



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

August 9, 2018

Jeremy Drudy
EHS/Regulatory Specialist
Haviland Products Company
421 Ann Street NW
Grand Rapids, MI 49504

Subject: Label Amendment – Add product names to be used in Directions for Use
Product Name: Havasan LB-12
EPA Registration Number: 10183-9
Application Date: May 8, 2018
Decision Number: 541141

Dear Drudy:

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.

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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 with FIFRA section 6. If you have any questions, please contact Wanda Henson by phone at (703) 308-6345 or via email at henson.wanda@epa.gov

Sincerely,

A handwritten signature in blue ink that reads "Wanda G. Fuller, for". The signature is written in a cursive style.

Demson Fuller, Product Manager 32
Regulatory Management Branch II
Antimicrobials Division (7510P)
Office of Pesticide Programs

Enclosure

Master Label
Havasan LB-12

EPA Reg. No 10183-9
(08/08/2018)

Note to Reviewer:

All *italicized* text is administrative and will not appear on final label.
All text in brackets [] is optional and may or may not be included on final label.

Havasan LB-12

[CHLORINATED SANITIZER AND DISINFECTANT]

ACTIVE INGREDIENT:

Sodium Hypochlorite..... 12.5%
OTHER INGREDIENTS..... 87.5%
TOTAL..... 100%

**KEEP OUT OF REACH OF CHILDREN
DANGER**

See additional precautions on [back] [side] panel.

FIRST AID

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For emergency information call [[CHEMTREC]{or}[EMERGENCY COMPANY NAME] at] X-XXX-XXX-XXXX for emergency medical treatment information.

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 eye. Call a poison control center or doctor for treatment advice.

IF ON SKIN OR CLOTHING: 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 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.

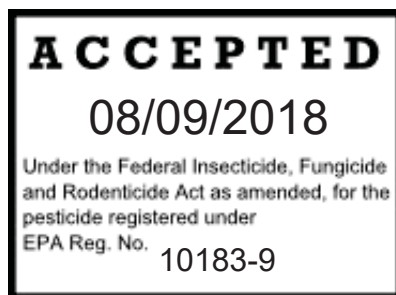
IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

Note to Physician: Probable mucosal damage may contraindicate the use of gastric lavage.

Packaged by:
Haviland Products Company
421 Ann St. NW
Grand Rapids, MI 49504

EPA Reg. No. 10183-9
EPA Est. No. _____

Net Contents: _____
Batch Code # / Lot #: _____



PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER: Corrosive. Causes eye damage and skin burns. Do not get in eyes, on skin or on clothing. Wear goggles or safety glasses and rubber gloves when handling this product. 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. Avoid breathing vapors. Vacate poorly ventilated area as soon as possible. Do not return until strong odors have dissipated.

STRONG OXIDIZING AGENT: Mix only with water according to label directions. Mixing this product with chemicals (e.g. ammonia, acids, detergents, etc.) or organic matter (e.g. urine, feces, etc.) will release chlorine gas which is irritating to eyes, lungs and mucous membranes.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and aquatic organisms. 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.

DIRECTIONS FOR USE

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

NOTE: This product degrades with age. Use a chlorine test kit and increase dosage, as necessary, to obtain the required level of available chlorine in all applications.

For all Fruit, Vegetable, Meat and Poultry Processing plants as well as Hospitals and Institutions. Use [Havasan LB-12]{or}[EPA Approved ABN]{or}[this product] for disinfecting and sanitizing building, fixtures and equipment.

POTABLE WATER:

PUBLIC SYSTEMS: Mix a ratio of 1 oz. of [Havasan LB-12]{or}[LB-12]{or}[EPA Approved ABN]{or}[this product] to 100 gallons of water. Begin feeding this solution with a hypochlorinator until a free available chlorine residual of at least 0.2 ppm and no more than 0.6 ppm is attained throughout the distribution system. Check chlorine and bacteria content as prescribed by the National Primary Drinking Water Regulations.

RESERVOIRS ALGAE CONTROL: Hypochlorinate streams feeding the reservoir. Select suitable feeding points on each stream at least 50 yards upstream from the points of entry into the reservoir.

MAINS: Before assembly of new or repaired sections, flush out mud and soil. Once the main is assembled thoroughly flush sections to be sanitized by discharging from hydrants. Permit water flow of at least 2.5 feet per minute to continue under pressure while injecting [Havasan LB-12]{or}[LB-12]{or}[EPA Approved ABN]{or}[this product] by means of a hypochlorinator. Stop water flow when a chlorine residual test of 50 ppm is obtained at the low-pressure end of the new main section after a 24 hour retention time. When chlorination is completed, flush the systems free of all heavily chlorinated water.

NEW SAND FILTERS: Apply 80 oz. of [Havasan LB-12]{or}[LB-12]{or}[EPA Approved ABN]{or}[this product] for each 150 to 200 cubic feet of sand. The action of the [Havasan LB-12]{or}[LB-12]{or}[EPA Approved ABN]{or}[this product] dissolving as the water passes through the bed will aid in sanitizing the new sand.

EXISTING EQUIPMENT: Remove equipment from service, thoroughly clean surfaces of all physical soil. Sanitize by placing 21 oz. of [HAVASAN LB-12]{OR}[LB-12]{OR}[EPA APPROVED ABN]{OR}[THIS PRODUCT] for each 5 cubic feet capacity (approximately 500 ppm available chlorine). Fill to working capacity and let stand at least 4 hours. Drain and place in service. If previous treatment is not practical, surfaces may be sprayed with a solution containing 5 oz. of [HAVASAN LB-12]{OR}[LB-12]{OR}[EPA APPROVED ABN]{OR}[THIS PRODUCT] for each 5 gallons of water (approximately 1,000 ppm available chlorine). After drying, flush with water and return to service.

INDIVIDUAL WATER SYSTEMS:

DUG WELLS: Upon completion of the casing (lining) wash the interior of the casing (lining) with a 100 ppm available chlorine solution using a stiff brush. This solution can be made by thoroughly mixing 1 oz. of this product into 10 gallons of water. After covering the well, pour the sanitizing solution into the well through both the pipe sleeve opening and the pipeline. Wash the exterior of the pump cylinder also with the sanitizing solution. Start pump and pump water until the strong odor of chlorine in water is noted. Stop pump and wait at least 24 hours. After 24 hours, flush well until all traces of chlorine have been removed from the water. Consult your local Health Department for further details.

DRILLED, DRIVEN AND BORED WELLS: Run pump until water is as free from turbidity as possible. Pour a 100 ppm available chlorine sanitizing solution into the well. This solution can be made by thoroughly mixing 1 oz. of this product into 10 gallons of water. Add 5 to 10 gallons of clean, chlorinated water to the well in order to force the sanitizer in the rock formation. Wash the exterior of pump cylinder with the sanitizer. Drop pipeline into well, start pump and pump water until strong odor of chlorine in water is noted. Stop pump and wait at least 24 hours. After 24 hours, flush well until all traces of chlorine have been removed from the water. Deep wells with high water levels may necessitate the use of special methods for introduction of the sanitizer into the well. Consult your local Health Department for further details.

COOLING TOWERS AND CONDENSER WATER:

SLUG FEED METHOD: Initial Dose; When system is noticeably fouled, apply 52 to 104 oz. of [HAVASAN LB-12]{OR}[LB-12]{OR}[EPA APPROVED ABN]{OR}[THIS PRODUCT] per 10,000 gallons of water in the systems to obtain from 5 to 10 ppm of chlorine. Repeat until control is achieved. Subsequent Dose; when microbial control is evident, add 11 oz. of [HAVASAN LB-12]{OR}[LB-12]{OR}[EPA APPROVED ABN]{OR}[THIS PRODUCT] per 10,000 gallons of water in the

system daily, or as needed to maintain control and chlorine residual at 1 ppm. Badly fouled systems must be cleaned before treatment is begun. **INTERMITTENT FEED METHOD:** Initial Dose; When system is noticeably fouled, apply 52 to 104 oz. of [HAVASAN LB-12]{OR}[LB-12]{OR}[EPA APPROVED ABN]{OR}[THIS PRODUCT] per 10,000 gallons of water in the systems to obtain from 5 to 10 ppm of

available chlorine. Apply half, or whatever amount of initial dose dependent upon the amount of water lost during blowdown. Subsequent Dose; Follow the procedure for the Slug Feed Method. Adjust volume dependent upon water lost due to blowdown. Badly fouled systems must be cleaned before treatment is begun.

CONTINUOUS FEED METHOD: Initial Dose; When system is noticeably fouled, apply 52 to 104 oz. of [HAVASAN LB-12]{OR}[LB-12]{OR}[EPA APPROVED ABN]{OR}[THIS PRODUCT] per 10,000 gallons of water in the system to obtain from 5 to 10 ppm of available chlorine. Subsequent Dose; Follow the procedure for the Slug Feed Method. Adjust volume dependent upon water lost due to blowdown. Badly fouled systems must be cleaned before this treatment is begun.

SANITIZING:

SANITIZING OF NON-POROUS, NON-FOOD CONTACT SURFACES: Clean surfaces in a normal manner. Prior to use, rinse all surfaces thoroughly with the sanitizing solution, maintaining contact with the sanitizer for at least 2 minutes. Do not rinse equipment and do not soak overnight. Use a solution of [HAVASAN LB-12]{OR}[LB-12]{OR}[EPA APPROVED ABN]{OR}[THIS PRODUCT] which contains 600 ppm available chlorine by mixing 6 oz. of this solution with 10 gallons of water. **NON-POROUS SURFACES FOR NON-FOOD CONTACT:** Clean equipment surfaces in the normal manner. Prior to use, rinse all surfaces thoroughly with the sanitizing solution, maintaining contact with the sanitizer for at least 2 minutes. Do not rinse equipment with water after treatment and do not soak overnight. Use a solution of [HAVASAN LB-12]{OR}[LB-12]{OR}[EPA APPROVED ABN]{OR}[THIS PRODUCT] which contains 200 ppm available chlorine by mixing 2 oz. of this product with 10 gallons of water.

SANITIZATION OF POROUS, NON-FOOD CONTACT SURFACES - RINSE METHOD; such as institutional walls, floors, and hospital equipment: Clean equipment surfaces in the normal manner. Prior to use, rinse all surfaces thoroughly with the disinfecting solution maintaining contact with the solution for at least 10 minutes. Do not rinse with water after treatment and do not soak overnight. Use a solution of [HAVASAN LB-12]{OR}[LB-12]{OR}[EPA APPROVED ABN]{OR}[THIS PRODUCT] which will contain 600 ppm of available chlorine by mixing 6 oz. of this product with 10 gallons of water.

LAUNDRY:

In soaking suds; Thoroughly mix 2 oz. of this product with 10 gallons of wash water to provide 200 ppm available chlorine. Wait 5 minutes, then add soap or detergent. Immerse laundry for at least 11 minutes prior to starting the wash/rinse cycle. In Washing Suds; Thoroughly mix 2 oz. of [HAVASAN LB-12]{OR}[LB-12]{OR}[EPA APPROVED ABN]{OR}[THIS PRODUCT] with 10 gallons of wash water containing clothes to provide 200 ppm available chlorine. Wait 5 minutes, then add soap or detergent and start the wash/rinse cycle. In Commercial Applications; Spin dry wet fabrics or clothes prior to sanitization. Thoroughly mix 2 oz. of [HAVASAN LB-12]{OR}[LB-12]{OR}[EPA APPROVED ABN]{OR}[THIS PRODUCT] with 10 gallons of water to yield 200 ppm available chlorine. Promptly after mixing the sanitizer, add the solution into the prewash prior to washing fabrics/clothes in the regular wash cycle with a good detergent. Test the level of available chlorine, if solution has been allowed to stand. Add more [HAVASAN LB-12]{OR}[LB-12]{OR}[EPA APPROVED ABN]{OR}[THIS PRODUCT] if the available chlorine level has dropped below 200 ppm.

DISINFECTING:

DISINFECTION OF HARD NON-POROUS SURFACES; such as tiles, glass, stainless steel; Use [HAVASAN LB-12]{OR}[LB-12]{OR}[EPA APPROVED ABN]{OR}[THIS PRODUCT] solution which contains 600 ppm available chlorine by mixing 6 oz. of [HAVASAN LB-12]{OR}[LB-12]{OR}[EPA APPROVED ABN]{OR}[THIS PRODUCT] with 10 gallons of water. The solution should remain in contact at least 10 minutes. For equipment that comes in contact with meat or poultry, use a solution containing 600 ppm available chlorine. Do not rinse equipment with water after treatment or soak overnight. Just before using, rinse all surfaces thoroughly with this [HAVASAN LB-12]{OR}[LB-12]{OR}[EPA APPROVED ABN]{OR}[THIS PRODUCT] solution containing 200 ppm available chlorine. Maintain contact with disinfectant for a minimum of two minutes. Allow to air dry. Do not rinse with water after treatment with [HAVASAN LB-12]{OR}[LB-12]{OR}[EPA APPROVED ABN]{OR}[THIS PRODUCT].

AGRICULTURAL USES:

POST-HARVEST PROTECTION: Potatoes may be sanitized after cleaning and prior to storage by spraying with a sanitizing solution at a level of 1 gallon of sanitizing solution per ton of potatoes. Thoroughly mix 1 oz. of [HAVASAN LB-12]{OR}[LB-12]{OR}[EPA APPROVED ABN]{OR}[THIS PRODUCT] with 2 gallons of water to obtain 500 ppm available chlorine.

FOOD EGG SANITIZATION:

Thoroughly clean all eggs. Thoroughly mix 2 oz. of [HAVASAN LB-12]{OR}[LB-12]{OR}[EPA APPROVED ABN]{OR}[THIS PRODUCT] with 10 gallons of warm water to produce a 200 ppm available chlorine solution. The sanitizer temperature should not exceed 130° F. Spray the warm sanitizer to thoroughly wet the eggs. Allow the eggs to thoroughly dry before casing or breaking. Do not apply a potable water rinse. Do not reuse this solution to sanitize eggs.

FRUIT AND VEGETABLE WASHING: Thoroughly clean all fruits and vegetables in a wash tank. Thoroughly mix 5 oz. of [HAVASAN LB-12]{OR}[LB-12]{OR}[EPA APPROVED ABN]{OR}[THIS PRODUCT] in 200 gallons of water to make a sanitizing solution of 25 ppm available chlorine. After draining the tank, submerge fruit or vegetables for 2 minutes in a second wash tank containing the recirculating sanitizing solution. Spray rinse vegetables with the sanitizing solution prior to packaging. Rinse fruit with potable water only prior to packaging.

STORAGE AND DISPOSAL

Keep this product in a cool dry area, away from direct sunlight and heat to avoid deterioration. In case of spill, flood areas with large quantities of water. Product or rinsate that cannot be used should be diluted with water before disposal in a sanitary sewer.

Nonrefillable container. Do not reuse or refill this container. Offer for recycling if available or place in trash collection. Do not contaminate food or feed by storage, disposal, or cleaning of equipment.

Optional Marketing Statements, shown in []

CHLORINATED SANITIZER AND DISINFECTANT

Baleco International is a wholly owned subsidiary of Haviland Consumer Products, Inc.
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Certified to
NSF/ANSI 60

HEALTH	3
FLAMMABILITY	0
REACTIVITY	1
PERSONAL PROTECTION	D