

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

April 13, 2005

Wayne L. Penick  
DPC Industries, Inc.  
P.O. Box 24600  
Houston, TX 77229-4600

Subject: Chlorine  
EPA Registration No. 813-10  
Submission Date: January 10, 2005  
Receipt Date: January 14, 2005

Dear Mr. Penick:

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:

- Revised label per PR Notice 2001-1
- Revisions per March 4, 2004

**Condition**

1. Revise the Ingredient statement as follows:

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

2. Remove the broad use pattern “. . . and certain other food commodities” from the label.

CONCURRENCES

SYMBOL	7510C						
SURNAME	Mitchell						
DATE	4-13-05						

**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,

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

3/6

# COMPRESSED CHLORINE GAS

(CHLORINE LIQUEFIED GAS UNDER PRESSURE)

Chlorine, Hazard Class 2.3 (8), UN1017, Poison-Inhalation Hazard Zone B, RQ

**ACTIVE INGREDIENT:** Chlorine ..... 99.5%

**INERT INGREDIENTS:** ...Other.....0.5%

**DANGER:** Empty Cylinders and Tons Contain Chlorine Residue.  
Always Return Empty Cylinders and Tons with Valve Protective Housing.

<b>KEEP OUT OF REACH OF CHILDREN</b>	
	
<b>DANGER</b>	<b>POISON</b>

(NOTE: THE SKULL & CROSS BONE WILL BE IN BLACK. DANGER AND POISON WILL BE IN RED IN THE FINAL LABEL)

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

ACCEPTED  
with COMMENTS  
EPA Letter Dated:

APR 13 2005

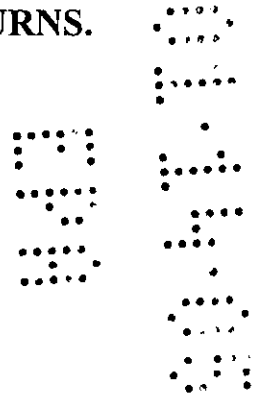
Under the Federal Insecticide,  
Fungicide, and Rodenticide Act as  
amended for the pesticide,  
registered under EPA Reg. No.

DPC Industries, Inc.  
1919 Jacintoport Blvd.  
Houston, TX 77015  
281-457-4888

EPA Reg. No. 813-10  
EPA Est. No. 813-TX-001

**For 24 Hour Emergency Information**

813-10 **Call CHEMTREC 800-424-9300**



Net Contents: 150 lbs. , 2000 lbs.

**FOR USE AS A DISINFECTANT BY EXPERIENCED PERSONNEL ONLY.** In municipal water supplies, sewage and water management plants, and industrial, residential and commercial swimming pools.

Certified to ANSI/NSF Standard 60. Maximum use in potable water is 30 mg/L.

(Insert: NSF Mark Symbol)

**DO NOT REMOVE THIS TAG**

## PRECAUTIONARY STATEMENTS

ROUTE OF EXPOSURE	FIRST AID
INHALATION	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.
SKIN IRRITATION (SKIN OR CLOTHING CONTACT WITH LIQUID CHLORINE)	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.
SKIN IRRITATION (CONTACT WITH GASEOUS CHLORINE)	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.
INGESTION	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. DO NOT INDUCE VOMITING unless told to do so by a poison control center or medical physician. DO NOT give anything by mouth to an unconscious person.
EYE	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.
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.
HAVE THE PRODUCT CONTAINER OR LABEL WITH YOU WHEN CALLING A POISON CONTROL CENTER OR MEDICAL PHYSICIAN, OR GOING FOR TREATMENT.	

## 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.

5/6

## 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 AND CHEMICAL HAZARDS

Chlorine is a non-flammable gas stored and shipped as a liquefied gas under pressure. Do not drop or heat the container. Keep away from heat. Chlorine is 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. 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).

6/6

Chlorine Manual	CI Pamphlet #1
Piping Systems	CI Pamphlet #6
Chlorine Packaging Plants	CI Pamphlet #17
Cargo Tank Handling	CI Pamphlet #49
Emergency Response	CI Pamphlet #64
Personal Protective Equipment	CI Pamphlet #65
Railcar Handling	CI Pamphlet #66
Cylinders at Swimming Pools	CI Pamphlet #82
Swimming Pool Applicators	CI Pamphlet #97
Potable Water Treatment	CI Pamphlet #155
Wastewater Treatment	CI Pamphlet #155

Applications:

Only for formulation into an algaecide, slimicide, disinfectant or sanitizer and for the following uses(s):

- As a disinfectant in potable and wastewater treatment,
- As a disinfectant and algaecide in non-residential swimming pools,
- As a disinfectant and algaecide in pulp and paper process water systems, and
- For cooling tower water treatment,
- As a sanitizer for wash water treatment of food handling premises and equipment,
- For wash water for raw agricultural commodities and certain other food commodities,
- For repackaging into smaller containers, or
- For manufacture of sodium hypochlorite.

The registrant is solely responsible for the safety of the servicing equipment used with this pesticide, and for the repackaging of this gas from the larger containers into portable cylinders and ton containers. Each repackager must obtain its own EPA Registration Number for this pesticide for this use, and its own EPA Establishment Number from the EPA. Repackagers may only dispense this product to portable containers that are approved for chlorine and are appropriately labeled.

### 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 CI Pamphlet # 76 for cylinders and ton containers, CI Pamphlet # 49 for chlorine cargo tanks and CI Pamphlet # 66 for tank cars. All valves must be closed tight and closures or caps secured. It is illegal to ship a leaking chlorine container. Follow U.S. DOT regulations for returning empty containers, including proper installation of valve protective housing for all storage and shipments.