

PM 32 10183-9

1073

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Mr. Donald J. Ryan  
Haviland Products Company  
421 Ann St., N.W.  
Grand Rapids, MI 49504

JUL 1 1992

Dear Mr. Ryan:

Subject: Havasan LB 12 Chlorinated Sanitizer and Disinfectant  
EPA Registration No. 10183-9  
Your Resubmission Dated October 14, 1991

Your application for an additional use-pattern for the subject product has completed review. The following comments apply.

The amendment, referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable with the following comments.

1. The additional use pattern for disinfection of potable water at water treatment facilities is acceptable and is in accordance with the EPA's "Guidance for the Reregistration of Sodium and Calcium Hypochlorite Salts as the active ingredient. You must, however, expand the first sentence under the new use pattern to include how many parts of water one must use to dilute the one part sodium hypochlorite solution.

2. The Ingestion Statement (under the Statement of Practical Treatment) must be changed from:

"IF SWALLOWED, drink large quantities of milk or gelatin solution, if these are not available drink large quantities of water. DO NOT give vinegar or other acids. DO NOT induce vomiting. Get prompt medical attention."

to read:

"IF SWALLOWED, drink large amounts of water. DO NOT induce vomiting. Call a physician or poison control center immediately."

CONCURRENCES

SYMBOL								
SURNAME								
DATE								

A stamped copy of the labeling is enclosed for your records. Five copies of the final printed labels must be submitted for our records.

If you have any questions about these comments, please call Bill Wooge at (703) 305-5295.

Sincerely yours,

A handwritten signature in cursive script, appearing to read 'R. Douglas'.

Ruth G. Douglas  
Product Manager (32)  
Antimicrobial Program Branch  
Registration Division (H7504C)

# HAVASAN LB-12

CHLORINATED SANITIZER AND DISINFECTANT

This product is toxic to fish, unless in accordance with a NPD Environmental Protection Agency

For all Fruits, Vegetable, Meat and Poultry Processing Plants as well as Hospitals and Institutions. Use HAVASAN LB-12 for disinfecting and sanitizing buildings, fixtures and equipment. **KEEP OUT OF REACH OF CHILDREN**

## DANGER

Harmful if Swallowed

Do not mix HAVASAN LB-12 with ACIDS OR DETERGENTS.

Avoid Contact with Skin and Eyes

### ACTIVE INGREDIENT:

Sodium Hypochlorite 12.5%

INERT INGREDIENTS: 87.5%

### STATEMENT OF PRACTICAL TREATMENT (FIRST AID):

IF CONTACT WITH EYES OCCURS, flush with water for at least 15 minutes. Get prompt medical attention. IF CONTACT WITH SKIN OCCURS, wash with plenty of soap and water. IF SWALLOWED, drink large quantities of milk or gelatin solution, if these are not available drink large quantities of water. DO NOT give vinegar or other acids. DO NOT induce vomiting. Get prompt medical attention.

### DIRECTION 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.

### DISINFECTION OF POTABLE WATER AT WATER TREATMENT FACILITIES

Dilute this sodium hypochlorite solution in the ratio of one part sodium hypochlorite solution to five parts water thoroughly and begin feeding of solution with a hypochlorinator (metering pump). Maintain a free available chlorine residual of at least 0.2ppm and no more than 0.6ppm throughout the distribution system, as determined by a DPD chlorine test kit. bacteriological sampling must be conducted at a frequency no less than that prescribed by the National Interim Primary Drinking Water Regulations.

\*\*Check water with a DPD chlorine test kit.

\*\*Contact your local Health Department for further details.



®

EPA Reg. No. 10183-9  
EPA Est. No. 10183-M1-03

HYPOCHLORITE SOLUTION  
UN1791 RB/800 LBS

# HAVILAND®

421 ANN ST. NW GRAND RAPIDS MICH 49504

# PROJECTS COMPANY

Porous Surfaces: Such as instit...  
Havasani LB-12 which will contain...  
10 gal. water.

Non-Porous Surfaces: Such as si...  
Havasani LB-12 solution which cont...  
with 10 gal. of water.

Solution should remain in contact...  
with meat or poultry products, us...  
rinse equipment with water after

Porous Surfaces for Non-Food Co...  
available chlorine by mixing 6 oz...  
Non-Porous Surfaces for Non-Food...  
available chlorine by mixing...  
should be cleared in the normal...  
Rinse all surfaces thoroughly with...  
sanitizer for at least 2 minutes...  
soak overnight.

*7 How many parts*

### HAZARDS TO

**DANGER:** Corrosive, may cause severe...  
Causes eye damage. Wear safety glasses...  
after handling. Avoid breathing vapors...  
Vacate poorly ventilated areas as vapors...  
dissipated.

### PHYS

**STRONG OXIDIZING AGENT:** Mix only...  
ammonia, acids, detergents, etc. Do not...  
chlorine gas that is irritating to the...

### STO

Store product in cool, dry area. Do not...  
spill, flood areas with large quantities...  
be diluted with water before disposal...  
DO NOT reuse container but place in...  
or feed by storage, disposal or...

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