

37982-39

9/02/2010

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

SEP 02 2010

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

Subject: Chlorine Liquified Gas Under Pressure
EPA Registration Number 37982-39
Application Date: June 9, 2010

Dear Christina:

The Agency has reviewed your submission in accordance with continuing registration under the Federal Insecticide Fungicide and Rodenticide Act (FIFRA), as amended, and determined the action acceptable. In summary, you have updated the storage and disposal directions in accordance with our letter of March 25, 2010.

A stamped copy of the accepted labeling is enclosed. Submit one 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 call Tom Luminello at (703) 308-8075.

Sincerely,

A handwritten signature in black ink, appearing to read "Wanda Y. Henson".

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

CHLORINE

LIQUIFIED GAS UNDER PRESSURE

Manufacturing Use Product

CAS No. 7782-50-5

ACTIVE INGREDIENT:

Chlorine..... 99.5%

OTHER INGREDIENTS:..... 0.5%

TOTAL..... 100.0%

EPA Reg. No. 37982-39

EPA Est. Nos. : 72315-AL-001, 72315-GA-001, 72315-NY-001, 72315-TN-001, 71207-CAN-002

61667-CA-001, 61667-CA-002, 61667-LA-001, 61667-NV-001, 61667-WA-001, 61667-WA-002

See Bill of Lading for specific establishment number

KEEP OUT OF REACH OF CHILDREN



DANGER

POISON

FIRST AID

If inhaled	<ul style="list-style-type: none"> • 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 on skin or clothing	<ul style="list-style-type: none"> • 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 in eyes	<ul style="list-style-type: none"> • 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 swallowed	<ul style="list-style-type: none"> • Call a 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. • Do not give anything by mouth to an unconscious person.

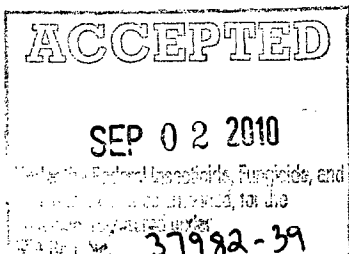
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

NOTE TO PHYSICIAN

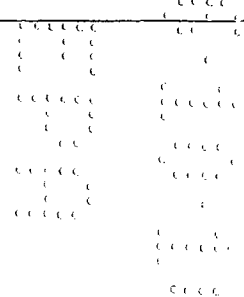
Probable mucosal damage may contraindicate the use of gastric lavage.

FOR ALL ACCIDENTS, CALL CHEMTREC AT 1-800-424-9300 (in USA) OR NEWALTA AT 1-800-567-7455 (in CANADA)

**PIONEER AMERICAS, LLC
D/B/A OLIN CHLOR ALKALI PRODUCTS
490 STUART ROAD N.E.
CLEVELAND, TN 37312**



Net Wt: BULK
[See Bill of Lading]



PRECAUTIONARY STATEMENT 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 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 of 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 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.

CHEMICAL-PHYSICAL HAZARDS: Chlorine is a nonflammable gas, liquified, 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.

DIRECTIONS FOR USE GENERAL CLASSIFICATION

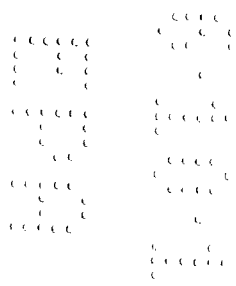
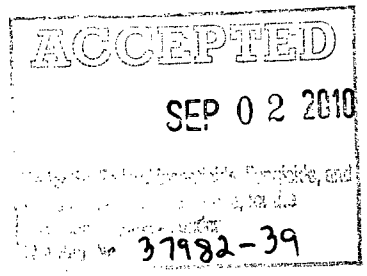
It is a violation of federal law to use this product in a manner inconsistent with its labeling. Refer to the "Chlorine Manual" published by The Chlorine Institute, Inc. for instructions on the required product use and safety procedures. Before working with this product, handlers must be trained how 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 in 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.

NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OTHERWISE ARE MADE OR CONTAINED HEREIN, EXCEPT THAT PRODUCT CONFORMS TO OLIN'S SPECIFICATIONS THEREFORE, Olin's exclusive responsibility for any claims, including claims based on negligence, arising in connection with the purchase, use, storage or handling of the product will in no event exceed Olin's sales price for the product with respect to which damages are claimed. In no event will Olin be liable for any incidental or consequential damages arising in connection with the purchase, use, storage or handling of the product. Buyer accepts full responsibility for compliance with all applicable Federal, state and local laws and regulations



STORAGE AND DISPOSAL

[For bulk shipments use the following:]

For Bulk Shipments (Rail cars and Tank trucks): 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.

LEAK PROCEDURE: 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 and isolate the 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. 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.

[Substitute the following if cylinders or ton containers are used]

For Cylinders or Ton Containers: 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 Chlorine Institute Manual 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 PROCEDURE: 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 Chlorine Institute Manual. All valves must be closed tight and closures or caps secured. It is illegal to ship a leaking chlorine container.

