



U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (H7505C)
401 "M" St., S.W.
Washington, D.C. 20460

EPA Reg. Number:
70529-1

Date of Issuance:
AUG 14 1997

NOTICE OF PESTICIDE:
 Registration
 Reregistration

Term of Issuance:
Conditional

Name of Pesticide Product:
Chlorine Gas

(Under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Chemical Formulator, Inc.
5215 West Tyson Avenue
Tampa, Florida 33611

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.
2. Make the following label changes:
 - a. Revise the EPA Registration Number to read, "EPA Reg. No. 70529-1".
 - b. The net contents should be declared on the label or on the container.

Signature of Approving Official:

Date:

AUG 14 1997

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c. Place on the label the "Statement of Practical Treatment" (First Aid) to read:

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 several seconds after exposure is essential to achieve maximum effectiveness.

If On Skin: Treat for inhalation first. Remove contaminated clothing under safety shower. Flush exposed skin with water. Wash with soap and water. If irritation is present after washing. Get Medical Attention.

If Inhaled: Remove to fresh air. Administer oxygen until victim breathes easily. Keep warm and at rest, In mild cases, give milk to relieve irritation. Do not induce vomiting. Get Medical attention as soon as possible.

If Swallowed: - Never give anything by mouth to an unconscious person. Do not induce vomiting. Give large quantities of water. If vomiting occurs spontaneously, keep airway clear and give more water. Seek Medical attention immediately.

3. Submit two copies of the revised final printed label for the record.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.



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

CHLORINE GAS

UN1017 RQ
INHALATION HAZARD ZONE B
(LIQUIFIED, UNDER PRESSURE)

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.

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.

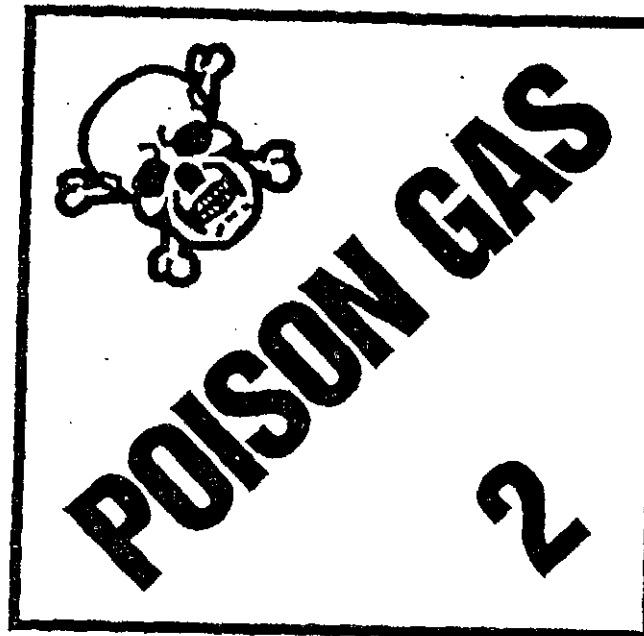
PRECAUTIONARY STATEMENTS HAZARD
TO HUMANS AND DOMESTIC ANIMALS

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 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.

EPA Reg. No. 70529-1 EPA EST. No. 70529-FL-1



CHLORINE UN1017 RQ
CHEMICAL FORMULATORS, INC.
5215 West Tyson Avenue, Tampa, FL 33611

ACCEPTED
with COMMENTS
in EPA Letter Dated:

AUG 14 1997

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

70529-1

APR 31 - P 2:40

APR 31 - P 2:40

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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 practice 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.**

CHEMICAL FORMULATORS, INC.

5215 West Tyson Avenue, Tampa, FL 33611

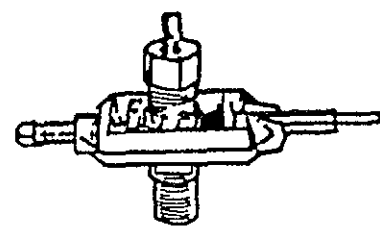
EPA Reg. No. 70529-1 EPA EST. No. 70529-FL-1

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.

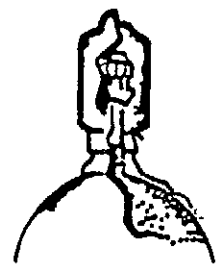
Turn stem one full turn counterclockwise to open valve. Don't use container valve to regulate the chlorine flow. Use of valve for flow-control may wear valve seat so that it cannot be tightly closed. **NEVER FORCE THE VALVE STEM.** Hit wrench handle with the heel of the hand to loosen a stuck valve stem. **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.

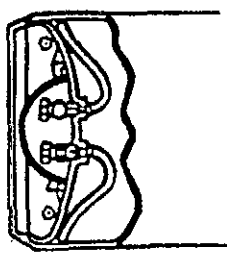
—THIS PACKAGE CONTAINS NEW SEALING GASKET—



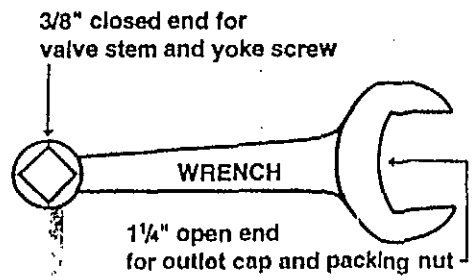
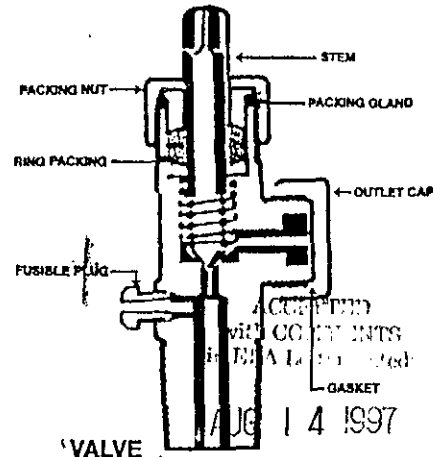
ADAPTER AND YOKE



CYLINDER



TON CONTAINER



**DO NOT STORE
IN DIRECT SUNLIGHT**

Unit of Chlorine, Insecticide, Pesticide, Fungicide, Herbicide, and other chemicals. Act as directed. EPA Reg. No. 70529-1

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