

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

March 7, 2016

Renata R. Gaughan Regulatory Consultant HeiQ Materials AG 1369 Gwynedale Way Lansdale, PA 19446

Subject: Label Amendment – Label Update Product Name: HeiQ AGS-20 EPA Registration Number: 85249-1 Application Date: October 1, 2015 Decision Number: 509864

Dear Ms. Gaughan:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

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

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with FIFRA section 6. If you have any questions, please contact Seiichi Murasaki at (703) 347-0163 or via email at <u>murasaki.seiichi@epa.gov</u>.

Sincerely,

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Julie Chao, Product Manager 33 Regulatory Management Branch 1 Antimicrobials Division (7510P) Office of Pesticide Programs

Enclosure: Accepted Label

HeiQ[®] AGS-20

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.

Active Ingredient: Silver * Other ingredients TOTAL: * 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[®] 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[®] AGS-20 powder. Because there is a chance that accidental release of HeiQ[®] 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® 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[®] 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, and birds. 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.

EPA Reg. No-85249-1

ACCEPTED Mar 07, 2016 Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the pesticide registered under

EPA Reg. No. 85249-1

19.3 %

80.7 %

100.0 %

GENERAL INFORMATION

HeiQ[®] AGS-20 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-20 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 meltspinning of fibers, filaments and yarns (eg. 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 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 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 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.

 $\operatorname{HeiQ}^{\circledast} \operatorname{AGS-20}$ 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 0.0019% (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 for individual finished products.

NON-FOOD CONTACT USES

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

A. FINISHED PRODUCTS

Textile Fibers and Fiber Coatings and Finishes: For use in/on natural and synthetic fibers and fabrics, including nonwovens fabrics, only in curtains; draperies; carpet underlay; mops; bags; wall covering fabrics; adult sleeping bags; filters; packaging; conveyor belts; automotive, aviation and truck upholstery; rear decks; trunk liners; convertible tops and interior liners; umbrellas; clothing for adults (such as outerwear; uniforms; work gloves; aprons; sportswear; stockings; sport socks; hosiery; boxer briefs; tee-shirts; inner liners for jackets); shoes; helmets; artificial leather; book covers; cloth for sails; ropes; tents and other outdoor equipment; tarps, awnings.

B. TREATED INTERMEDIATES/CONCENTRATES

HeiQ AGS-20 is a pesticidal additive that protects treated intermediate manufacturing/industrial products and treated manufacturing/industrial products from the growth of odor, stain, discoloration, degradation or contamination causing microbes.

MAXIMUM CONCENTRATION: For use in manufacturing/industrial intermediates at active ingredient levels up to 1% on a weight basis. This dosage applies only to intermediate manufacturing/industrial uses. It does not apply to active ingredient concentrations in consumer finished products.

The intermediate treated concentrate must be used in proportion to other inputs in the manufacture of treated articles entering commerce so that the final concentration of **HeiQ**® **AGS-20** does not exceed the application rate of 0.0019% (by weight) of silver for coating and finishing-type applications. 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** for individual finished products.

Finished products containing **HeiQ**® **AGS-20** may not make claims of antimicrobial activity other than protection of the article itself against growth of bacteria and mold in the treated article. If growth of bacteria and mold in the treated article would lead to unpleasant odors and discoloration of the treated article, then such a claim may be made.

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.

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