

December 15, 2003

George Dychdala  
ERCO Worldwide  
P.O. Box 1586  
Saskatoon, Saskatchewan  
Canada S7K 3R3

Subject: Chlorine  
EPA Registration No. 50956-6  
Application Date: September 24, 2003  
Receipt Date: September 26, 2003

Dear Mr. Dychdala:

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

**Conditions**

- 1. Revise the Ingredient statement as follows:

Active Ingredient:	
Chlorine .....	99.5%
Other Ingredients .....	0.5%
Total .....	100.0%

- 2. The last sentence of "Personal Protective Equipment" must read "Since there is always the possibility of a spill or leak, gloves and a respirator of the type specified above must be available and are required for anyone entering into an affected area in the event of a leak or spill."

CONCURRENCES

SYMBOL	7510C						
SURNAME	Mitchell						
DATE	12-15-03						

**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.*

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

*Sincerely,*



*Robert S. Brennis  
Product Manager - Team 32  
Regulatory Management Branch II  
Antimicrobials Division (7510C)*

Front Panel

# CHLORINE

**LIQUIFIED GAS UNDER PRESSURE**  
For Manufacturing Use Only

ACTIVE INGREDIENT: Chlorine ..... 99.5%  
INERT INGREDIENTS: ..... 0.5%  
TOTAL ..... 100.0%

**KEEP OUT OF REACH OF CHILDREN**



**DANGER  
POISON**



**FATAL IF INHALED  
LIQUID CAUSES SEVERE BURNS**

EPA Reg. No. 50956-6

EPA Est. No. 50956-CN-01

Manufactured by:  
**ERCO Worldwide**  
PO Box 1586, Wanuskewin Rd.  
Saskatoon, Saskatchewan  
CANADA S7K 3R3

**NET CONTENTS: 90 Ton Rail Car**

## PRECAUTIONARY STATEMENTS

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

**IF ON SKIN OR CLOTHING:** Remove contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call poison control center or doctor for treatment advice.

**IF SWALLOWED:** Call poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor.

**IN THE EVENT OF A MEDICAL EMERGENCY CALL 1-877-800-5553**

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-424-9300 for emergency medical treatment information.

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

*See back panel for additional precautions.*

### HAZARDS TO HUMANS & DOMESTIC ANIMALS

**DANGER:** Fatal if inhaled or absorbed through 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 or frequently repeated skin contact may cause allergic reactions in some individuals.

### PERSONAL PROTECTIVE EQUIPMENT

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 spill or leak, handlers must wear chemical-resistant gloves (such as nitrile or butyl) and a full-face canister-style (gas mask) respirator with a canister approved for chlorine (MSHA/NIOSH approval number prefix TC-14G) OR a self-contained breathing apparatus (SCBA) (MSHA/NIOSH approval number prefix TC-13F). Since there is always the possibility of a spill or leak, gloves and a respirator of the type specified above must be available and are required for anyone entering into an affected area in the event of a spill.

ACCEPTED  
with COMMENTS  
EPA Letter Dated:

DEC 15 2003

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act as  
amended, for the pesticide,  
registered under EPA Reg. No. 50956-6

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## 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 sewer 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 container. Keep away from intense heat or open sunlight. Corrosive to most metals in the presence of moisture.

## DIRECTIONS FOR USE

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

Only specifically designed dispensing equipment should be used in accordance with manufacturer's instructions and according to state regulatory agency recommendations for dosages or residual chlorine levels which should be maintained for each specific site of application.

Have available gas masks approved for chlorine service by the U.S. Bureau of Mines or the National Institute for Occupational Safety and Health. Handle and use only in accordance with practice recommended in the CHLORINE MANUAL published by the Chlorine Institute, Inc., Arlington, VA. Use only in well ventilated areas.

For use by trained personnel from large stationary containers such as tank cars, tank trucks, 1-ton and 150-pound cylinders as a disinfectant, algicide, and/or slimecide in municipal water treatment plants, sewage plants, industrial/commercial cooling systems, paper mills, and/or industrial/commercial swimming pools. This product cannot be transferred to portable cylinders and used under the registration number. Pool service operators who service swimming pools with portable cylinders must obtain their own registration with the EPA. Servicing swimming pools from portable cylinders requires a separate registration.

For further information see Chlorine Institute's Product Safety Information Sheet on CHLORINE.

## STORAGE & DISPOSAL

### 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 gasses, and never store near hydrocarbons, finely divided metals, 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 in the CHLORINE MANUAL published by the Chlorine Institute, Inc., Arlington, VA, and/or notify supplier immediately. Do not contaminate water, food, or feed by storage or disposal. Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law.

### LEAK PROCEDURES

Make daily inspections for leaks. Stop 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 Hazard 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 correctly trained and Personal Protective Equipment (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.

### DISPOSAL OF CONTAINER

Container is returnable and must be properly identified with return tag and returned as promptly as possible to supplier according to prescribed instructions and practices in the CHLORINE MANUAL published by the Chlorine Institute, Inc., Arlington, VA. All valves must be closed tight and closures or caps secured. It is illegal to ship a leaking chlorine container.

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