



U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Antimicrobials Division (7510P)
1200 Pennsylvania Ave., N.W.
Washington, D.C. 20460

EPA Reg. Number:

95700-2

Date of Issuance:

2/5/2021

NOTICE OF PESTICIDE:

Registration
 Reregistration
(under FIFRA, as amended)

Term of Issuance:

Conditional

Name of Pesticide Product:

Livinguard AG/Fabric Treated with
Livinguard Technology

Name and Address of Registrant (include ZIP Code):

Livinguard AG
KRK Consulting, LLC
5807 Churchill Way
Medina, OH 44256

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Antimicrobials 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 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 is conditionally registered in accordance with FIFRA section 3(c)(7)(A). You must comply with the following conditions:

1. Submit and/or cite all data required for registration/reregistration/registration review of your product under FIFRA when the Agency requires all registrants of similar products to submit such data.

Signature of Approving Official:

John Hebert, Branch Chief
Regulatory Management Branch I,
Antimicrobials Division (7510P)
Office of Pesticide Programs

Date:

2/5/21

2. You are required to comply with the data requirements described in the DCI Order identified below:
 - a. GDCI- 0334-0023 EPA-HQ-OPP- 072503-1131
 - b. GDCI -107401-1635 EPA-HQ-OPP- 2007-0831
 - c. GDCI -111801-1519 EPA- HQ-OPP- 2004-0305
 - d. GDCI-122101-1705 EPA-HQ-OPP- 2005-047

You must comply with all of the data requirements within the established deadlines. If you have questions about the Generic DCI listed above, you may contact the Reevaluation Team Leader (Team 36): <http://www2.epa.gov/pesticide-contacts/contacts-office-pesticide-programs-antimicrobial-division>

3. Make the following label changes before you release the product for shipment:
 - Revise the EPA Registration Number to read, “EPA Reg. No. 95700-2.”
4. Submit one copy of the final printed label for the record before you release the product for shipment.

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.

If you fail to satisfy these data requirements, EPA will consider appropriate regulatory action including, among other things, cancellation under FIFRA section 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. Please also note that the record for this product currently contains the following CSFs:

- Basic CSF dated December 29, 2020

The following Alternate Brand names have been added to the product record

- Livinguard
- Tripellent®
- Tripellent® by Livinguard
- Livinguard Tripellent®
- MicroArrest
- VBGguard®

- LVGuard
- VBGBan
- AGBan
- AGprotec
- 4Xban®
- Quadguard
- Livinguard Self-disinfecting Textiles
- Continuous Self-disinfectant
- Continuous Self-disinfectant (by Livinguard)
- Livinguard.com
- Continuous Self-disinfection
- Non-Stop Self-disinfection
- Self-disinfected
- Self-disinfecting textile Patented Self-disinfecting textile
- Continually Self-disinfecting
- Permanent Self-disinfecting textile
- Continuous bacteria-killing textile

If you have any questions, please contact Zebora Johnson by phone at (703) 308-7080, or via email at johnson.zebora@epa.gov.

ACCEPTED

02/05/2021

Under the Federal Insecticide, Fungicide
and Rodenticide Act as amended, for the
pesticide registered under
EPA Reg. No. 95700-2

Fabric Treated with Livinguard® Technology

Alternate Brand Names

Livinguard
Tripellent®
Tripellent® by Livinguard
Livinguard Tripellent®

MicroArrest
MicrobArrest
VBGguard®
LVGguard
VBGban®
AGban®
AGprotec®
4Xban®
Quadguard®
Livinguard Self-disinfecting Textiles
Continuous Self-disinfectant
Continuous Self-disinfectant (by Livinguard)
Livinguard.com
Continuous Self-disinfection
Non-Stop Self-disinfection
Self-disinfected
Self-disinfecting textile
Patented Self-disinfecting textile
Continually Self-disinfecting
Permanent Self-disinfecting textile
Continuous bacteria-killing textile

Active Ingredients:

3-(Trimethoxysilyl) Propyldimethyloctadecyl ammonium chloride*	0.65%
Polyhexamethane Biguanide	0.26%
Silver	0.18%
Propiconazole	0.44%
Other Ingredients	<u>98.47%</u>
Total	100.00%

*Active Ingredient is hydrolyzed to produce methanol. The final concentration of the active ingredient and methanol are:

3-(trihydroxysilyl) propyldimethyloctadecyl ammonium chloride	0.52%
Methanol	approx. 0.1%

KEEP OUT OF REACH OF CHILDREN

US Patent Number US9.487,912 B2
EPA Reg. No. 95700-E

EPA EST. No. XXXXX-XX-XXX

NET WT:

Lot No.

DIRECTIONS FOR USE

Approved commercial and industrial Applications

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

Fabric treated with Livinguard® Technology is a patented technology under US Patent Number US9,487,912 B2 dated 11/8/2016 to include all amendments, modifications and related patents. This technology has many applications and is effective against the following microorganisms:

Staphylococcus Aureus ATCC 6538

Pseudomonas Aeruginosa ATCC 15442

Marketing Claims:

- Self-Disinfecting without any required action by the user.
- Hypo Allergenic for skin sensitivity.
- Effective after 30 industrial washes.
- Effective after 12 repeated inoculations of bacteria within 24 hours.
- Has a greater than 5-log kill rate in less than 10 minutes.
- Kills greater than 99.9% of bacteria in less than 10 minutes
- Bacteria population is reduced to 100,000 times smaller in less than 10 minutes.
- No regrowth of bacteria after 24 hours of continuous use without washing.
- Self-disinfecting, bacteriostatic, and hypoallergenic.
- Non-leaching.
- Non-irritating to the skin.
- Kills Bacteria continuously across two twelve hour work shifts
- Kills Bacteria in 10 mins with nonstop disinfection for 24 hours
- Kills Bacteria continuously across three eight-hour work shifts
- Livinguard Self-disinfecting Textiles
- Continuous Self-disinfectant
- Continuous Self-disinfectant (by Livinguard)
- Livinguard Treated Textiles - Kills Bacteria in 10 mins with nonstop disinfection for 24 hours
- Continuous Self-disinfection
- Non-Stop Self-disinfection
- Self-disinfecting textiles
- Patented Self-disinfecting textiles
- Continually Self-disinfecting
- Permanent Self-disinfecting textiles
- Continuous bacteria-killing textiles

Public Health Claims:

- Kills Bacteria such as staphylococcus Aureus and Pseudomonas Aeruginosa.
- With a kill rate that reduces the pathogen population to make it 100,000 smaller or eliminates 99.999% in less than 10 minutes thus reducing the opportunity for that bacteria to spread.
- Being bacteriostatic, the bacteria does not regrow on the textile in 48 hours, thus providing continued protection without any cleaning action required by the user.
- Non-irritating to the skin.
- Effective against Gram Negative and Gram Positive bacteria.

Livinguard® Technology can be used to treat the following fabrics:

100% viscose

100% cotton

All polyester-viscose fabric blends with maximum 65% polyester

All polyester-cotton fabric blends with maximum 65% polyester

Must use a minimum of 14.3 gallons of solution per 100 lbs fabric for the treatment rate. The percentage weight of active ingredients added to the fabrics before washing must be at least 1.38% (1.3 lbs/100 lbs treated fabric) using the dried weight of fabric, before and after treatment.

Fabric treated with Livinguard® Technology can be used for any textile product that would benefit from being durable and having self-disinfecting qualities, such as:

In Healthcare and Laboratories –

Scrubs, patient gowns, lab coats, cubicle curtains, shower curtains, bedrail covers, linens, upholstery, towels, cart covers, laundry bags and uniforms.

In Hospitality and Cruise Ships –

Uniforms, aprons, tablecloths, linens, blankets, bedspreads, towels, food service handlers' gloves, upholstery, doorknob covers, laundry bags, shower curtains, carpeting and cart covers.

In Food Processing, Handling and Packaging –

Uniforms, aprons, gloves, towels, smocks, butcher coats, conveyor belts, cart covers, canvas, polyethylene bags, jute bags and doorknob covers.

Washing Instructions:

- Do not use Bleach – bleach will adversely affect Livinguard® durability and effectiveness.
- Use Non-Ionic Detergent.
- Rinse with Citric Acid to remove any residual soap or detergent if needed.
- Washing, Drying and Ironing – not to exceed 160°F as recommended by fiber content of fabric to prevent shrinkage.

Product Label

Fabric is guaranteed to be effective in reducing *Staphylococcus aureus* ATCC 6538 and *Pseudomonas aeruginosa* ATCC 15442 if product is washed after 24 hours of use. Product has been tested up to a total of 30 washings. Do not use bleach. Use a non-ionic detergent. Rinse with citric acid to remove any residual soap or detergent if needed. Washing, drying and ironing must not exceed 160°F. The use of this product is a supplement to and not a substitute for standard infection control practices: user must continue to follow all current infection control practices, including regular washes and good hygiene practices. Textile materials were tested in fabric form. Antimicrobial treated textile has been shown to reduce microbial contamination, but does not necessarily prevent cross contamination.

Washed _____ Times

STORAGE AND DISPOSAL

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

Pesticide Storage: Store in a cool dry area.

Pesticide Disposal: Normal Disposal of the product in applicable waste area.

Livinguard, AG and its licensee warrant that this product conforms to the chemical description on this label. That it is reasonably fit for the purposes stated on the label only when used and maintained in specific accordance with the directions and instructions for use as specified on the label. In no way does Healthprotex or its licensee or Livinguard® Technology claims that this product will prevent or cure any illnesses.

Livinguard, AG does not agree to be an insurer of these risks beyond what is expressly warranted by this label. When using this product the consumer agrees to accept these risks. To the extent permitted by applicable law, Healthprotex makes no other express or implied warranty. To the extent permitted by applicable law, in the event of a breach of this limited warranty, Livinguard, AG shall not be liable for incidental, consequential or special damages resulting from the use or handling of this product. Subject to applicable law, Livinguard, AG neither makes nor authorizes any of its agents, licensees or representatives to make any warranty of fitness or merchantability, guaranty or representation, express or implied concerning this material.

Buyer/User assumes the responsibility to handle, use and store this product in accordance with the safety instructions and use directions contained on the label. Buyer/User purchases this product subject to the foregoing Conditions of Sale and Limited Warranty, which, subject to applicable law, may be varied only by a written agreement signed by a duly authorized representative of Livinguard, AG.

To the extent permitted by applicable law, the exclusive remedy of the Buyer/User and the exclusive liability of Livinguard, AG or seller, for any and all claims, losses, injuries or damages (including claims based upon breach of warranty, negligence, tort or strict liability) whether from failure to perform or injury 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 Livinguard, AG or seller, the replacement of the product.

To the extent permitted by applicable law, Livinguard, AG must have prompt notice of any claim so that it will have the opportunity to conduct an inspection of the damages. Buyer and all users shall promptly notify Livinguard, AG of any claims, whether based on breach of contract, negligence, strict liability or other tort or claimant may be barred from any remedy.

If any of these terms are not acceptable, return all unopened products to place of purchase for a full refund.

Manufactured By:
Livinguard, AG
Bahnhofstrasse 12
6300 Zug, Switzerland