

37982-39

3/25/2010

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460



Office of Pesticide Programs

MAR 25 2010

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Cristina Griffin
Agent for Pioneer Americas, LLC
c/o Delta Analytical Corporation
12510 Prosperity Drive
Suite 160
Silver Spring, MD 20904

Subject: Chlorine Liquefied Gas Under Pressure
EPA Registration No. 37982-39
Application Date: February 2, 2009
EPA Receipt Date: February 3, 2009

Dear Ms. Griffin,

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

Proposed Amendment

- Label Amendment

Conditions

Revise the label as follows:

1. Per the Chlorine RED, revise the Precautionary Statement to read:

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS & DOMESTIC ANIMALS**

Danger. Fatal if swallowed, inhaled or absorbed through skin. Corrosive. Causes irreversible eye damage and skin burns. Do not breathe vapor. Do not get in eyes, on skin or on 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.

2. Per the Chlorine RED, revise the Environmental Hazards Statement as follows:

a. Change the statement "This pesticide is toxic to fish." to read "This pesticide is toxic or highly toxic to fish and aquatic invertebrates."

b. Change the statement "For guidance contact the regional office of the Environmental Protection Agency." to read "For guidance contact your State Water Board or Regional Office of the EPA."

3. Per the Chlorine RED, revise the Chemical-Physical Hazards statement to include the phrase "Do not heat container." preceding the statement "Keep away from..."

4. Revise the statement "Use only on well ventilated areas." to read "Use only in well ventilated areas."

5. Per the Chlorine RED, revise the Leak Procedure and Storage & Disposal sections to read:

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 gases, 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 **[state the name of the manual being used]** 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 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 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

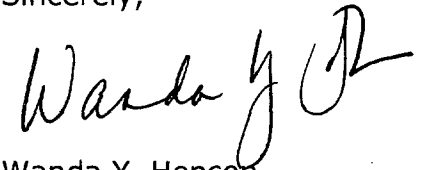
according to prescribed instructions and practices in the [state the name of the manual being used]. "All valves must be closed tight and closures or caps secured. It is illegal to ship a leaking chlorine container.

General Comments

A stamped copy of the accepted labeling is enclosed. Submit 1 copy of your final printed label before distributing or selling the product bearing the revised labeling.

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

Sincerely,



Wanda Y. Henson
Acting Product Manager (32)
Regulatory Management Branch II
Antimicrobials Division (7510P)

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS & DOMESTIC ANIMALS**

DANGER. Corrosive. Causes irreversible eye damage and skin burns. Fatal if swallowed, inhaled, or absorbed through skin. Do not get in eyes, on skin, or on clothing. Do not breathe vapor. Wear goggles, protective clothing and rubber gloves as discussed below. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco. Remove contaminated clothing and wash before reuse.

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 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 to fish. 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 the regional office of the Environmental Protection Agency.

CHEMICAL-PHYSICAL HAZARDS: Chlorine is a nonflammable gas, liquified, under pressure. Do not drop container. Keep away from intense heat or open sunlight. Corrosive to most metals in the presence of moisture.

LEAK PROCEDURE: Evacuate and isolate the area. Wear full protective clothing and self-contained breathing apparatus approved by NIOSH. Follow OSHA regulations for respirator use (Sec. 29 CFR1910.134). Wash contaminated clothes before reuse. If possible, stop flow of gas. Remove to open area.

STORAGE & DISPOSAL: **For Bulk Shipments:** Keep containers away from direct exposure to fire. All containers are to be kept in a secure location and must not be accessible to the general public. Empty containers should be properly identified with return tags and returned to the supplier according to prescribed instruction and practices recommended by the Chlorine Institute and per all applicable DOT, FRA and USCG regulations. **For Cylinders or Ton Containers:** Keep containers away from heat. Do not store in direct sunlight or drop portable containers. All containers are to be kept in a secure location and must not be accessible to the general public. Empty containers should be properly identified with return tags and returned to supplier according to prescribed instruction and practices recommended by the Chlorine Institute and per all applicable DOT, FRA and USCG regulations.

**DIRECTIONS FOR USE
GENERAL CLASSIFICATION**

It is a violation of federal law to use this product in a manner inconsistent with its labeling. Refer to the "Chlorine Manual" published by The Chlorine Institute, Inc. 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 the practices specified by all applicable, product labeling and the "Chlorine Manual" published by The Chlorine Institute, Inc. Use only on well ventilated areas.

Only for formulation into a disinfectant, sanitizer or slimicide for the following uses:

- disinfectant in the treatment of municipal drinking water supplies.
- disinfectant in sewage waste treatment plants.
- disinfectant in wastewater treatment facilities.
- disinfectant in industrial and commercial swimming pools.
- disinfectant in residential swimming pools when serviced by professional applicators.
- control of bacteria, algae and slime build-up in plant processing equipment (food processing use).
- sanitizer for treatment of food contact and non-food contact surfaces and equipment in food processing plants.
- sanitizer for wash water treatment of raw agricultural commodities and other food commodities.
- use in control of algae and slime in fountains, ponds and ornamental lakes containing no fish or wildlife.
- slimicide in water cooling systems and in paper mills.
- control of organisms causing decay of fruits or vegetables.
- repackaging into smaller containers for any of the above uses.

CLEANING FORMULATIONS, BLEACHING, & NON-PESTICIDE CHEMICAL MANUFACTURING: This product may be used for cleaning formulations, bleaching and non-pesticide chemical manufacturing. Only specifically designed handling and dispensing equipment should be used in accordance with manufacturer's instructions and according to operating instructions or product formulations defined by the use facility.

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