds and mildews that 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; remove and discard moldy carpet and padding.

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 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 re-entry. 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.

STORAGE AND DISPOSAL

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.

Pesticide Disposal


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

Container Disposal Handling

Non-refillable container. Do not reuse or refill this container. Offer for recycling if available. 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 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. 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 reconditioning, or puncture and dispose of in a sanitary landfill, by incineration, or, if by other procedures allowed by state and local authorities, by burning. If burned, stay out of smoke. ✓

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

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For non-emergency (e.g. current product information) call
Syngenta Crop Protection at 1-800-334-9481.

Manufactured for:
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AZO-Shield 1229 MAS 0207 – bb – 9-21-09
AZO-Shield 1229 MAS 0207 PRN2007-4 NOTIF-SEP2009 – pl – 9/25/09