

57604-2

12-12-2002

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U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Antimicrobials Division (7510C)
1200 Pennsylvania Avenue, NW
Washington, D.C. 20460

EPA Reg. Number:

Date of Issuance:

57604-2

DEC 12 2002

Term of Issuance:

Conditional

Name of Pesticide Product:

Chlorine Liquified Gas

NOTICE OF PESTICIDE:

Reregistration
 Registration

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Pool-Chem Inc.
3646 S. 36th Street
Phoenix, AZ 85040

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. 57604-2."
 - b. Remove the incomplete sentence "how to use a test kit for this product."
 - c. Remove the statement "This 4PPM level of chlorine is being allowed based on our present determination that this is the highest level that had been demonstrated to be safe."

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Signature of Approving Official:

Date:

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- d. Add the degradation language: 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.
- e. Move the following reentry language above the pH levels:

Do not use pool after application of this product until the free active chlorine residual has dropped to 4 PPM as determined by a test kit. Pool owners must be made aware of the requirements not to enter the pool until the free active chlorine drops to 4 PPM. Trained personnel must instruct owners on how to use a test kit for this purpose.

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.

A handwritten signature in black ink, appearing to be 'RMB', is located at the bottom right of the page.

CHLORINE GAS
(Liquefied Gas under Pressure)

ACCEPTED
with COMMENTS
EPA Letter Dated:

NON FLAMMABLE

DEC 12 2002

ACTIVE INGREDIENTS:
CHLORINE.....99.5%
INERT INGREDIENTS.....0.5%

Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
amended, for the pesticide,
registered under EPA Reg. No. 57604-2

KEEP OUT OF REACH OF CHILDREN

DANGER  **POISON**

First Aid

IF INHALED
— Move person to fresh air
— If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth to mouth, if possible.
— Call a poison control center or doctor for further treatment advice.

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.

IF IN EYES
— Hold eye open and rise slowly and gently with water for 15-20 minutes
— Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eyes.
— Call a poison control center or doctor for treatment advice.

IF SWALLOWED
— Call a poison control center or doctor immediately for treatment advice.
— Do not induce vomiting unless told to do so by the poison control center or doctor.
— Do not give anything by mouth to an unconscious person.

HAVE THIS PRODUCT CONTAINER OR LABEL WITH YOU WHEN CALLING A POISON CONTROL CENTER OR DOCTOR, OR GOING FOR TREATMENT
POISON CONTROL -1-800-362-0101
CHEM TREC-1-800-424-9300

PRECAUTIONARY STATEMENTS

HAZARD TO HUMAN AND DOMESTIC ANIMALS. FATAL IF INHALED, LIQUID CAUSES SEVERE BURNS

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. Wash hands thoroughly with soap and water after handling and before eating, drinking or using tobacco. Remove contaminated clothing and wash clothing before re-use. Prolonged frequently repeated skin contact may cause allergic reactions in some individuals.

Personal Protective Equipment

Applicators and other handlers must wear long sleeved shirts, long pants, shoes and socks.

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In Case of Leakage

Under normal use conditions, no protective eyewear, respirator or gloves are required. However, in case of a leak handlers must wear chemical resistant gloves and a full face canister style (gas mask) respirator with a canister approved for chlorine (MSHA/NOISH 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 requirement 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. See back panel for additional precautions.

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EPA Letter Dated:

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Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
amended, for the pesticide,
registered under EPA Reg. No. 59604-2

EPA Reg. No. _____

EPA Est. No. _____

Pool-Chem, Inc.
3646 S. 36th St.
Phoenix, AZ 85040

Net Weight 20 Pounds

GENERAL DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Refer to the Chlorine Manual published by the Chlorine Institute Inst., New York 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 20CFR Part 1910.134) and how to appropriately handle and use chlorine. This product, including dispensing equipment, must be handled and used in accordance with the practices specified by all applicable product labeling and the Chlorine Institute Manual. Use only in well ventilated areas. Do not drop containers.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal. Keep containers away from heat. Do not store in direct sunlight. Containers must not be stored where they will be exposed to temperatures warmer than 54.5°C (130°F).

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions contact your State Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

PHYSICAL AND CHEMICAL HAZARDS

The physical state of this product is compressed gas. Its appearance is of a greenish-yellow gas or a clear, amber colored liquid with a suffocating, pungent, irritating odor. The odor threshold for chlorine is between 0.02 and 0.2 PPM

The presence of moisture in gaseous and liquid chlorine increases corrosive attack on most common metal. Will react with water or steam to produce toxic and corrosive fumes of hydrogen chloride. Chlorine is a powerful oxidizing agent, which reacts violently with a variety of substances over a broad range of

conditions including reducing agents and combustibles materials. It should be kept away from material such as acetylene, turpentine, other hydrocarbons, and ammonia, certain metals, sulfur and aluminum. Chlorine reacts with hydrogen sulfide and water forming hydrochloric acid. It combines with carbon monoxide and sulfur dioxide to form phosgene and sulfuric chloride, which are toxic and corrosive substances. Chlorine does not decompose but reacts violently to form Hydrochloric Acid and other potentially toxic and/or corrosive substances. Chlorine is stable in steel containers at room temperature when dry.

DIRECTIONS FOR USE

Connecting: Use 500 psig copper tubing fitted with special adapter to connect container to piping system. To connect line to container remove valve protection cap and valve outlet cap. Then use wrench to attach tubing to valve with yolk. Use a new gasket supplied with container each time connection is made. Make sure connections are tight. Check for leaks with ammonia vapor. Never use standard pipefitting.
Valve operation: Turn stem one full turn counter clockwise to open valve. Don't use container valve to regulate the chlorine flow. Use of the valve for flow control may wear valve seat so that valve cannot be tightly closed. NEVER FORCE THE VALVE STEM. Hit wrench handle with heel of the hand to loosen a stuck valve stem. NEVER USE A HAMMER OR OTHER IMPLEMENT FOR THIS PURPOSE.
Packing nut may be loosened slightly to relieve tight stem, but retighten promptly to avoid leaks.
Disconnecting: Close valves, test valve for leaks, apply valve outlet cap with gasket and protection hood. Plug or cap the open end of the chlorine line immediately to keep out moisture.

SPECIFIC DIRECTIONS FOR USE

THIS PRODUCT IS TO BE USED SPECIFICALLY AS A DISINFECTANT AND ALGAEICIDE FOR SERVICING SWIMMING POOLS

Why to use this product: This product is an economical and efficient source of chlorine for routine sanitation or for periodic superchlorination of swimming pools. Superchlorination being 7 to 10 times the amount of the combined chlorine content, 7PPM to 10PPM of chlorine in the pool. When used regularly as part to a complete maintenance program it will help prevent the growth of algae.

This product is to be added by trained personnel only, familiar with specific application and water balancing procedures associated with this product.

This product is to be dispensed into the water thorough the process of diffusion, using a chlorine sparger or injection system. Under normal circumstances add one to two pounds of chlorine on a weekly basis.

how to use a test kit for this purpose. This 4PPM level of chlorine is being allowed based on our present determination that this is the highest level that had been demonstrated to be safe.

Always adjust pH between 7.8ppm to 8.2PPM after application of this product. Total alkalinity levels should be maintained at between 80PPM to 140PPM, with 100 PPM to 120 PPM considered ideal in most cases. Maintain cyanuric acid level between 50PPM to 100PPM.

For a newly filled pool superchlorinate as indicated above. Adjust and maintain pool water pH between 7.8 PPM and 8.2PPm. Adjust and maintain the alkalinity of the pool between 80PPM to 140PPM. Adjust cyanuric acid level to 100PPM.

Do not use pool for one hour after application of this product or until the free active chlorine residual has dropped to 4PPM 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 4PPM. Trained personnel must instruct pool owners on how to use a test kit for this purpose. This 4PPM level of chlorine is being allowed based on our present determination that this is the highest level that had been demonstrated to be safe.

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