

2686-3

8/3/2005

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August 3, 2005

Mary Bluemner  
Hydrite Chemical Co.  
300 N. Patrick Blvd. #0948  
Brookfield, WI 53008

Subject: Chlorine  
EPA Registration No. 2686-3  
Submission Dated: May 23, 2005  
Receipt Date: June 1, 2005

Dear Ms. Bluemner:

The following amendment submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, is accepted with a condition.

- Revised labels per PR Notice 2001-1

**Condition**

Revise the Hazards To Humans And Domestic Animals as follows:

**Danger:** Fatal in 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 it before reuse. Prolonged frequently repeated skin contact may cause allergic reaction in some individuals.

**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	Henson						
DATE	8-3-2005						

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

Sincerely,

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

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ACCEPTED  
with COMMENTS  
EPA Letter Dated:

AUG 3 2005

# CHLORINE

## LIQUEFIED GAS UNDER PRESSURE

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

2686-3

ACTIVE INGREDIENT:	
Chlorine.....	99.5%
OTHER INGREDIENTS:.....	0.5%
Total	100.0%

**KEEP OUT OF REACH OF CHILDREN**

# DANGER ☠ POISON

*(NOTE: Skull and crossbones will be larger and in red on white background on final label)*

**FATAL IF INHALED.**

**LIQUID CAUSES SEVERE BURNS**

EPA Reg. No. 2686-3

EPA Est. No. 2686-WI-05

Net Contents: [2000 lbs or 150 lbs]

### PRECAUTIONARY STATEMENTS

#### FIRST AID

**IF INHALED.** Move person to fresh air. If person is not breathing, call 911 or ambulance, then give basic life support (Cardio-Pulmonary Resuscitation/Automatic External Defibrillator). Call 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.** 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 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 a poison control center or doctor. Do not give anything by mouth to an unconscious person.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 24 hour EMERGENCY: 414 / 227-1311 or CHEMTREC 800 / 424-9300

**NOTE TO PHYSICIAN:** Symptoms may become more severe up to 36 hours after exposure including pulmonary edema. Probable mucosal damage may contraindicate the use of gastric lavage.

**Hydrite Chemical Co.**  
191 W. 28<sup>th</sup> Ave.  
Oshkosh, WI 54901

**Phone: 1-920-233-8181**

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**Danger:** Fatal if inhaled. 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 it before reuse. Prolonged frequently repeated skin contact may cause allergic reaction in some individuals.

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### PRECAUTIONARY STATEMENTS

#### PERSONAL PROTECTIVE EQUIPMENT

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

**IN CASE OF LEAK:** Handlers must wear chemical-resistant gloves (such as nitrile or butyl) and a respirator (NIOSH approved) or SCBA if the chlorine concentration is unknown or exceeds IDLH (Immediately Dangerous to Life or Health concentration, as recommended by NIOSH). Gloves, eyewear, appropriate protective clothing and a SCBA 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 Offices of the EPA.

#### PHYSICAL & CHEMICAL HAZARDS

Chlorine is a nonflammable 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.

### STORAGE AND DISPOSAL

**STORAGE:** Store cylinders and ton containers in a dry area away from sources of heat and protected from intense sunlight. 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 in the Chlorine Manual and the appropriate Chlorine Emergency Kit Manual and/or notify supplier immediately.

**LEAK PROCEDURES:** Make daily inspections for leaks. Stop a leak at once since it will become worse with time. In case of leak, follow your site's Emergency Response Plan. It is illegal to ship a leaking chlorine container.

**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 Institute pamphlet #76 for cylinders and ton containers.

#### DIRECTIONS FOR USE

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.

##### Applications:

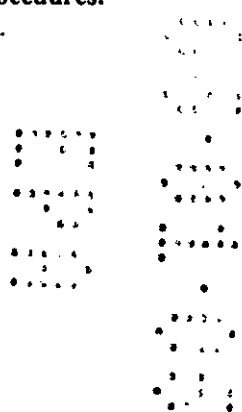
- As a disinfectant in potable and wastewater treatment,
- As a disinfectant and algacide in non-residential swimming pools,
- As a disinfectant and algacide in pulp and paper process water systems, and
- For cooling water treatment, or
- For manufacture of sodium hypochlorite.

**Consult Chlorine Institute pamphlets for additional instructions and management procedures.**  
To contact the Chlorine Institute, call (703) 741-5760 or visit its website at [www.CL2.com](http://www.CL2.com).

ACCEPTED  
with COMMENTS  
EPA Letter Dated:

AUG 3 2005

Under the Federal Insecticide, Fungicide, and Rodenticide Act, this pesticide is registered under EPA Reg. No. 2686-3



After removing the Cylinder Cap, unscrew the Valve Cap in the side of the Cylinder Valve, leaving the Lead or Fiber Washer in place. The Hydrite Chlorine wrench will fit the Valve Cap, operate the Valve Stem and tighten the Clamp Screw and Packing Nut.

To connect the discharge line, attach the yoke Clamp and Adapter (or Special Union) – never use pipe fittings having standard tapered thread – use the new lead gaskets supplied with the container each time the connection is made. BE SURE THAT THE CLAMP BEARS SQUARELY ON THE CONNECTOR SHOULDER AND THAT THE LEAD OR FIBER WASHER IS IN PLACE. Turn the Clamp Screw so as to hold the Connector face tight against the Lead or Fiber Washer in the outlet of the Cylinder Valve, but not so tight that the Lead or Fiber Washer will spread and close the outlet hole. The Connector Shoulders are proportioned so that the large Special Lead or Fiber Washer can be used on the Connector Shoulder, when the smaller Standard Lead or Fiber Washer is removed. (The Standard Lead or Fiber Washer can be supplied by Hydrite.) By means of the Nut for the Special Union Connector, a connection can be made without the Clamp. However, the Clamp Connection is preferred. The Special Union Connector is furnished for use where the connection to the discharge line is a 3/4 inch Union. Open the Cylinder Valve by TURNING THE VALVE TO THE LEFT, controlling the flow of gas as desired.

When the Cylinder is empty, close the Cylinder Valve. Remove the Clamp and screw the Valve Cap in the Cylinder Valve. Screw the Cylinder Cap on tight so that it will not come off in transit. The Packing in the Valve can be tightened by screwing down the Packing Nut.

CAUTION: DO NOT OPEN THE VALVE STEM MORE THAN ONE TURN

One complete revolution of the Stem opens the Valve wide. Further turning may break the Valve system. When the pressure of gas in the Cylinder drops, indicating full discharge, close the Cylinder Valve immediately. This prevents water or other foreign material from being sucked into the Cylinder, which would create a dangerous situation. Keep the Metal Chlorine Discharge Lines dry. Wet Chlorine is extremely corrosive to ordinary metals.

Once container is empty you may remove the tear off section to indicate the container is empty, but DO NOT REMOVE TAG. When empty return to:

Hydrite Chemical Co.  
191 W. 28<sup>th</sup> Ave.  
Oshkosh, WI 54901  
920-233-8181  
24 Hour: 414-277-1311

CORROSIVE  
INHALATION HAZARD 2, POISON INHALATION HAZARD UN1017

INSERT: (NSF MARK SYMBOL, Certified to ANSI/NSF 60)

ACCEPTED  
W/ COMMENTS  
TO EPA Letter Dated

AUG 3 2005

United States of America,  
Federal Government, as Act as  
agent for the...  
registered under EPA Reg. No. 7686-3

