



U.S. ENVIRONMENTAL PROTECTION AGENCY  
Office of Pesticide Programs  
Antimicrobials Division (7510W)  
401 "M" St., S.W.  
Washington, D.C. 20460

EPA Reg. Number:  
57787-14

Date of Issuance:  
MAY 14 1998

**NOTICE OF PESTICIDE:**  
Registration  
X Reregistration

(under FIFRA, as amended)

Term of Issuance:

Name of Pesticide Product:  
Lithium Hypochlorite

Name and Address of Registrant (include ZIP Code):  
Haviland Consumer Products, Inc.  
1855 Turner N.W.  
Grand Rapids, MI 49504

**Note:** Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration 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/reregistered 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.

Based on your response to the Reregistration Eligibility Document, EPA has reregistered the above named product subject to the comments recorded in the succeeding paragraph. This action is taken under the authority of section 4(g)(2)(C) of the Federal Insecticide, Fungicide, and Rodenticide Act, as amended. Reregistration under this section does not eliminate the need for continual reassessment of pesticides. EPA may require submission of data at any time to maintain the registration of your product.

Make the following labeling changes before you release the product for shipment:

1. The Child Resistant Packaging is Required.
2. Include the word "Poison" and the skull and crossbones symbol immediately below the signal word "DANGER" on the front panel of the label.

4. Signature of Approving Official:  
  
Robert S. Brennis, PM 32

Date:

3. Revise the "Precautionary Statement" to read:

Fatal if inhaled. Corrosive. Causes irreversible eye damage or skin burns. May be fatal if swallowed. Do not get in eyes, on skin or on clothing. Do not breathe dust. Wear goggles or face shield. For handling activities, use dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C). Wear protective clothing and rubber gloves. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco. Remove contaminated clothing and wash clothing before reuse.

4. Revise the "Statement of Practical Treatment" to read:

If Swallowed: Call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. If person is unconscious, do not give anything by mouth and do not induce vomiting.

If on Skin: Wash with plenty of soap and water. Get medical attention.

If Inhaled: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.

If in Eyes: Hold eyelids open and flush with steady, gentle stream of water for 15 minutes. Get medical attention.

5. The proposed label should contain a "Note to Physicians". Some suggested types of information include the following:

- technical information on symptomatology;
- use of supportive treatments to maintain life functions;
- medicine that will counteract the specific physiological effects of the pesticide;
- company telephone number to specific medical personnel who can provide specialized medical advice.

Probable mucosal damage may contraindicate the use of gastric lavage.

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6. Revise the "Environmental Hazards" statement to read:

This pesticide is toxic to fish and aquatic organisms. "Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or public 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 sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA".

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

Sincerely,



Robert S. Brennis  
Product Manager 32  
Regulatory Management Branch II  
Antimicrobials Division (7504C)

# haviland

  

## lithium hypochlorite

A Chlorinating Sanitizer For  
Modern Swim Pool Care

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

MAY 14 1998

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

57787-14

ACTIVE INGREDIENT,  
lithium hypochlorite

29%

INERT INGREDIENTS

71%

TOTAL

100%

\*Contains 35% available chlorine

### DANGER:

Keep Out of Reach of Children  
See Other Precautions and First Aid on Back Panel

**NET WT. 50 lbs.**

#### Directions for Use:

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

#### To Maintain Proper Chlorine Residual

For optimum results, the pH of the swimming pool water should be maintained between 7.2 and 7.6. A Chlorine stabilizer (cyanuric acid) should also be used to prevent extreme fluctuations in the chlorine level. To satisfy the chlorine demand of the water, use repeated dosages of this product of 1/3 cup (2.7 oz. by wt) for each 5,000 gallons of water as necessary. One ounce of product by weight per 5,000 gallons of water will apply approximately 0.5 ppm available chlorine residual. To maintain a desired level of 1.0 to 1.5 ppm of chlorine residual, add 1/3 cup of product for each 5,000 gallons of water daily or as needed. Once every 10 days or two weeks the pool water should be shocked with chlorine to prevent the development of resistant species of algae. Use a test kit for chlorine and pH control.

#### Shock Treatment

Utilizing your test kit, adjust pH of pool water to 7.2-7.6. Use 1 pound of product (approx. 2 cups) for each 10,000 gallons of water in the evening when the pool will not be used for a minimum of 12 hours. Test the chlorine residual and if above 2.0 ppm do not allow swimming until residual has decreased.

#### Storage and Disposal

Keep product dry in tightly closed container when not in use. Store in a cool dry, well ventilated area away from heat or open flame. In case of decomposition isolate container, if possible, and flood with large amounts of water to dissolve all material before discarding. Do not contaminate water, food or feed by storage or disposal. For container disposal: triple rinse (or equivalent), then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

#### Physical and Chemical Hazards

**STRONG OXIDIZING AGENT:** Strong Oxidizing Agent. Mix only with water. Use clean dry utensils. Do not add this product to any dispensing device containing remnants of any other product. Such use may cause a violent reaction leading to fire or explosion. Contamination with moisture, organic matter, or other chemicals may start a chemical reaction, with generation of heat, liberation of hazardous gases, and possible generation of fire and explosion. In case of contamination or decomposition do not reseal container. If possible isolate container in open air or well ventilated area. Flood with large volumes of water, if necessary.

#### PRACTICAL TREATMENT (FIRST AID)

If swallowed: Feed bread soaked in milk followed by olive oil or cooking oil. Call a physician immediately.

If on skin: Brush off excess chemical and flush skin with cold water for at least 15 minutes. If irritation persists, get medical attention.

If in eyes: Flush with cold water for at least 15 minutes. Get medical attention.

#### ENVIRONMENTAL HAZARDS:

This product is toxic to fish. Do not discharge into lakes, streams, ponds, or public waters unless in accordance with an NPDES Permit. For guidance contact the regional office of EPA.

#### Precautionary Statements

Danger: Highly corrosive. Causes skin and eye damage. May be fatal if swallowed. Do not get in eyes, on skin or on clothing. Wear goggles or face shield and rubber gloves when handling. Irritating to nose and throat. Avoid breathing dust. Remove and wash contaminated clothing before reuse.

Haviland Consumer Products, Inc.  
Grand Rapids, MI 49504

EPA Reg. No. 57787-14  
EPA Est. No. 57787-MI-001

1/20/98