

**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**

WASHINGTON, D.C. 20460

DEC 10 2003

OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

Richard Westman
Haviland Consumer Products, Inc.
421 Ann Street N.W.
Grand Rapids, MI. 49504-2075

SUBJECT: September 3, 2003 letter
Liquichlor Bleach
EPA Registration 57787-4

Dear Mr. Westman:

The application referred to above, submitted in connection with registration under Section 3(c)(7)(A) of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is acceptable with the following conditions:

1. You must amend the Environmental Hazards statement by removing the NPDES statement from any container less than 5 gallons.
2. You must revise the order of the First Aid Statements to the following order: Eyes, Skin, Inhaled, Swallowed based on the Sodium and Calcium Hypochlorite Registration Standard.
3. Line up the Inert Ingredients percentage with the Active Ingredient.
4. Amend the Disposal statement to read: Do not reuse empty container but place in trash collection. Do not contaminate food or feed by storage or disposal, or cleaning of equipment.
5. Under For Pool Maintenance revise the first sentence to read: (A) Adjust pool water pH to 7.2 to 7.6. Adjust and maintain the alkalinity of the pool between 50 to 100 ppm.

A copy of your conditionally approved stamped label is enclosed. Please resubmit a revised finished label for our files. If you have any questions regarding this letter, please contact Tom Luminello of my staff at (703) 308-8075.

Sincerely yours,


Robert S. Brennis

Product Manager (32)

Regulatory Management Branch II

Antimicrobial Division (7510-C)

Enclosed

ACCEPTED
with COMMENTS
in EPA letter dated

DEC 10 2003

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS 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 product. Wash after handling. Avoid breathing vapors. Vacate poorly ventilated areas as soon as possible. Do not return until strong odors have dissipated.

PHYSICAL OR CHEMICAL HAZARDS

STRONG OXIDIZING AGENT: Mix only with water according to directions. Mixing with chemicals (e.g. ammonia, acids, detergents, etc.) or organic matter (e.g. urine, feces, etc.) will release chlorine gas that 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 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.~~

EMERGENCY NUMBER: CHEMTREC 1 (800) 424-9300

Not required for small containers

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LIQUICHLOR BLEACH

ACTIVE INGREDIENT:
Sodium Hypochlorite10%
INERT INGREDIENTS90%

KEEP OUT OF REACH OF CHILDREN

DANGER



57787-4

FIRST AID

IF SWALLOWED: Call a poison control center or doctor immediately for treatment advice. Chemtrec 1-800-424-9300. 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 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. Chemtrec 1-800-424-9300.

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. Chemtrec 1-800-424-9300.

IF IN EYES: Hold eye open and flush slowly and gently with water for 15 - 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue flushing eye. Call a poison control center or doctor for treatment advice. Chemtrec 1-800-424-9300.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

(See additional precautions on side panels)

NET CONTENTS 1 GALLON (3.785L)

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

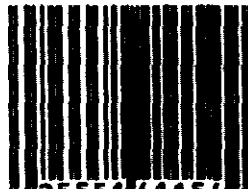
STORAGE AND DISPOSAL

STORAGE: Store product in cool dry area, away from 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.

DISPOSAL: Do not reuse empty container. *but place in trash collection. Do not contaminate food by storage or disposal, or cleaning of*
Disposal instructions: Call your local solid waste agency or 1-800-CLEANUP (253-2687) for proper disposal of empty containers and unused product.

HAVILAND® CONSUMER PRODUCTS, INC.
GRAND RAPIDS, MI 49504

EPA Reg. No. 57787-4
EPA Est. No. 55852-IL-001



HYPOCHLORITE SOLUTION

DIRECTIONS FOR USE

IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT IN A MANNER INCONSISTENT WITH ITS LABELING.

DIRECTION FOR SWIMMING POOL CHLORINATION

FOR A NEW POOL OR FOR SPRING START-UP:

Initially, the pool should be treated with repeated dosages of 1 qt. of Liquechlor Bleach for each 10,000 gallons of water to yield 5 to 10 ppm available chlorine by weight. One (1) qt. of Liquechlor Bleach in 10,000 gallons of water will apply approximately 2.5 ppm available chlorine. When a chlorine residual of 0.6 to 1.0 ppm is obtained, add 1/2 to 1 pint of Liquechlor Bleach per 10,000 gallons of water daily, or as needed to maintain 0.6 to 1.0 ppm chlorine residual, as determined by the use of a chlorine test kit.

FOR POOL MAINTENANCE:

(A) Adjust pool water pH to ~~7.6-7.2 range and maintain~~ *7.2 to 7.6. Adjust and maintain the Alkalinity of the pool between 50 to 100 ppm.*
(B) Once every two weeks a shock dose of 5.0 ppm of chlorine (2 qts. of Liquechlor Bleach per 10,000 gallons of water) should be made to prevent development of resistant species of algae. Liquechlor Bleach should be introduced into the pool by sprinkling or added where the filtered water returns to the pool. This will insure even distribution of the chlorine. Check the level of available chlorine with a test kit. Do not reenter pool until the chlorine residual is between 1.0 to 3.0 ppm.

DANGER:

This container is fitted with a vented cap. Contents may leak if tilted or tipped over. Store and transport in upright position.

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Adjust and maintain the Alkalinity of the pool between 50 to 100 ppm.

equipment.

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