

APR 22 1998

Allied Universal Corporation  
8350 N.W. 93rd Street  
Miami, Florida 33166-2098

Attention: Robin J. Eddy  
Safety and Health Specialist

Subject: Compressed Chlorine  
EPA Registration Number 33458-1  
Your Submission Dated March 19, 1998

The amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable provide that you make the labeling changes listed below before you release the product for shipment bearing the amended labeling.

- I. The "Environmental Hazards" statement is listed on the front panel and back panel, delete on front panel and retain on back panel.

The name of record for this product is Compressed Chlorine Gas. If you choose to change the name of record for this product, you must submit to the Agency an amendment for a name change. The Agency does not use additional brand names in correspondence with the registrant.

A stamped copy is enclosed for your records. Submit one copy of the final printed label before you release the product for shipment bearing the amended label.

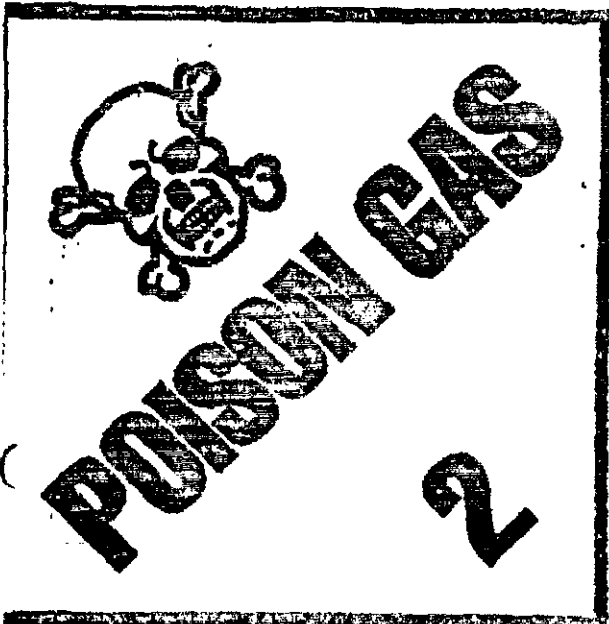
If you have any questions concerning this letter, please contact Delores Williams at (703) 308-6372.

Sincerely,  


Robert S. Brennis  
Product Manager (32)  
Regulatory Management Branch II  
Antimicrobials Division (7510W)

CONCURRENCES

SYMBOL	SURNAME	DATE					



**CHLORINE**

**ALLIED UNIVERSAL CORP.**  
 8350 NW 93 ST. • Miami, Florida 33166  
 (305) 888-2623

24 Hour Emergency Pager: (305) 483-7732



Complied to ANS/NSF 60

Net contents:

150 lbs.

2000 lbs.

ACCEPTED  
 WITH COMMENTS  
 in EPA Labelled:

APR 22 1998

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

33458-1

**CHLORINE GAS**

HAZARD CLASS 2.3 (UN1017)G  
 POLLUTION HAZARD ZONE 2  
 (UN3077), UN3082 (P201)

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.

ACTIVE INGREDIENT: Chlorine 66.5% INERT 33.5%

**KEEP OUT OF REACH OF CHILDREN**  
**DANGER** **POISON**

PRECAUTIONARY STATEMENTS HAZARD  
 TO HUMANS AND DOMESTIC ANIMALS

**DANGER**

Hazardous liquid and gas under pressure, keep away from  
 from heat or open flame and do not store in direct sun-  
 light. May be fatal if inhaled, do not breathe air contain-  
 ing this gas. Do not get in eyes, on skin, or on clothing.

STATEMENT OF PRACTICAL TREATMENT (FIRST AID)

**IF IN EYES:** Immediately flush eyes with plenty of water  
 for at least 15 minutes, holding eyelids apart to ensure  
 flushing of entire eye surface. Washing eyes within sev-  
 eral seconds after exposure is essential to achieve max-  
 imum effectiveness.

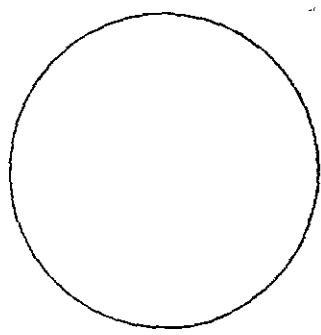
**IF ON SKIN:** Treat for inhalation first. Remove contami-  
 nated clothing under safety shower. Flush exposed skin  
 with water. Wash with soap and water. If irritation is pre-  
 sent after washing, get medical attention.

**IF INHALED:** Remove to fresh air. Administer oxygen un-  
 til victim breathes easily. Keep warm and at rest. In mild  
 cases, give milk to relieve irritation. Do not induce vomit-  
 ing. Get medical attention as soon as possible.

**IF SWALLOWED:** Never give anything by mouth to an un-  
 conscious person. Do not induce vomiting. Give large quan-  
 tities of water. If vomiting occurs spontaneously, keep  
 airway clear and give more water. Seek medical attention  
 immediately.

**ENVIRONMENTAL HAZARD:** This pesticide is toxic to fish, keep out of  
 lakes, streams or ponds. Do not contaminate water by cleaning of  
 equipment or disposal of wastes, permits may be required for discharges  
 containing this pesticide into lakes, ponds, or public water. For guidance  
 contact your regional office of the Environmental Protection Agency.

EPA REG. NO. 33458-1, EPA EST. 33458-FL-1,  
 FL-2, FL-3, FL-4, GA-1, GA-2, NJ-1, AR-1



# UN1017 RQ CHLORINE GAS

INHALATION HAZARD ZONE B  
(LIQUIFIED GAS - UNDER PRESSURE)

FOR USE AS A DISINFECTANT, by experienced personnel only in municipal water supplies, sewage and waste management plants and industrial, residential and commercial swimming pools.

ACTIVE INGREDIENT: Chlorine ..... 99.5%  
Inert ..... 5%

**KEEP OUT OF REACH OF CHILDREN**  
**DANGER**  **POISON**

IN CASE OF INHALATION EXPOSURE REMOVE PATIENT TO FRESH AIR, KEEP HIM WARM & QUIET. CALL A PHYSICIAN, IF BREATHING HAS CEASED, ARTIFICIAL RESPIRATION SHOULD BE STARTED IMMEDIATELY.

### PRECAUTIONARY STATEMENTS HAZARD TO HUMANS AND DOMESTIC ANIMALS DANGER

Hazardous liquid and gas under pressure, keep away from heat or open flame. May be fatal if inhaled, do not breathe air containing this gas. Do not get in eyes, on skin, or on clothing.

**ENVIRONMENTAL HAZARDS:** This product is toxic to fish and aquatic organisms. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of the National Pollutant Discharge Elimination System (NPDES) permit and 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.

### DIRECTIONS FOR USE:

It is a violation of federal law to use this product in a manner inconsistent with the labeling. Have available gas masks approved by the U.S. Bureau of Mines of the National Institute for Occupational Safety and Health. Handle and use only in accordance with practices recommended in the Chlorine Manual published by the Chlorine Institute, Inc., New York. Use only in well ventilated areas.

**STORAGE & DISPOSAL:** Chlorine cylinders are designed for reuse, and must be returned to the supplier. Cylinders must not be stored where they will be exposed to temperatures warmer than 54.5°C (130°F). Cylinders to be returned should be identified with DOT tag or label and shipped in accordance with suppliers instructions. Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of federal law. If these wastes cannot be disposed of by use according to label instructions, contact your state Pesticide or Environmental Control Agency or the Hazardous Waste Representative at the nearest EPA regional office for guidance. **DO NOT CONTAMINATE FOOD OR ANIMAL FEED BY STORAGE OR DISPOSAL.** Do not store in direct sunlight. Do not drop containers.

**GENERAL INSTRUCTIONS:** Chlorine cylinders have one valve and will deliver gas chlorine in the upright position. Ton containers have two valves in one head; in the horizontal position, with valves in a vertical line, they will deliver gas from the upper valve and liquid from the lower valve. Connection of containers discharging liquid to a manifold is not recommended. **NEVER CONNECT TO A GAS MANIFOLD A NEW CONTAINER THAT IS NOT AT THE SAME TEMPERATURE AS OTHER CONTAINERS CONNECTED TO THE SYSTEM.** Use chlorine containers in the order received. Weigh container on a platform scale when unloading. **NEVER HEAT CHLORINE CONTAINERS OR VALVES. DON'T PLACE THEM IN A HOT WATER BATH TO INCREASE DISCHARGE RATES.** Be sure no water or other liquid is sucked back into container due to pressure differences, especially when it is nearly empty. **NEVER LEAVE CONTAINER VALVES OPEN WHEN CHLORINE IS NOT BEING USED.** Use only valves, gauges, regulators, fittings, piping, etc., recommended for chlorine service. Notify the chlorine supplier promptly of damaged containers. **NEVER TAMPER WITH FUSIBLE PLUGS OR ATTEMPT TO ALTER OR REPAIR CONTAINERS OR VALVES.**

**ALLIED UNIVERSAL CORPORATION**  
8350 N.W. 93 St. - Miami, Florida 33166

EPA REG. NO. 33458-1 EPA EST. 33458-FL-1, FL-2, GA-1, N.J.-1, FL-3, GA-2, AR-1, FL-4

Fold

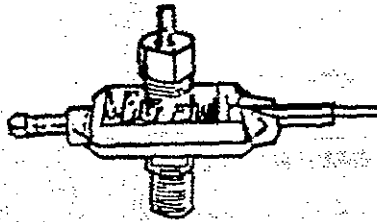
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**CONNECTING & DISCONNECTING:** Use 500 psig copper tubing fitted with special adapter to connect container to piping system. To connect line to container, remove valve protection cap and valve outlet cap. Then use wrench shown to attach tubing to valve with yoke. Use new gasket supplied with container each time connection is made. Make sure connections are tight. Check for leaks with ammonia vapor. Never use standard pipe fittings.

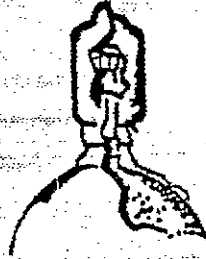
Turn stem one full turn counterclockwise to open valve. Don't use container valve to regulate the chlorine flow. Use of valve for flow control may wear valve seat so that it cannot be tightly closed. NEVER FORCE THE VALVE STEM. Hit wrench handle with the heel of the hand to loosen a stuck valve stem. NEVER USE A HAMMER OR OTHER IMPLEMENTS FOR THIS PURPOSE. Packing nut may be loosened slightly to relieve tight stem, but retighten promptly to avoid leak.

To disconnect, close valve, test valve for leaks, apply valve outlet cap with gasket and protection hood. Plug or cap the open end of the chlorine line immediately to keep out moisture.

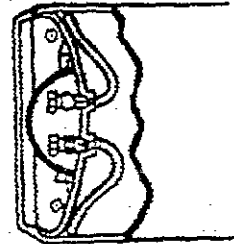
—THIS PACKAGE CONTAINS NEW SEALING GASKET—



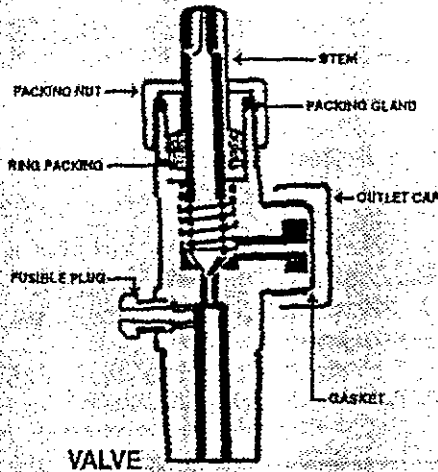
ADAPTER AND YOKE



CYLINDER

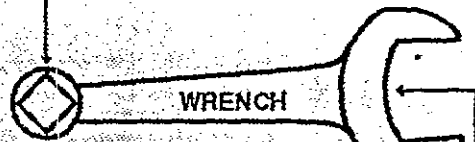


TON CONTAINER



VALVE

3/8" closed end for valve stem and yoke screw



WRENCH

1 1/4" open end for outlet cap and packing nut

**DO NOT STORE  
IN DIRECT SUNLIGHT**