

88965-1

5/6/2013

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U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs
Antimicrobials Division (7510P)
1200 Pennsylvania Avenue NW
Washington, D.C. 20460

NOTICE OF PESTICIDE:

x Registration
Reregistration

(under FIFRA, as amended)

EPA Reg. #: Date of Issuance:

88965-1 5/6/13

Term of Issuance:

Conditional

Name of Pesticide Product:

[Pathex] [PathShield]
Antimicrobial Filter Media

Name and Address of Registrant (include ZIP Code):

A S Filtration, LLC,
2705 Kanasita Dr.,
Chattanooga, TN 37343

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product (OPP Decision No. D-471824) is conditionally registered in accordance with FIFRA sec 3(c)(7)(A) provided that you:

- 1. Submit and/or cite all data required for registration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for re-registration of your product under FIFRA section 4.

Signature of Approving Official:

to [Signature]
Velma Noble
Product Manager Team-31
Regulatory Management Branch
Antimicrobials Division (7510P)

Date:

MAY 6 2013

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2. Submit three (3) copies of your final printed labeling before distributing or selling the product bearing the revised labeling.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records. Should you have any questions regarding this letter, please contact.

Sincerely,

Dezella Copeland

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

Enclosure: stamped label

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{MASTER LABEL}

{All text in brackets [xxx] is optional & may or may not be included on a printed label.}

{All text in braces {xxx} is administrative & will not appear on a printed label.}

[Pathex[®]] [PathShield[™]] Antimicrobial Filter Media

For reduction and control of coliform bacteria in storm water, ~~recirculating cooling tower systems~~, industrial waste water, and municipal waste water treatment only.

Active Ingredient:

3-(trihydroxysilyl) propyldimethyloctadecyl ammonium chloride 0.05%

Other Ingredients: 99.95%

Total Ingredients: 100%

KEEP OUT OF REACH OF CHILDREN

CAUTION

FIRST AID

If Inhaled: 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.

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, and then continue rinsing. Call poison control center or doctor for treatment advice.

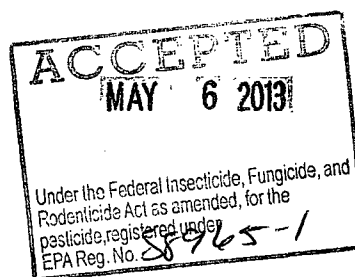
If Swallowed: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

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

[Optional - emergency phone number]

A S Filtration[™], LLC
2705 Kanasita Dr.
Chattanooga, TN 37343
(888) 344-9044

EPA Reg. No. **88965-R-1**
EPA Est. No. **88965-TN-001**



Net Contents: _____

Lot Number: _____

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**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

CAUTION - Harmful if inhaled. Avoid breathing dust. Causes moderate eye irritation. Avoid contact with eyes or clothing. Wear goggles or face shield and a NIOSH approved dust mask or respirator if applications result in dusting. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing prior to reuse.

HEALTH CAUTION

**LUNG INJURY AND
CANCER HAZARD
CONTAINS FREE CRYSTALLINE SILICA
CAS No. 14808-60-7**

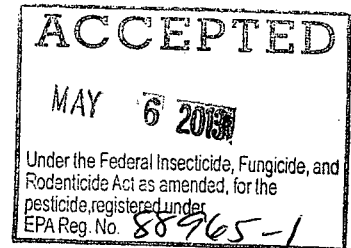
**DO NOT BREATHE DUST
MAY CAUSE DELAYED LUNG INJURY**

Prolonged inhalation can cause delayed lung injury including SILICOSIS, a progressive, disabling, and sometimes fatal lung disease. IARC has determined that crystalline silica inhaled from occupational sources can cause cancer in humans. Risk of injury is dependent on the duration and level of exposure.

Avoid creating dust when handling, using, or storing. Use only with adequate ventilation to keep exposure below recommended exposure limits. Do not use as a dry abrasive blasting agent. Follow OSHA or other relevant safety and health standards for the form of crystalline silica called quartz. Current material safety data sheet containing safety information is available and should be consulted before opening. Since empty containers retain product residue, follow label warnings even after this container is empty.

PERFORMANCE

- [Pathex®] [PathShield™] reduces both particulate and coliform bacterial contamination.
- The antimicrobial agent on [Pathex®] [PathShield™] is not consumed and is not prone to release or leaching [under normal shipping, storage, or use conditions].
- Effective at high flow rates [up to 20 gpm/ft²].
- Drop in replacement for [standard][untreated] sand filter media.
- [No power source needed]
- [No moving parts]
- [Non-corrosive]
- [Not affected by seasonal temperature changes]
- [Simple maintenance]
- Antimicrobial activity is dependent upon water flow rate through the [Pathex®] [PathShield™] media [; channeling and clogging will reduce antimicrobial efficiency].



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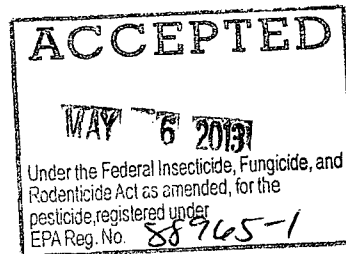
- [Appropriate flow rate][Dynamic contact][reduces coliform bacteria in] water that passes through the [Pathex®] [PathShield™] media.
- More than physical removal of bacteria; [Pathex®] [PathShield™] kills coliform bacteria that pass through the media.

{The following statement regarding NSF/ANSI Standard 61 certification is only applicable to the Pathex® Basic Confidential Statement of Formula; the PathShield™ Alternate formulation is not NSF/ANSI Standard 61 certified.}

- [A. S. Filtration™'s Pathex® is certified by NSF to NSF/ANSI Standard 61 for drinking water system components.]



Certified to NSF/ANSI 61



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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.

[Pathex®] [PathShield™] Antimicrobial Filter Media may be used as a direct substitute media in most sand filter systems for water treatment. It should be kept clean and dry prior to installation. The coliform bactericidal activity of [Pathex®] [PathShield™] is dependent upon the flow of contaminated water through the media. That is, [Pathex®] [PathShield™] does not release, discharge, or leach an antimicrobial agent that kills coliform bacteria but rather requires physical movement of these organisms over the hostile surface of granules for antimicrobial activity.

To obtain antimicrobial activity, [Pathex®] [PathShield™] must be used within an enclosed device, container, contrivance, apparatus, vessel, or system that directs all water to be treated through the media without channeling or opportunity for bypass. [Pathex®] [PathShield™] media is intended for use in the following applications:

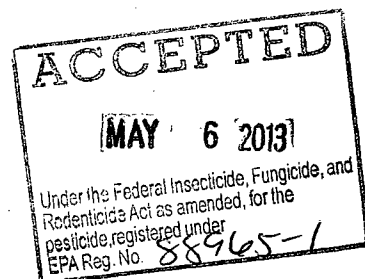
1. Sand filter structures, cartridges, or devices operating in the following circulating-cooling-tower water treatment systems.
2. Industrial waste water filtration systems: including cartridges, vessels for batch or continuous operation, and filtration panels for treatment of industrial discharges, and process water excluding potable water. {NOTE TO REVIEWER: process waste water defined as water that comes in contact with any raw material, product, by-product, or waste during any production or industrial process.}
3. Storm water filtration systems including catch basin inserts, filtration beds, filtration units, cartridges, and filtration layers.
4. Municipal waste water filtration: systems for treatment of secondary or tertiary sewage treated effluent excluding potable water. [Pathex®] [PathShield™] must not be used as standalone treatment for raw sewage.

[Pathex®] [PathShield™] media should be installed in accordance with the treatment device manufacturer's filter media installation instructions. Since the physical specifications of [Pathex®] [PathShield™] has the same filter media physical characteristics and specifications as standard untreated sand, modifications or alterations to the water filter system are not required.

For installations, the filter chamber should have a layer of water through which [Pathex®] [PathShield™] is installed in order to both minimize dusting and facilitate filter media distribution. A 50 lb pail/bag of [Pathex®] [PathShield™] is approximately 0.5 ft³. For replacement or retrofit installations, [Pathex®] [PathShield™] must be installed after the old filter media has been completely removed. Prior to media installation, internal plumbing/mechanisms should be inspected and cleaned. If the old/removed filter media was fouled or contaminated, the interior of the vessel should be disinfected using an appropriate FIFRA registered product according to its use instructions.

Sand filters with [Pathex®] [PathShield™] installed must always be operated and maintained according to device manufacturer's instructions. Backwash and cleaning cycles must be conducted per manufacturer's recommendations. [Pathex®] [PathShield™] is rated for the following minimum and maximum flow rates in order to maintain antimicrobial activity:

- Filtering: 1 gpm/ft² up to 20 gpm/ft² max
- Backwash: up to 15 gpm/ft² max



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CONDITIONS, DISCLAIMER OF WARRANTIES AND LIMITATIONS OF LIABILITY

Read the following. By using this product, buyer accepts the following Conditions, Disclaimer of Warranties and Limitations of Liability.

CONDITIONS: Read the entire Directions for Use. The directions for use of [Pathex®] [PathShield™] must be followed carefully. Environmental factors such as oils and greases in the water, excessive corrosion in equipment and piping, and improper operation and maintenance of the sand filter device may adversely affect the performance and/or longevity of [Pathex®] [PathShield™]. Since these factors are beyond the control of A S Filtration™, LLC, the buyer assumes all risks related to these factors.

DISCLAIMER OF WARRANTIES: A S Filtration™, LLC makes no other warranties, express or implied, of the fitness for a particular purpose or otherwise, beyond the statements made on this label. A S Filtration™, LLC makes no claims as to the effectiveness of [Pathex®] [PathShield™] against damage by microorganisms to any upstream or downstream equipment, piping or systems. No agent of A S Filtration™, LLC is authorized to make or modify any warranties beyond those contained herein.

LIMITATIONS OF LIABILITY: The exclusive remedy of the buyer for any losses, injuries, or damages resulting from the use or handling of [Pathex®] [PathShield™] shall not exceed the purchase price paid or, at A S Filtration™'s discretion, the replacement of the product to the extent consistent with applicable law.

STORAGE AND DISPOSAL

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

Pesticide Storage: Store in original, tightly closed secure container in a protected area inaccessible to children.

Pesticide Disposal: To avoid waste, use all material in this container by application according to label directions. If wastes cannot be avoided, offer remaining product to a waste disposal facility or pesticide disposal program (often such programs are run by state or local governments or by industry). Note that, as with other sand filter media, if the water treatment device containing [Pathex®] [PathShield™] has been used to filter out non-bacterial contaminants of concern, it is advisable to perform a Toxic Characteristic Leaching Procedure (TCLP) test on the spent material to determine the best disposal methods according to local, state and federal guidelines.

Container Handling:

Refillable container (5 gallon bucket): Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal completely empty container into application equipment. Then thoroughly rinse container with detergent and fresh water. To clean the container before final disposal, empty the remaining contents from this container into application equipment or a mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with a pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities.

[Or]

Nonrefillable container (50 pound bags and supersacks): Do not reuse or refill this container. Completely empty container into application equipment. Then offer for recycling if available or discard in trash or puncture and dispose of in a sanitary landfill.

