



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

EPA Reg. Number:

59818-1

Date of Issuance:

MAR 16 2000

NOTICE OF PESTICIDE:

- Registration
- Reregistration

(under FIFRA, as amended)

Term of Issuance: **Conditional**

Name of Pesticide Product:

**Chlorine Liquefied Gas  
Under Pressure**

Name and Address of Registrant (include ZIP Code):

**Thunderbird Pool Service, Inc.  
10803 Brooklet  
Houston, TX 77099**

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.

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

1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.
2. Make the following label changes:
  - a. Revise the EPA Registration Number to read, "EPA Reg. No. 59818-1"

See page 2

Signature of Approving Official:

Date:

MAR 16 2000

- b. Revise the Precautionary Statement under "Hazards to Human and Domestic Animals" to read: **DANGER:** Fatal if inhaled or absorbed through the skin. Corrosive. Causes **irreversible** eye damage and skin burns. Do not breathe vapors or get in eyes, on skin or clothing. Wear goggles, protective clothing and rubber gloves as discussed below. Wash hands thoroughly with soap and water after handling and before eating, drinking or using tobacco. Remove and wash contaminated clothing before reuse. Prolonged frequently repeated skin contact may cause allergic reactions in some individuals.
- c. Revise directions under the "Personal Protective Equipment" heading to read: *Applicators and other handlers must wear long-sleeved shirts, long pants, shoes and socks.*
- d. Under the "Specific Directions for Use" section for pool entry revise the statement to read:

Do not use pool for one hour after application of this product or until the free active chlorine residual has dropped to 3 ppm as determined by a test kit. Pool owners must be made aware of the requirement not to enter the pool until the free active chlorine drops to 3 ppm. Trained personnel must instruct pool owners on how to use a test kit for this purpose.

3. Submit two copies of the revised final printed label for the record.

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.

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



Best copy Available

3 7 4

# CHLORINE

## LIQUIFIED GAS UNDER PRESSURE

For use as a disinfectant and algicide in the treatment of swimming pool water

ACTIVE INGREDIENT CHLORINE 99.5%  
INERT INGREDIENT 0.5%

KEEP OUT OF REACH OF CHILDREN



FATAL IF INHALED  
LIQUID MAY CAUSE SEVERE BURNS

EPA Reg No 5118 [redacted] EPA Est No 059818TX001

Thunderbird Pool Service, Incorporated  
10803 Brooklet Street, Houston, TX 77099

NET CONTENTS 20 POUNDS

### PRECAUTIONARY STATEMENTS

#### FIRST AID

**IF INHALED:** Remove victim to air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.

**IF IN EYES:** Hold eyelids open and flush with a steady, gentle stream of water for 15 minutes. Get medical attention.

**IF ON SKIN:** Wash with plenty of soap and water while removing contaminated clothing and shoes. Get medical attention.

#### HAZARDS TO HUMAN AND DOMESTIC ANIMALS:

**DANGER.** fatal if inhaled or absorbed through the skin. Corrosive. Causes eye damage and skin burns. Do not breathe vapors or get in eyes, on skin or clothing. Wear goggles, protective clothing and rubber gloves as discussed below. Wash hands thoroughly with soap and water after handling and before eating drinking or using tobacco. Remove contaminated clothing and wash clothing before reuse. Prolonged frequently repeated skin contact may cause allergic reactions in some individuals.

#### PERSONAL PROTECTIVE EQUIPMENT

Applicators and other handlers must wear long-sleeved shirts.

#### IN CASE OF LEAKAGE

Under normal use-conditions, no protective eye wear, respirator, or gloves are required. However, in case of a leak, handlers should wear chemical-resistant gloves (such as any waterproof material) and a full-face canister style (gas-mask) respirator with a canister approved for chlorine (MSHA/NIOSH approved number prefix TC-14G). Since there is always the possibility of a leak, gloves and a respirator of a type specified above must be available. Gloves and respirator are required for anyone entering into an affected area in the event of a leak.

#### ENVIRONMENTAL HAZARDS

This pesticide is toxic or highly toxic to fish and aquatic invertebrates. 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 without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

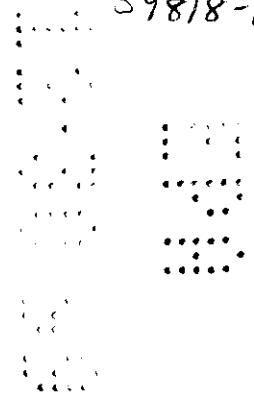
SEE BACK OF PANEL FOR ADDITIONAL PRECAUTIONS

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

MAR 16 2000

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

59818-1



**PHYSICAL AND CHEMICAL HAZARDS**

Chlorine is a nonflammable gas, liquified under pressure. Do not drop container. Do not heat container. Keep away from intense heat. Corrosive to most metals in the presence of moisture.

**GENERAL DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Refer to Chlorine Institute publications for instructions on the required product use and safety procedures. Before using this product, handlers must be trained how to appropriately use respirators that conform to OSHA requirements (described in 29 CFR Part 1910.134) and how to appropriately handle and use chlorine in residential swimming pool applications. This product, including dispensing equipment, must be handled and used in accordance with the practices specified by all applicable product labeling. Use only in well ventilated areas.

**SPECIFIC DIRECTIONS FOR USE**

This product is an efficient source of chlorine for routine sanitation or for periodic superchlorination of swimming pools. When used regularly as part of a complete maintenance program, it will help prevent the growth of harmful algae and micro organisms

This product is to be added by trained personnel only, familiar with specific application and water balancing procedures associated with this product. Sunlight, rainfall, temperature, filter efficiency, number of swimmers and frequency of pool use affect the amount of chlorine loss. The frequency of treatment required for maintenance of the desired concentration of chlorine is dependent upon the above conditions and the concentration should be checked frequently with a test kit.

This product is to be dispensed into the water through the process of diffusion using a chlorine disperser or injection system. Always adjust pH between 7.8 and 8.2 after application of this product. Total alkalinity levels should be maintained between 80 ppm and 140 ppm with 100 ppm to 120 ppm considered ideal in most cases. Maintain cyanuric acid level between 50 ppm and 100 ppm. Do not use pool for one hour after application of this product or until the free active chlorine residual has dropped to 5.0 ppm as determined by a test kit. For newly filled pools, adjust and maintain the same levels as above.

**STORAGE**

Store cylinders and ton containers in a dry area away from sources of heat and protected from direct sunlight and precipitation. Do not store in excessive heat. Segregate chlorine containers from other compressed gases, and never store near hydrocarbons, finely divided metals such as filings or granules, turpentine, ether, anhydrous ammonia, or other flammable materials. All storage containers and cylinders must have a weather resistant label and must not be accessible to the general public. Do not drop container. If container is damaged or leaking, refer to procedures found in the Chlorine Institute publications or notify your supplier immediately. Do not contaminate water, food, or feed by storage or disposal. Pesticide wastes are acutely hazardous.

**LEAK PROCEDURES**

Make daily inspections for leaks. Stop a leak at once, since it will become worse with time. In case of a leak, evacuate everyone from the immediate area. For entry into the affected area to correct problem, wear personal protective equipment (including prescribed respirators) specified in the Hazards to Humans section of this labeling. When possible, move leaking or damaged cylinders outdoors or to an isolated location. Observe strict safety precautions. Work upwind, if possible. Allow any liquid chlorine to evaporate. Only trained and PPE-equipped handlers are permitted to perform such cleanup. Do not permit entry into the leak area by any other person until the chlorine has completely dispersed.

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