

7870-2

5/11/2005

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May 11, 2005

Chris W. Gibson  
 Hawkins, Inc.  
 3100 East Hennepin Avenue  
 Minneapolis, MN 55413

Subject: Chlorine  
 EPA Registration No. 7870-2  
 Submission Date: February 2, 2005  
 Receipt Date: February 18, 2005

Dear Mr. Gibson:

The following amendment, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is acceptable with the condition listed below:

**Conditions**

Revise the First Aid Statement categories as follows:

- a. Change Inhalation to "If Inhaled"
- b. Change Skin Irritation to "If On Skin Or Clothing"
- c. Change Ingestion to "If Swallowed"
- d. Change Eye to "If In Eyes"

**General Comments**

A stamped copy of the labeling accepted with conditions is enclosed. Submit a copy of your final printed labeling before distributing or selling the product bearing the revised labeling.

CONCURRENCES							
SYMBOL	7510C						
SURNAME	Mitchell						
DATE	5-11-05						

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Should you have any questions or comments concerning this letter, please contact Wanda Mitchell at (703) 308-6345.

Sincerely,

Emily H. Mitchell  
Product Manager - Team 32  
Regulatory Management Branch  
II Antimicrobials Division  
(7510C)

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UN1017, RQ  
CAS No. 7782-50-5  
**CHLORINE**  
LIQUIFIED GAS UNDER PRESSURE  
NONFLAMMABLE

**FOR USE AS A DISINFECTANT AND ALGAEICIDE** from larger stationary cylinders (1-ton and 150 lb.), by experienced personnel only, in municipal water supplies, sewage and water management plants, and in commercial and industrial swimming pools; and as a slimicide in water cooling systems and in paper mills. This product cannot be transferred to portable cylinders for providing a pesticidal service under this registration number. Pool service operators who service swimming pools with portable cylinders must obtain their own registration with EPA. Repackagers and reformulators must obtain their own registration with EPA.

<b>ACTIVE INGREDIENT:</b>	
Chlorine: .....	99.5%
<b>OTHER INGREDIENTS:</b>	<u>0.5%</u>
Total:	100.0%

**KEEP OUT OF REACH OF CHILDREN**

**DANGER**



("danger, graphic, and "poison" will be printed in RED)

**POISON**

**FATAL IF INHALED  
LIQUID CAUSES SEVERE BURNS.**

EPA REG. NO. 7870-2

EPA EST. NO. 7870-MN-3

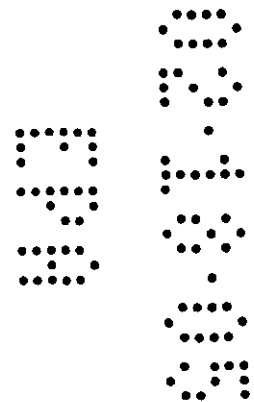
NET WT.:

LBS.

HAWKINS, INC.  
3100 E. HENNEPIN AVE.  
MINNEAPOLIS, MN 55413  
(612) 331-6910

Meets ANSI/AWWA B301

**ACCEPTED**  
with **COMMENTS**  
EPA Letter Dated:  
**MAY 11 2005**



Under the Federal Insecticide,  
Fungicide, and Rodenticide Act as  
amended, for the pesticide,  
registered under EPA Reg. No. **7870-2**

**PRECAUTIONARY STATEMENTS**

ROUTE OF EXPOSURE	FIRST AID
<b>INHALATION</b>	If inhaled, move person to fresh air and get medical attention immediately. If person is not breathing, call 911 or ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. If breathing is difficult, oxygen should be administered by qualified personnel. Call poison control center or medical physician for treatment advice.
<b>SKIN IRRITATION (SKIN OR CLOTHING CONTACT WITH LIQUID CHLORINE)</b>	In case of skin contact, immediately flush skin with plenty of water for at least 30 minutes while removing contaminated clothing and shoes. Get medical attention immediately. Wash clothing before reuse. Destroy contaminated shoes.
<b>SKIN IRRITATION (CONTACT WITH GASEOUS CHLORINE)</b>	In case of skin contact, immediately flush skin with plenty of water for at least 30 minutes while removing contaminated clothing and shoes. Get medical attention immediately. Wash clothing before reuse. Destroy contaminated shoes.
<b>INGESTION</b>	If swallowed, call poison control center or medical physician immediately for treatment advice. Have the product label with you when calling or going for medical treatment. Have exposed person sip a glass of water if able to swallow. <b>DO NOT INDUCE VOMITING</b> unless told to do so by a poison control center or medical physician. <b>DO NOT</b> give anything by mouth to an unconscious person.
<b>EYE</b>	In case of eye contact, immediately flush eyes with plenty of water for at least 30 minutes. Remove contact lenses, if present, after the first 5 minutes then continue rinsing eyes. Get medical attention immediately.
<b>NOTE TO PHYSICIAN</b>	Symptoms may become more severe up to 36 hours after exposure including pulmonary edema. Probable mucosal damage may contraindicate the use of gastric lavage.
<b>HAVE THE PRODUCT CONTAINER OR LABEL WITH YOU WHEN CALLING A POISON CONTROL CENTER OR MEDICAL PHYSICIAN, OR GOING FOR TREATMENT.</b>	

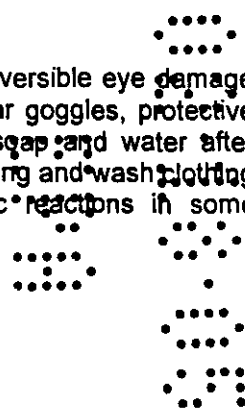
**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**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 contaminated clothing and wash clothing before reuse. Prolonged frequently repeated skin contact may cause allergic reactions in some individuals.

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**PERSONAL PROTECTIVE EQUIPMENT**

Personal protective equipment requirements will vary depending on how the chlorine is being used. Refer to Chlorine Institute Pamphlet # 65 for specific recommendations. Applicators and other handlers must wear long-sleeved shirts, long pants, shoes and socks.

**In Case of Spill or 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 (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 systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

**PHYSICAL & CHEMICAL HAZARDS:**

Chlorine is a non-flammable gas, liquefied, under pressure. Do not drop cylinder. Keep away from intense heat or open sunlight. Corrosive to most metals in the presence of moisture.

**DIRECTIONS FOR USE:  
GENERAL CLASSIFICATION**

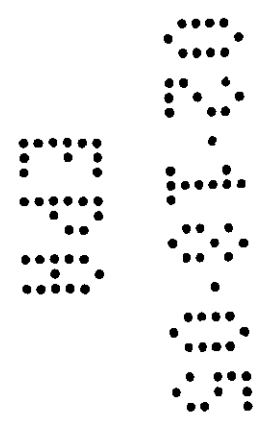
It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Before working with this product, handlers must be trained how to appropriately handle and use chlorine. Use only in well ventilated areas.

Refer to the appropriate Chlorine Institute Pamphlet for instructions on the required product use and safety procedures. NEVER TAMPER WITH FUSIBLE PLUGS OR ATTEMPT TO ALTER OR REPAIR CYLINDERS, TONS OR VALVES. This product, including dispensing equipment, must be handled and used in accordance with the practices specified by all applicable product labeling and the appropriate Chlorine Institute Pamphlet.

To contact the Chlorine Institute, call (703) 741-5760 or visit its website at [www.CL2.com](http://www.CL2.com).

- Chlorine Manual
- Piping Systems
- Chlorine Packaging Plants
- Cargo Tank Handling
- Emergency Response
- Personal Protective Equipment
- Railcar Handling
- Cylinders at Swimming Pools
- Swimming Pool Applicators
- Potable Water Treatment
- Wastewater Treatment

- CI Pamphlet #1
- CI Pamphlet #6
- CI Pamphlet #17
- CI Pamphlet #49
- CI Pamphlet #64
- CI Pamphlet #65
- CI Pamphlet #66
- CI Pamphlet #82
- CI Pamphlet #97
- CI Pamphlet #155
- CI Pamphlet #155



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**STORAGE & DISPOSAL**

**STORAGE:** Cylinders and ton containers of chlorine should be stored in a dry area away from sources of heat and protected from direct sunlight and precipitation. Cylinders must not be stored where they will be exposed to temperatures warmer than 54.5°C (130°F). They should be segregated from other compressed gases and never stored near hydrocarbons, finely divided metals, turpentine, ether, anhydrous ammonia or other flammable materials. All storage containers must have a weather resistant label and must not be accessible to the general public.

**DISPOSAL OF CONTAINER:** All chlorine containers are returnable and should be properly identified with return tags and returned as promptly as possible to the supplier according to prescribed instructions and practices recommended by the Chlorine Institute. All valves must be closed tight and closures or caps secured. It is illegal to ship a leaking chlorine cylinder.

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.

Do not contaminate food or animal feed by storage or disposal.

**DO NOT STORE IN DIRECT SUNLIGHT  
DO NOT DROP CYLINDER**

Empty Packages Contain Dangerous Chlorine Gas Residue  
Always Return Empty Cylinder with Valve Protective Hood.

**CHLORINE, 2.3 (8), UN1017, POISON-INHALATION HAZARD ZONE B, RQ**

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