

85249-1

7/10/2013

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460



United States  
Environmental Protection  
Agency

Office of Pesticide Programs

Gaughan Consulting  
c/o HeiQ Materials AG, Zuercherstrasse 42  
1369 Gwynedale Way  
Lansdale, PA 19446

JUL 10 2013

Attention: Carlo R. Centonze  
Chief Executive Officer

Subject: HeiQ AGS-20  
EPA Registration No. 85249-1  
Notification Dated June 3, 2013

This will acknowledge receipt of your notification, submitted under the provisions of FIFRA Section 3(c)(9).

Proposed Notification

- Alternate Brand Name: "HeiQ AGS-20WP"
- Updated Basic Confidential Statements of Formulas (CSFs)

General Comments:

Based on a review of the submitted material, the following comments apply:

The Basic Confidential Statement of Formula dated May 22, 2013 is in compliance with PR Notice 98-10 and is acceptable. This information has been made a part of your file.

If you have any questions concerning this letter, please contact Martha Terry at (703) 308-6217.

Sincerely,

A handwritten signature in black ink that reads "Martha Terry".

Marshall Swindell  
Product Manager (33)  
Regulatory Management Branch 1  
Antimicrobials Division (7510P)

Please read instructions on reverse before completing form.

Form Approved, OMB No. 2070-0080

Print Form



United States  
Environmental Protection Agency  
Washington, DC 20460

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

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number HeiQ Materials AG/85249-1	2. EPA Product Manager Marshall Swindell	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) HeiQ Materials AG/ HeiQ® AGS-20 WP	PM# 33	
5. Name and Address of Applicant (Include ZIP Code) HeiQ Materials AG, Zuercherstrasse 42 CH-5330 Bad Zurzach, Switzerland. <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.)

This is to notify EPA that the product HeiQ® AGS-20, which is a powder, has been packaged in water soluble packages and will be sold under the name HeiQ® AGS-20 WP.

Section - III

1. Material This Product Will Be Packaged In:					
Child-Resistant Packaging <input checked="" type="checkbox"/> Yes* <input type="checkbox"/> No	Unit Packaging <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		2. Type of Container <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. 100 g	No. per container 10	If "Yes" Package wgt. 100	No. per container 10
3. Location of Net Contents Information <input type="checkbox"/> Label <input checked="" type="checkbox"/> Container		4. Size(s) Retail Container		5. Location of Label Directions <input type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product	
6. Manner in Which Label is Affixed to Product <input checked="" type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled			<input type="checkbox"/> Other _____		

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Renata R. Gaughan, Ph.D.	Title Regulatory Consultant	Telephone No. (Include Area Code) 215-393-4908
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 	3. Title Chief Executive Officer	
4. Typed Name Carlo R. Centonze	5. Date May 22, 2013	

**Gaughan Consulting**

1369 Gwynedale Way ♦ Lansdale, PA 19446 ♦ (215) 393-4908

June 3, 2013

Mr. Demson Fuller (PM 33)  
**Mail Code 7510P**  
U.S. Environmental Protection Agency  
Antimicrobials Division  
Office of Pesticide Programs  
One Potomac Yard  
2777 S. Crystal Drive  
Arlington, VA 22202

Re: Notification for Water Soluble Packaging  
EPA Reg. Nos. 85249-1-- HeiQ® AGS-20 WP

Dear Mr. Fuller:

HeiQ is submitting a notification for the conditionally registered product, HeiQ® AGS-20. This product is a powder but will be sold only in water soluble packaging, with the name HeiQ® AGS-20 WP.

Per PR Notice 94-8 (WSP) we are enclosing the following to support this notification:

- Application (EPA Form 8570-1)
- Information on the film and ink and required certification statement.
- A final printed label.
- An updated Confidential Statement of Formula.

If additional information is needed, please call (215-393-4908) or email me at [RRGaughan@comcast.net](mailto:RRGaughan@comcast.net).

Sincerely yours,



Renata R. Gaughan, Ph.D.

cc: Jed Costanza, Ph.D.  
Mail Code 7510P

Murray Height, Ph.D.  
Chief Technology Officer  
HeiQ

# HeiQ<sup>®</sup> AGS-20 WP

*An antimicrobial additive in water soluble packets for use in the manufacture of yarns, filaments, fibers, fiber masterbatches, textile finishes, textile coatings and knitted, woven or nonwoven textile fabrics. Intended for commercial and industrial use, in manufacturing, formulating and fabricating of treated article products specified in the use directions.*

<b>Active Ingredient:</b> Silver *	19.3 %
<b>Other ingredients</b>	80.7 %
<b>TOTAL:</b>	100.0 %

\* includes particles in the size range between 1 and 100 nm.

Keep water soluble packets in this container and store in a cool dry place.

## KEEP OUT OF REACH OF CHILDREN

### CAUTION

#### PRECAUTIONARY STATEMENTS

##### HAZARD TO HUMANS AND DOMESTIC ANIMALS

Causes moderate eye irritation. Harmful if inhaled, swallowed, or absorbed through skin. Avoid breathing dust. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

##### WORKER PROTECTION

HeiQ<sup>®</sup> AGS-20 is packaged in water-soluble packets, which when used correctly, qualify as a closed loading system. Handlers handling this product while it is enclosed in intact water-soluble packets may elect to wear reduced personal protective equipment (PPE) of long-sleeved shirt, long pants, shoes, and socks. Handlers shall exercise care to avoid tearing or puncturing the packaging and releasing HeiQ<sup>®</sup> AGS-20 powder. Because there is a chance that accidental release of HeiQ<sup>®</sup> AGS-20 powder may occur, handlers should have ready access to additional PPE including a NIOSH approved full-face respirator with high-efficiency or P100 filters or cartridges, gloves, and overalls or a Tyvek<sup>®</sup> suit during powder handling. The gloves shall be chemically resistant to all of the components of the textile fiber master batch or coating formulations to which HeiQ<sup>®</sup> AGS-20 is added.

##### FIRST AID

**IF IN EYES:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. Call a poison center or doctor for treatment advice.

**IF INHALED:** Move the 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 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 by a poison control center or doctor. Do not give anything to an unconscious person.

**IF ON SKIN:** 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.

Have the product container or label with you when calling a poison control center or doctor or going for treatment. For emergency information on (product, use, etc.) call the National Pesticides Information Center at 1-800-858-7378, 6:30 AM to 4:30 PM Pacific time (PT), seven days a week. During other times, call the poison control center 1-800-222-1222.

##### ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish, aquatic invertebrates, oysters, clams, and shrimp. 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. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

**GENERAL INFORMATION**

HeiQ® AGS-20 WP contains 19.3% active ingredient. Each package contains 100 grams of HeiQ® AGS-20 antimicrobial additive. The packets are designed for use in mixing and formulating production processes. Do not allow the packets to become wet before adding to the mixing vessel. Do not handle the clear inner packets with wet hands or gloves. Packets should be handled carefully to avoid breaking or tearing.

**MIXING:** The packet containing the HeiQ® AGS-20WP additive is water soluble. The packet can be added directly to mixing vessels used to prepare formulations for various applications used to treat textiles. To prepare the mixture, drop the unopened clear packet into the vessel while filling with water to the desired level. The packet will dissolve in the water, allowing the contents to mix evenly in the formulation. Depending on the water temperature and the degree of agitation, the packets should be completely dissolved within a few minutes from the time they were added to the water.

The package material (polyethylene oxide) is compatible with many of the polymers used in melt-spinning of fibers, filaments and yarns (e.g. nylon). The pre-measured packets can therefore be added also to vessels and hoppers used in the manufacture of masterbatches to be used in fiber spinning processes. The closed packets are be added directly to the extruder feeder hopper.

**DIRECTIONS FOR USE**

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

**This product may not be used for any applications involving food contact, food packaging, or drinking water.**

HeiQ® AGS-20 WP is an antimicrobial additive for commercial and industrial use. It is designed to be incorporated into materials and intermediate polymer and coating solutions during the manufacturing process to impart durable antimicrobial and preserving activity to manufactured products. The product **suppresses** the growth of odor, stain, discoloration, degradation or contamination causing microbes. If microbial activity in the manufacturing product could lead to unpleasant odors, discoloration, deterioration or contamination of the product, then such claim may be made for the manufactured product. Manufactured products incorporating HeiQ® AGS-20 WP may not make any public health claims relating to antimicrobial activity without first obtaining an EPA registration for the manufactured product. When incorporated into treated articles, HeiQ® AGS-20 WP does not protect users of any such manufactured product or others against food-borne or disease-causing bacteria, viruses, germs or other disease-causing organisms.

HeiQ® AGS-20 WP may be used in materials and intermediate polymer and coating and finishing solutions that may be incorporated into the treated articles listed below. For coating and finishing-type applications using solutions, the final textile article may contain a maximum of 0.002% (by weight) of silver. For all other applications, the final textile article may contain from 0.001% to 0.01% (by weight) of silver. Contact HeiQ Materials AG to determine the appropriate amount of HeiQ® AGS-20 WP for individual finished products.

**NON-FOOD CONTACT USES**

HeiQ® AGS-20 WP may be incorporated into manufactured products listed below for non-food contact uses.

**Textile Fibers and Fiber Coatings and Finishes:** For use in/on natural and synthetic fibers and fabrics, including nonwovens fabrics, such as mattress cover pads and filling; pillow covers, sheets, blankets, fiberfill for quilts and pillows; curtains; draperies; carpet and carpet underlay; rugs; upholstery; table cloths; napkins; wiping cloths; mops; towels; bags; wall covering fabrics; cushion pads; sleeping bags; brush bristles; filters; sponges; packaging; conveyor belts; automotive, aviation and truck upholstery; carpeting; rear decks; trunk liners; convertible tops and interior liners; umbrellas; outerwear; uniforms; gloves; coats; aprons; sportswear; sleepwear; stockings; socks; hosiery; caps; undergarments; inner liners for jackets; shoes; helmets; artificial leather; book covers; cloth for sails; ropes; tents and other outdoor equipment; tarps, awnings and other woven, knitted or non-woven made textile articles.

**STORAGE AND DISPOSAL**

Do not contaminate water, food, or feed by storage and disposal.  
Pesticide Storage: Do not store in areas accessible to children. Keep containers covered and away from water and excessive moisture or humidity. Store at ambient temperatures.  
Pesticide Disposal: Wastes from use of this product may be disposed of on site or at an approved disposal facility.  
Container Disposal: Do not use container in connection with food, feed, or drinking water. After removing all the polyethyleneoxide packets, the carton may be disposed of in the trash. The empty foil wrappers may be wrapped in newspaper and disposed of in the trash.

**WARRANTY STATEMENT**

HeiQ Materials AG warrants that this product conforms to the chemical description on the label. HeiQ Materials AG makes no warranties of merchantability or fitness for a particular purpose or any other expressed or implied warranty except as stated above.

HeiQ Materials AG  
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Switzerland  
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