

**ACCEPTED**  
 22 OCT 1981  
 5736-71

UNDER THE FEDERAL INSECTICIDE  
 FUNGICIDE AND RODENTICIDE ACT  
 FOR ECONOMIC POISON REGISTERED  
 UNDER NO.

**PRECAUTIONARY STATEMENTS.  
 HAZARDS TO HUMANS AND  
 DOMESTIC ANIMALS.**

**DANGER:** Corrosive, may cause severe skin irritation or chemical burns to broken skin. Causes eye damage. Do not get in eyes, on skin or on clothing. Wear goggles or face shield and rubber gloves when handling this product. Wash after handling. Avoid breathing vapors. Vacate poorly ventilated areas as soon as possible. Do not return until odors have dissipated. Do not use ammonia or other bowl cleaners with this product. To do so will release hazardous gases.

**ENVIRONMENTAL HAZARDS.** This pesticide is toxic to fish. Keep out of lakes, streams or ponds. Treated effluent may not be discharged into lakes, streams, ponds or public waters without a valid discharge permit. For guidance, contact the regional office of the Environmental Protection Agency.

**PHYSICAL AND CHEMICAL HAZARDS. STRONG OXIDIZING AGENT.** Mix only with water according to label directions. Mixing this product with gross filth such as feces, urine, etc., or with ammonia, acids, detergents or other chemicals may release hazardous gases irritating to eyes, lungs and mucous membranes.

manufactured by

**DUBOIS CHEMICALS  
 Division Chemed Corp.  
 Research Laboratory  
 3630 E. Kemper Rd.  
 Sharonville, Ohio 45241**

**EPA REG. NO. 5736-71**

**LIQU-A-KLOR**

**LIQUID-BACTERICIDE DISINFECTANT  
 AND SANITIZER**

**ACTIVE INGREDIENT**  
 Sodium Hypochlorite..... 5.25%

**INERT INGREDIENTS**..... 94.75%

**KEEP OUT OF REACH OF CHILDREN**

**DANGER: FIRST AID:** If on skin, wash with plenty of soap and water. If in eyes, flush with water for at least 15 minutes. Get medical attention if swallowed. Drink large quantities of milk or gelatin solution if these are not available. Drink large quantities of water. Do NOT give vinegar or other acids. Do NOT induce vomiting. Get prompt medical attention. See additional precautions on side panel.

**ONE GALLON U.S. MEASURE  
 (3.785 LITERS)  
 SOLELY FOR INSTITUTIONAL USE**

Keep Upright in Cool Place - Tightly Capped

**DIRECTION  
 IT IS A VIOLATION OF FEDERAL  
 LAW TO USE THIS PRODUCT IN A MANNER  
 NOT SPECIFIED ON ITS LABELING.**

**Using Dilution**  
 1/2 gallon of water  
 1/4 gallon of water  
 1/8 gallon of water

**Water Disinfection for Farm, Institutions**  
 1. Filter water from unprotected sources.  
 2. Add LIQU-A-KLOR to each 100 gallons of water for 30 minutes. This is a 100 PPM available chlorine.

**Farm Dairy Utensils** - Just before use, disinfect with LIQU-A-KLOR. This is a 100 PPM available chlorine.

**Milk Plant Equipment - Flow Methods**  
 1. Wash with water. This solution contains 5.25% available chlorine. The concentration of 100 PPM available chlorine is available. Test with a frequently available test kit. Rinse thoroughly with water. This is a 100 PPM available chlorine.

**Spray Method** - Spray all surfaces with this solution. This solution contains 5.25% available chlorine. Rinse thoroughly with water. This is a 100 PPM available chlorine.

**Cleaned in Place Milk Lines** - Mix with water to make a 100 PPM available chlorine solution. Spray through completely clean milk lines in the system.

**SWIMMING POOLS - Disinfection**  
 1. Without chlorinating device, add 1/2 gallon of water to provide 100 PPM available chlorine. Measure with a chlorine test kit. The use of a chlorine test kit is recommended. Add LIQU-A-KLOR to the water. This is a 100 PPM available chlorine.

**LAUNDERING, BLEACHING AND COTTON AND LINEN** - Add 1/4 gallon of water to 1/8 gallon of LIQU-A-KLOR. This is a 100 PPM available chlorine. For removing stains, remove stain with LIQU-A-KLOR. This is a 100 PPM available chlorine.

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# LIQU-A-KLOR

## LIQUID-BACTERICIDE DISINFECTANT AND SANITIZER

**ACTIVE INGREDIENT**  
 Sodium Hypochlorite ..... 5.25%  
**INERT INGREDIENTS** ..... 94.75%  
 100.00%

**KEEP OUT OF REACH OF CHILDREN**  
**DANGER: FIRST AID:** If on skin, wash with plenty of soap and water. If in eyes, flush with water for at least 15 minutes. Get medical attention. If swallowed, drink large quantities of milk or gelatin solution or, if these are not available, drink large quantities of water. Do NOT give vinegar or other acids. Do NOT induce vomiting. Get prompt medical attention. See additional precautions on side panel.

**ONE GALLON U.S. MEASURE**  
 (3.785 LITERS)  
**SOLELY FOR INSTITUTIONAL USE**

Keep Upright in Cool Place - Tightly Capped

**DIRECTIONS FOR USE:**  
**IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT IN A MANNER INCONSISTENT WITH ITS LABELING.**

Using Dilution	Available Chlorine
1/2 Gallon to 100 Gallons of water	100 ppm
1/4 Gallon to 50 Gallons of water	200 ppm
1/8 Gallon to 25 Gallons of water	400 ppm

**Water Disinfection for Farm, Institution, Camps and Home Water Supplies:** Disinfect water from contaminated sources, such as wells, springs, and lakes with LIQU-A-KLOR. Add 1/2 gallon of LIQU-A-KLOR to each 100 gallons of water. Let stand for 30 minutes. This solution contains about 100 PPM available chlorine.

**Farm Dairy Utensils:** Just before using, wash all dairy utensils with water and 1/2 gallon of LIQU-A-KLOR per 100 gallons of water. This solution contains 100 PPM available chlorine.

**Milk Plant Equipment - Flow Method:** Mix 1/2 gallon of LIQU-A-KLOR in each 4 gallons of water. This solution contains 100 PPM available chlorine. Pump the solution through all valves, pipes, and fittings. Flush with clean water. A starting concentration of 100 PPM available chlorine is recommended. Testing facilities are available to test the solution. If the test results are not satisfactory, the concentration should be increased to 200 PPM. If the test results are satisfactory, the concentration should be maintained at 100 PPM.

**Spray Method:** Spray all surfaces with a solution of 1/2 gallon of LIQU-A-KLOR in each 4 gallons of water. This solution contains 100 PPM available chlorine.

**Cleaned-In-Place Milk Lines:** Mix 1/2 gallon of LIQU-A-KLOR in each 4 gallons of water. This solution contains 100 PPM available chlorine. Circulate solution for at least 5 minutes through all pipes, cleaned lines, before use. Use enough solution to fill the entire milk lines of the system.

**SWIMMING POOLS - Disinfection, Algae Control:** For each 10,000 gallons of water plus 1/2 gallon of water, add 1/2 gallon of LIQU-A-KLOR. Add LIQU-A-KLOR to each 10,000 gallons of water to provide a 4 parts per million (ppm) and continue adding increments of 1/2 gallon of LIQU-A-KLOR per 10,000 gallons of water until the desired concentration has been established as determined by the test kit. Evenly distribute LIQU-A-KLOR as upper circulation. 2. For algae control, add 1/2 gallon of LIQU-A-KLOR per 10,000 gallons of water. This should be applied to the entire pool. Maintenance should be continued every 2 weeks.

**LAUNDERING, BLEACHING AND SANITIZING WHITE AND COLOR FAST COTTON AND LINEN:** Add 1/2 gallon of LIQU-A-KLOR to each 10 gallons of water. For loading machines, add 1/2 gallon of LIQU-A-KLOR to water, pour in a washing machine. For removing stains, remove stains by washing in hot water. Add 2 tablespoons LIQU-A-KLOR to each quart of water. Soak for 15 minutes. Rinse. Repeat if necessary.

For Brightening Whites: For each 100 gallons of water, add 1/2 gallon of LIQU-A-KLOR. For removing stains, remove stains by washing in hot water. Add 2 tablespoons LIQU-A-KLOR to each quart of water. Soak for 15 minutes. Rinse. Repeat if necessary.

**IMPORTANT:** All user's equipment must be clean in order for this bactericide to be effective.

**RESTAURANTS AND TAVERNS - Glasses, Dishes and Beer Mugs:** Wash then immerse in a mixture of 1 oz. LIQU-A-KLOR to each 2 gallons of water for 2 minutes. This solution contains 200 PPM available chlorine. Remove from the solution and drain dry.

**GLASSES, DISHES AND UTENSILS**

- A. Chemical Sanitizing - Commercial Dishmachines**
1. Pre-rinse, pre-rinse and load rack.
  2. Wash with suitable DuBois mechanical warewashing machine product for complete soil removal. LIQU-A-KLOR degrades with age. Test, rinse periodically with a chlorine test kit and adjust dispensing rate, as necessary, to insure a minimum of 50 ppm of available chlorine.
  3. Use only a chemically compatible rinse aid in conjunction with LIQU-A-KLOR.
  4. Feed LIQU-A-KLOR using an approved automatic dispenser that will provide a minimum of 100 ppm of available chlorine in all rinse water of at least 120 F - 149 F that contacts dish surfaces. An available chlorine level of 100 ppm corresponds to a LIQU-A-KLOR concentration of 1 ounce per gallon (2 milliter).

**B. Chemical Sanitizing - Manual Warewashing**

1. Pre-rinse and pre-rinse articles to be washed.
2. Wash in clean water using recommended DuBois product.
3. Rinse in potable water.
4. Sanitize in 100 ppm per gallon (4 milliter 200 ppm available chlorine) solution of LIQU-A-KLOR. Test available chlorine level periodically with chlorine test kit. When the available chlorine decreases to 50 ppm, discard the sanitizing solution.

**STORAGE AND DISPOSAL**

- Do not contaminate water, food or feed by storage or disposal.
- Open dumping is prohibited.
- Do not reuse empty container.

Store in a cool, dry area away from direct sunlight. In case of spill, flood area with large quantities of water.

**PESTICIDE DISPOSAL:** Pesticides that cannot be used should be diluted with water and disposed of in sanitary sewer. Do not contaminate food or feed by storage or disposal.

**CONTAINER DISPOSAL:** Rinse empty container thoroughly with water and then return to manufacturer or discard by placing in trash. Do not burn or incinerate in approved landfill.