

US ENVIRONMENTAL PROTECTION AGENCY OFFICE OF PESTICIDES PROGRAMS REGISTRATION DIVISION (75-767) WASHINGTON, DC 20460	EPA REGISTRATION NO. 54614-8	DATE OF ISSUANCE MAY 9 1996
	TERM OF ISSUANCE Conditional	
	NAME OF PESTICIDE PRODUCT Lithchlor	

NOTICE OF PESTICIDE: REGISTRATION
 REREGISTRATION
 (Under the Federal Insecticide, Fungicide,
 and Rodenticide Act, as amended)

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

Purity Biochemical
 13408 76th Avenue
 Surrey, British Columbia
 V3W 7A9, Canada

NOTE: Changes in labeling formula 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 U.S. 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.

A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.

Registration is in no way to be construed as an indorsement or approval of this product by this 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.

This product is conditionally registered in accordance with FIFRA section 3(c) (7) (A) provided that you:

1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA section 3(c) (5) and section 4 when the Agency requires all registrants of similar product to submit such data.
2. Make the labeling changes listed below before you release the product for shipment:
 - a. Add the phrase "EPA Registration No. "54614-8" and delete "54614-nya".
 - b. Change "Net Wt." to "Net Contents".
 - c. In the Ingredient statement align the decimal points so that the percentages add up to 100%.

Active Ingredient(s)
 Name of the ingredient %
 Inert Ingredients %
 TOTAL 100%

- d. Delete "CAS No. 13840-33-0" under the Active Ingredients Statement.

ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL

DATE

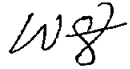
2 7 5

3. Submit five (5) copies of your final printed labeling before you release the product for shipment. Refer to the A-79 enclosure for a further description of final printed labeling.

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

A stamped copy of the label is enclosed for your records.

Sincerely yours,



Walter C. Francis
Acting Product Manager (32)
Antimicrobial Program Branch
Registration Division (7505C)

LITHCHLOR

Active Ingredients:

Lithium Hypochlorite.....	29%
CAS No. 13840-33-0	
Inert Ingredients.....	71%
Total.....	100%

Contains 35% available chlorine

EPA Reg. No. 54614-nya
EPA Estab. No.

KEEP OUT OF REACH OF CHILDREN

DANGER

Net Wt.

Purity Biochemical
13408 76th Avenue
Surrey, British Columbia
V3W 7A9

ACCEPTED
with COMMENTS
in EPA Letter Dated:

MAY 9 1996

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

54614-8

STATEMENT OF PRACTICAL TREATMENT

If swallowed: Drink two glasses of water and see a physician immediately. Do not induce vomiting.

If on skin: Wash skin thoroughly with cold water for at least 15 minutes. If irritation persists, see a physician.

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

PRECAUTIONARY STATEMENTS

Hazard to Humans and Domestic Animals

Highly corrosive. May cause 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.

Environmental Hazards

This product is toxic to fish. Do not discharge effluent containing this product into lakes, ponds, streams, 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.

4 7 5

Physical and Chemical Hazards

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.

DIRECTIONS FOR USE

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

POOL WATER CARE

HOW TO USE LITHCHLOR:

To start your pool: 1. Backwash filter. 2. Utilizing your pool test kit adjust pH of pool water to 7.2-7.6. Add soda ash or sodium bicarbonate to correct an acid condition (less than 7.2). Add sodium bisulfate if the pH is greater than 7.6. Maintain pH range of 7.2-7.6 for a minimum of six hours before the addition of Lithchlor and during the entire season. 3. Use two cups of Lithchlor per 5,000 gallons of water.

After the proper pH range (7.2-7.6) and chlorine residuals (1.0-1.5) have been established, it is beneficial to add a chlorine stabilizer (cyanuric acid) to the pool to prevent extreme fluctuations in the chlorine level. Cyanuric acid is available at most pool dealers and should be added in accordance to the instruction on the package for maximum stabilization of the pool water.

HOW TO MAINTAIN THE PROPER CHLORINE RESIDUAL:

The chlorine residual should be maintained between 1.0 and 1.5 ppm available chlorine as determined by the chlorine test kit. Under normal conditions, this residual can be maintained by the daily addition of about 1/3 cup (2.7 ounces) of Lithchlor for each 5,000 gallons of pool water if the pool water is properly stabilized with 3.0-5.0 ppm of cyanuric acid pool stabilizer. Severe conditions, such as high temperature or continued use by many people, will require higher daily dosage, whereas smaller doses may suffice in spring and fall or when the pool is not being subjected to normal bathing loads.

The pool water should be super-chlorinated about once each week. Five times the normal daily addition, or a minimum of one cup (eight ounces) per 5,000 gallons of pool water should be added 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.

SPA WATER CARE: Effective use of all spa sanitizers depends on maintaining proper water valance. The following ranges are highly recommended:

- pH: 7.4-7.8
- Total Alkalinity: 125-150 ppm
- Calcium Hardness: 200-300 ppm
- Residual Available Chlorine: 2.0-3.0 ppm
- Cyanuric Acid (Indoors): 0 ppm; (Outdoors) 30 ppm

DIRECTIONS: Use one-quarter ounce of Lithchlor per 250 gallons of water as an initial treatment. Repeat the procedure until a residual of 2.0 to 3.0 ppm is established. Frequent testing to determine additional doses needed to maintain the proper residual is highly recommended. Use a reliable test kit with fresh solutions for pH and chlorine testing.

If a need for superchlorination arises; use one-half ounce of Lithchlor per 250 gallons of water. Bathers should not enter the spa until the available chlorine residual falls to 3.0 ppm.

Before using the spa, shower in order to avoid adding soap, lotions, or oils from the body into the water. Do not add food or beverages to the water. Avoid overloading the spa.

If the spa is used daily, it should be drained completely and fresh filled about once a month.

STORAGE and DISPOSAL

Do not contaminate water, food, or feed by storage and disposal.

STORAGE: Store in a cool dry place. Do not transfer into unlabeled containers. Close container tightly after each use. Protect from moisture and heat.

DISPOSAL: Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment. Then dispose of liner in a sanitary landfill or by incineration if allowed by State and local authorities. If drum is not to be reused or is contaminated and cannot be reused, dispose of in the same manner.

