



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

October 4, 2019

Cristina Griffin  
Agent for Alexander Chemical Company  
c/o Delta Analytical Corp.  
12510 Prosperity Drive  
Silver Spring, MD 20904

Subject: Notification per PRN 98-10 – Application to Add Reader’s Notes and Update  
Company Address  
Product Name: Chlorine  
EPA Registration Number: 7151-4  
Application Date: March 4, 2019  
Decision Number: 551511

Dear Ms. Griffin,

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 for the above referenced product. The Antimicrobials Division (AD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action requested falls within the scope of PRN 98-10.

The label submitted with the application has been stamped “Notification” and will be placed in our records.

Should you wish to add/retain a reference to the company’s website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product’s label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA’s Office of Enforcement and Compliance.

If you have any questions, you may contact Michael Varco at 732-347-0403 or via email at [Varco.Michael@epa.gov](mailto:Varco.Michael@epa.gov).

Sincerely,

A handwritten signature in black ink, appearing to read "D. Fuller".

Demson Fuller, Product Manager 32  
Regulatory Management Branch II  
Antimicrobials Division (7510P)  
Office of Pesticide Programs

# CHLORINE

## LIQUEFIED GAS UNDER PRESSURE

### Non-Flammable UN1017

FOR USE AS A DISINFECTANT, by experienced personnel only, in municipal water supplies, sewage and waste management plants, and in industrial and commercial swimming pools in accordance with applicable local, state and federal regulations.

**ACTIVE INGREDIENT:**

Chlorine: .....99.5%

INERT INGREDIENTS:.....0.5%

TOTAL: .....100%

**NOTIFICATION**

7154-4

The applicant has certified that no changes, other than those reported to the Agency have been made to the labeling. The Agency acknowledges this notification by letter dated:

10/04/2019

**KEEP OUT OF REACH OF CHILDREN**

**DANGER  POISON**

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

IF INHALED Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call poison control center or doctor for treatment advice.

IF ON SKIN OR CLOTHING Take off contaminated clothing immediately. Rinse skin immediately with plenty of soap and water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

IF IN EYES Hold eyes open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first five minutes, then continue rinsing. Call 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.

**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.**

**FOR EMERGENCY ASSISTANCE  
CALL CHEMTREC: 800/424-9300**

Repackaged by:  
Alexander Chemical Corporation  
7593 South First Road  
**LaPorte, IN 46350**  
(219) 393-5558

EPA Reg. No. 7151-4      EPA Est. No. \_\_\_\_\_

**NET CONTENTS:**

## **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 SPILL OR LEAKAGE**

Handlers must wear chemical-resistant gloves (such as nitrile or butyl) and full-face canister-style (gas mask) respirators approved for chlorine (MSHA/NIOSH approval number prefix TC-14G) or 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 effected 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 & 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.

## **STORAGE AND DISPOSAL**

**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.

**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 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 published by the Chlorine Institute and/or notify supplier immediately.

**DISPOSAL:** Refillable container. Refill this container with Chlorine Gas only. Do not reuse this container for any other purpose. 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 recommended by the Chlorine Institute. All valves must be closed tight and closures or caps secured. It is illegal to ship a leaking chlorine container. Pesticide Wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes can not be disposed of by use according to label instruction, contact your State Pesticide or Hazardous Waste representative at the nearest EPA regional office for guidance. Do not contaminate water, food, or feed by storage disposal.

### DIRECTIONS FOR USE

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 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. Use only in well ventilated areas.

To contact the Chlorine Institute, call (703) 894-4140 or visit the Chlorine Institute website at [www.CL2.com](http://www.CL2.com) or at [www.chlorineinstitute.org](http://www.chlorineinstitute.org). The Chlorine Institute has pamphlets that cover all aspects of chlorine handling including the following.

CI Pamphlet#001	Chlorine Basics Manual
CI Pamphlet#006	Piping Systems for Dry Chlorine
CI Pamphlet#009	Chlorine Vaporizing Systems
CI Pamphlet#063	First Aid, Medical Management/Surveillance and Occupational Hygiene Monitoring Practices for Chlorine
CI Pamphlet#064	Emergency Response Plans for Chlor-Alkali, Sodium Hypochlorite, and Hydrogen Chloride Facilities
CI Pamphlet#065	Personal Protective Equipment for Chlor-Alkali chemicals
CI Pamphlet#073	Atmospheric Monitoring Equipment for Chlorine
CI Pamphlet#089	Chlorine Scrubbing Systems
CI Pamphlet#095	Gaskets for Chlorine Service
CI Pamphlet#155	Water and Wastewater Operators Chlorine Handbook

[NEVER TAMPER WITH FUSIBLE PLUGS OR ATTEMPT TO ALTER OR REPAIR CYLINDERS, TONS OR VALVES]

[Meets ANSI/AWWA B301]

{Graphics}



Certified to  
NSF/ANSI 60

Maximum Usage Level: 30 mg/l



UN1017  
Chlorine  
Inhalation  
Hazard  
RQ

