



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

JUN 28 2010

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

Milo Fortier
Manager, Environmental, Health & Safety
Haviland Products Company
421 Ann Street, N.W.
Grand Rapids, MI 49504

FILE COPY

Subject: Havasan LB-12
EPA Reg. No. 10183-9
Application Dated: May 25, 2010
Receipt Date: June 1, 2010

Dear Mr. Fortier:

The following notification submitted in connection with registration under the provisions of PR Notice 98-10, Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) section 3(c)9 is acceptable.

Proposed Notification:

- Revised Storage and Disposal Section per PR Notice 2007-4

General Comments:

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

This application for notification to revise the product label, as referenced above, is acceptable. A copy has been placed in our records for future reference.

Should you have any questions or comments concerning this letter, please contact me at Henson.Wanda@epa.gov or call (703) 308-6345.

Sincerely,

A handwritten signature in black ink that reads "Wanda Henson".

Wanda Henson
Acting Product Manager (32)
Regulatory Management Branch II
Antimicrobials Division (7510P)



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May 25, 2010

Document Processing Desk (NOTIF)
Office of Pesticide Programs (7504P)
U.S. Environmental Protection Agency
1200 Pennsylvania Ave., NW
Washington, DC 20460-0001

RE: Havasan LB-12 (EPA Reg. No. 10183-9) - Notification per PR Notice 2007-4

To Whom It May Concern:

Please process the enclosed notification for the above referenced product. The purpose of this notification is to add language required by the Pesticide Container Rule under Storage and Disposal per PR Notice 2007-4. I am submitting EPA Form 8570-1 and two copies of the label (one copy with changes clearly marked and one clean copy).

"Notification of label change per PR Notice 2007-4. This notification is consistent with the guidance in PR Notice 2007-4 and the requirements of EPA's regulations at 40 CFR §§ 156.10, 156.140, 156.144, 156.146, and 156.156. No other changes have been made to the labeling or the Confidential Statement of Formula for this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if the amended label is not consistent with the requirements of 40 CFR §§ 156.10, 156.140, 156.144, 156.146, and 156.156, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA."

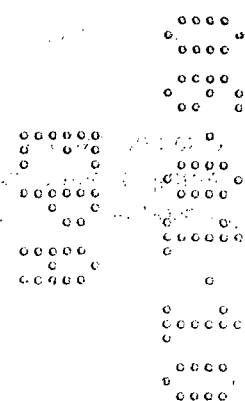
If you have any questions or need additional information, please feel free to contact me.

Regards,

Milo Fortier

Enclosure

cc: File



HAVASAN LB-12

CHLORINATED SANITIZER AND DISINFECTANT

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.

KEEP OUT OF REACH OF CHILDREN DANGER

PRECAUTIONARY STATEMENTS

Hazards to Human and Domestic Animals

DANGER: Corrosive, may cause severe skin and eye irritation or chemical burns to broken skin. Causes eye damage. Wear safety glasses or goggles and rubber gloves when handling this product. Wash after handling. Avoid breathing vapors. Vacate poorly ventilated areas 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.

FIRST AID

If in Eyes	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> Call a Poison Control Center or doctor for treatment advice. Have person sip several glasses of water if able to swallow. DO NOT INDUCE VOMITING unless told to do so by the Poison Control Center or doctor. Do not give anything by mouth to an unconscious person.
If Inhaled	<ul style="list-style-type: none"> Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a Poison Control Center or doctor for treatment advice.
Note to Physician	<ul style="list-style-type: none"> Probable mucosal damage may contraindicate the use of gastric lavage

Have the product container or label with you when calling a Poison Control Center or Doctor, or going for treatment. You may also contact Chemtrec at 1 (800) 424-9300.

ACTIVE INGREDIENT:
Sodium Hypochlorite 12.5%
INERT INGREDIENTS 87.5%

For all Fruit, Vegetable, Meat and Poultry Processing plants as well as Hospitals and Institutions. Use Havasan LB-12 for disinfecting and sanitizing building, fixtures and equipment.

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.

POTABLE WATER:

PUBLIC SYSTEMS: Mix a ratio of 1 oz. of LB-12 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 LB-12 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 LB-12 for each 150 to 200 cubic feet of sand. The action of the LB-12 dissolving as the water passes through the bed will aid in sanitizing the new sand.

POTABLE WATER (con't):

EXISTING EQUIPMENT: Remove equipment from service, thoroughly clean surfaces of all physical soil. Sanitize by placing 21 oz. of LB-12 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 LB-12 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 this well, pour the sanitizing solution into the well through both the pipe/tee 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 LB-12 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 LB-12 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 LB-12 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 LB-12 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 LB-12 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 LB-12 which contains 200 ppm available chlorine by mixing 2 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 LB-12 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 LB-12 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 LB-12 if the available chlorine level has dropped below 200 ppm.

DISINFECTING

DISINFECTING 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 LB-12 which contains 600 ppm of available chlorine by mixing 6 oz. of this product with 10 gallons of water.
DISINFECTING OF NON-POROUS SURFACES: such as sinks, stoves, refrigerators and food handling equipment: Use LB-12 solution which contains 600 ppm available chlorine by mixing 6 oz. of LB-12 with 10 gallons of water. The solution should remain in contact for 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 LB-12 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 LB-12.

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 LB-12 with 2 gallons of water to obtain 500 ppm available chlorine.
FOOD EGG SANITIZATION: Thoroughly clean all eggs. Thoroughly mix 2 oz. of LB-12 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 LB-12 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 rinsates that cannot be used should be diluted with water before disposal in a sanitary sewer. Do not reuse empty containers. Return empty containers to place of purchase or place in appropriate trash after thoroughly rinsing three times. Do not contaminate food or feed by storage, disposal, or cleaning of equipment. **Non-refillable container. Do not reuse or refill this container.** Call your local solid waste agency or 1 (800) CLEANUP (623-2637) for proper disposal of empty containers and unused product.

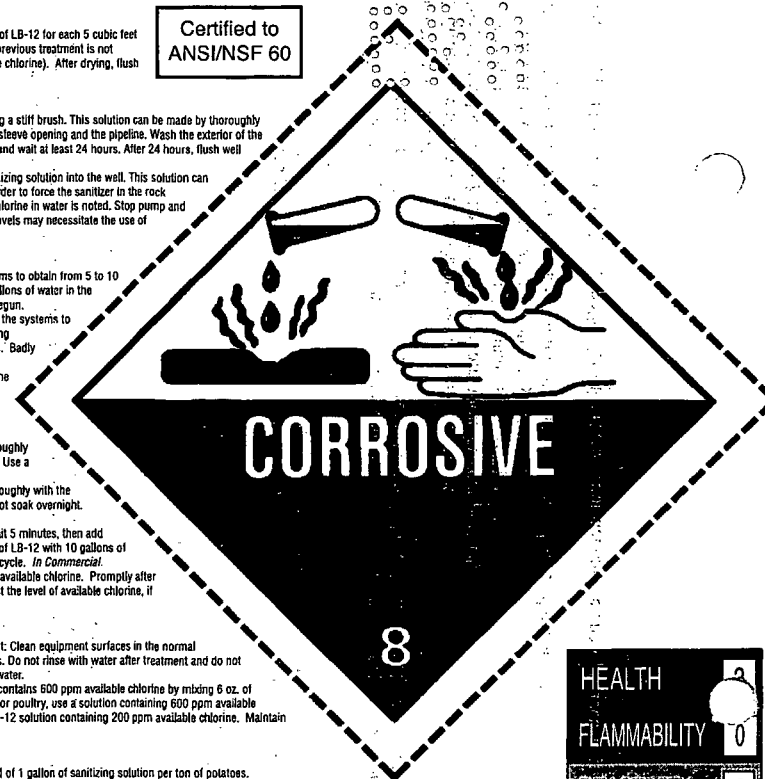
Offer for recycling if available or place in trash collection. **NET WEIGHT 5 GALLONS**

EMERGENCY # 1 (800) 424-9300



Certified to
ANSI/NSF 60

HYPOCHLORITE SOLUTION
UN1791 RQ/800 LBS



HEALTH	2
FLAMMABILITY	0
REACTIVITY	2
PERSONAL PROTECTION	Cn

HAVILAND PRODUCTS COMPANY
421 ANN ST. N.W. GRAND RAPIDS, MICH 49504-2075

EPA Reg. No. 10183-9
EPA Est. No. 10183-MI-001

collection.

REV. 5/07

NOTIFICATION
Date Reviewed: 6/28/2010
Reviewed By: [Signature]

AH