

FEB - 1 2001

Karl Moll  
Pioneer Americas, Inc.  
2185 W. California Blvd.  
Suite 500  
Walnut Creek, CA 94596

Subject: Chlorine Gas (Liquefied Gas Under Pressure)  
EPA Registration No. 61667-1  
Submission Dated November 6, 2000

Dear Mr. Moll:

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended to update the First Aid statement in accordance with PR Notice 2000-3, is acceptable subject to the comments listed below.

Labeling Revisions

1. The last line of "In Case of Leakage" section under the Precautionary Heading should end with "... required for anyone entering into an affected area in the event of a leak or spill.
2. The "It is a violation of federal law to use this product in a manner inconsistent with its labeling" must be expanded in accordance with the Chlorine Gas RED to read:

"It is a violation of federal law to use this product in a manner inconsistent with its labeling. Refer to [state the name of the Manual being used] for instructions on the required product use and safety procedures. Before working with 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. This product, including dispensing equipment, must be handled and used in accordance with practices specified by all applicable product labeling and the [State the name of the manual being used]." Use only in well ventilated areas.

CONCURRENCES

SYMBOL	7510C							
SURNAME	Mitchell							
DATE	2-1-01							

*A stamped copy of your labeling is enclosed for your records. One copy of the finished labeling must be submitted prior to releasing the product for shipment.*

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

*Sincerely,*

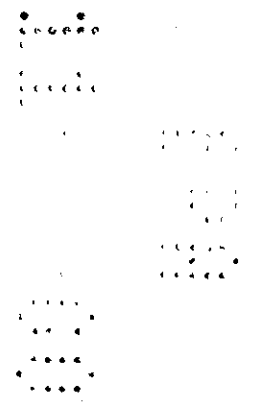


*Robert S. Brennis  
Product Manager 32  
Regulatory Management Branch II  
Antimicrobials Division (751 0C)*

# CHLORINE GAS (Liquefied Gas Under Pressure)

For use as a disinfectant and/or algaecide by experienced personnel only. In municipal water supplies, sewage and waste management plants, and commercial and industrial swimming pools; as a slimicide in water cooling systems and paper mills; and in repackaging into portable cylinders. Repackagers must obtain their own registration with the Environmental Protection Agency.

ACTIVE INGREDIENT - Chlorine	99.5%
INERT INGREDIENTS	0.5%
<b>TOTAL</b>	<b>100.0%</b>



ACCEPTED  
with COMMENTS  
in 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. 61667-1

**MASTER LABEL**

# KEEP OUT OF REACH OF CHILDREN



## DANGER POISON

### FATAL IF INHALED

### LIQUID CAUSES SEVERE BURNS

FIRST AID	
<b>If Inhaled</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>
<b>If in eyes</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15 – 20 minutes.</li> <li>• Remove contact lenses, if present, after the first five minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If on skin or clothing</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15 – 20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
HOT LINE NUMBER	
Have the product container or label with you when you call a poison control center or doctor, or when going for treatment.	
NOTE TO PHYSICIAN	

See other precautions on this label.

Pioneer Americas, Inc.  
Houston, Texas 77002

EPA REG. NO 61667-1  
EPA EST. NO. 61667-CA-1, CA-2, LA-1, NV-1, WA-1, WA-2  
71207-CAN-1, CAN-2, CAN-3

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NET CONTENTS XXXX lbs.

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## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND 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** - Applicators and other handlers must wear long-sleeved shirts, long pants, shoes, and socks.

**IN CASE OF 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-13F). Since there is always the possibility of a spill or leak, gloves and a respirator of a type specified above must be available and are required for anyone entering into an affected area in the event of a leak or spill.

### 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 AND CHEMICAL HAZARDS

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

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extra 2

### 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 dosage 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., New York. Use only in well ventilated areas.

For further information see the Pioneer Product Safety Information Sheet for chlorine.

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## STORAGE AND 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. 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 a leak at once, since it will become worse with time.

In case of 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 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. All valves must be closed tight and closures or caps secured. It is illegal to ship a leaking chlorine container.

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