Department of Agriculture
STATE OF HAWAII

LICENSED

PERIOD 2015-2017 LIC. NO.
9266.4

Department of Agriculture
STATE OF HAWAII

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PERIOD 2012-2014 LIC. NO.

Department of Agriculture
STATE OF HAWAII

LICENSED

PERIOD 2009-2011 LIC. NO.

PGJ-2
12/2010

RESTRICTED USE PESTICIDE

SUNNY SOL® CHLORINE

LIQUIFIED GAS UNDER PRESSURE

NONFLAMMABLE

FOR USE AS A DISINFECTANT AND/OR ALGICIDE, by experienced personnel only, in municipal water supplies, sewage and waste management plants, and in commercial and industrial swimming pools; as a slimicide in water cooling systems and in paper mills; for bacteria, algae, slime build-up and clogging in irrigation systems; for sanitizing non porous and porous food contact surfaces; for treating fruit and vegetables; for the manufacture of sodium hypochlorite and in repackaging into portable cylinders. Re-packagers must obtain their own registration with Environmental Protection Agency.

CAS No. 7782-50-5

ACTIVE INGREDIENT:	
Chlorine	99.5%
OTHER INGREDIENTS:	0.5%
TOTAL:	100.0%

KEEP OUT OF REACH OF CHILDREN

DANGER **POISON**

See Back Panel for Other Precautions

Manufactured by:
JCI Jones Chemicals, Inc.
Sarasota, FL 34236
and Principal Cities

Return Empty Container and Valve Protection Hood To:

JCI Jones Chemicals, Inc.
100 Sunny Sol Boulevard
Caledonia, NY 14423
(585) 538-2314

EPA Reg. No.: 1744-10 EPA Est. No.: 1744-NY-2

Net Weight: 150 Pounds

FIRST AID

If inhaled	• 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	• 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	• 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	• 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.

Hang tag

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 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 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 the labeling. Have available gas masks approved by 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., Virginia. Use only in well ventilated areas.

Only specifically designed dispensing equipment should be used in accordance with manufacturer's instructions and according to state regulatory agency recommendations for dosages or residual chlorine levels which should be maintained for each specific site of application. FOR USE AS A DISINFECTANT AND/OR ALGICIDE, by experienced personnel only. in municipal water supplies, sewage and waste management plants, and in commercial and industrial swimming pools; as a slimicide in water cooling systems and in paper mills; for the manufacture of sodium hypochlorite and in repackaging into portable cylinders. The "Booklet – Additional Use Instructions" includes specific directions for use of this product for bacteria, algae, slime build-up and clogging in irrigation systems; for sanitizing non porous and porous food contact surfaces; and for treating fruit and vegetables. Re-packagers must obtain their own registration with Environmental Protection Agency.

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 JCI's SPECIFICATIONS THEREFORE, JCI'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 JCI's sales price for the product with respect to which damages are claimed. In no event will JCI 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.

Hang tag

GENERAL INSTRUCTIONS

Chlorine cylinders have one valve and will deliver gas chlorine in the upright position.

When connecting multiple cylinders to a common manifold, it is imperative that all of the cylinders be of similar ambient temperature to avoid feeding product from one cylinder into another. NEVER CONNECT TO A GAS MANIFOLD A NEW CYLINDER THAT IS NOT AT THE SAME TEMPERATURE AS OTHER CYLINDERS CONNECTED TO THE SYSTEM.

Use chlorine cylinders in the order received. Weigh cylinder on a platform scale when unloading.

Cylinder temperature should not exceed 130 F (54.4 C).

NEVER HEAT CHLORINE CYLINDERS OR VALVES, DO NOT PLACE THEM IN A HOT WATER BATH TO INCREASE DISCHARGE RATES.

Be sure no water or other liquids are sucked back into cylinder due to pressure differences, especially when the cylinder is near empty. NEVER LEAVE CYLINDER VALVES OPEN WHEN CHLORINE IS NOT BEING USED.

Use only valves, gages, regulators, fittings, piping etc., recommended for chlorine service.

Notify the chlorine supplier promptly of damaged cylinders. NEVER TAMPER WITH FUSIBLE PLUGS OR ATTEMPT TO ALTER OR REPAIR CYLINDERS OR VALVES.

USING CHLORINE IN CYLINDERS
(See diagrams 1-4)

CONNECTING AND DISCONNECTING

Use chlorine rated tubing or transfer hoses fitted with special adapter (4-A) to connect cylinder to piping system. To connect line to cylinder, remove valve protection hood (1-A) and valve outlet cap (2-A). Then use wrench (3) shown to attach tubing to valve with yoke (4-B). Use new gasket supplied with cylinder each time connection is made. Make sure connections are tight. Check for leaks with aqueous ammonia vapor. Appearance of white vapor indicates a chlorine leak.

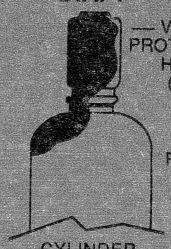
**(continued on reverse;
diagrams on reverse)**

Hang tag

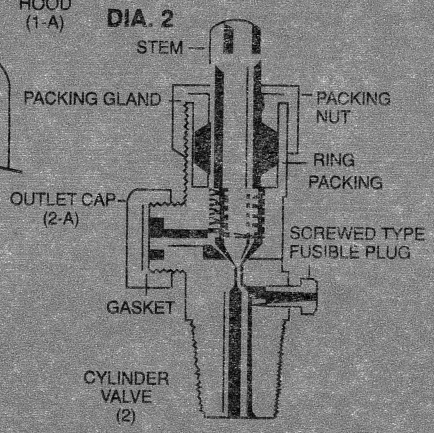
Turn stem one full turn counterclockwise to open valve (2). Don't use cylinder valve (2) to regulate the chlorine flow. Use of valve for flow-control may wear valve seat so that it cannot be tightly closed. NEVER FORCE THE VALVE STEM. Hit wrench handle with the heel of the hand to loosen a stuck valve stem. NEVER USE A HAMMER OR OTHER IMPLEMENTS FOR THIS PURPOSE.

To disconnect, close valve (2), disconnect tubing, yoke and adapter (4-A & 4-B), test valve for leaks, apply valve outlet cap (2-A) with gasket. Replace valve protection hood (1-A) on cylinder. Plug or cap the open end of the chlorine line immediately to keep out moisture.

DIA. 1



DIA. 2



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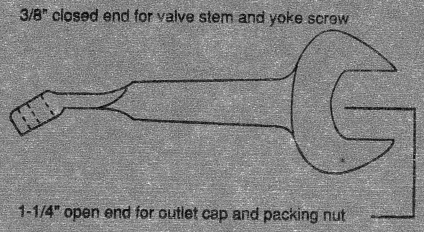

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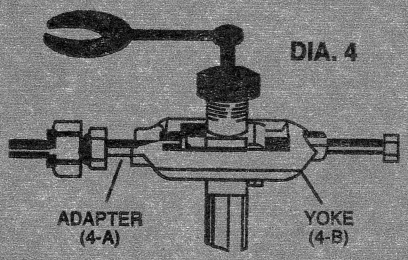

DO NOT REMOVE THIS TAG

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Hang Tag