

S32-1A

Use test kit and increase dosage, as necessary, to obtain required level of available chlorine.

**3. Dosage/Residual Control:** Successful disinfection is extremely dependent on response to fluctuating chlorine demand to maintain a predetermined, desirable chlorine level. Secondary effluent should contain 0.2 to 1.0ppm chlorine residual after a 15 to 30 minute contact time. A reasonable average of residual chlorine is 0.5ppm after 15 minutes contact time.

#### SWIMMING POOLS

**For Initial Treatment,** adjust the water pH to 7.2-7.6; use a test kit for pH control. Add 10 qt. of SODIUM HYPOCHLORITE SOLUTION for every 20,000 gal. of pool water uniformly around the pool from the container or through the chemical feed pump to obtain a chlorine residual of 10ppm. Maintain 10ppm chlorine residual and 7.2-7.6 pH for 2 days. Do not allow swimmers in the water until chlorine residual is less than 2ppm. **For Daily Treatment,** 1 qt. of SODIUM HYPOCHLORITE SOLUTION for every 20,000 gal. of pool water will provide a chlorine residual of 1ppm. Use a test kit and add SODIUM HYPOCHLORITE SOLUTION as needed from the container or through the chemical feed pump to maintain a chlorine residual of 1-2ppm. Maintain the pH at 7.2-7.6. **For Shock Treatment,** add 5 times the normal daily dosage of SODIUM HYPOCHLORITE SOLUTION from the container or through the chemical feed pump every 2 weeks. Keep swimmers out of the water until the chlorine residual is below 2ppm. Maintain the pH at 7.2-7.6.

### STORAGE AND DISPOSAL

KEEP CONTAINER CLOSED  
WASH THOROUGHLY AFTER HANDLING

**Storage:** Store this product in its original container only in a cool, dry, well-ventilated area out of direct sunlight. Store away from other pesticides, fertilizers, food, or feed. Do not store near acids, reducing agents, ammonia, or combustible materials. Loosen the closure cautiously when opening and replace the closure after each withdrawal. Do not use pressure to empty this container since it is not a pressure vessel.

**Disposal:** Do not contaminate water, food, or feed by storage or disposal. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. Triple rinse (or equivalent) this container. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

FOR INDUSTRIAL USE ONLY • NOT FOR HOUSEHOLD USE  
KEEP OUT OF REACH OF CHILDREN • DANGER  
HYPOCHLORITE SOLUTION, RQ, UN 1791

EPA REG. NO. 1662-42  
EPA EST. NO. 1662-1A-01

# McKesson

McKesson Chemical Company  
San Francisco, CA 94104

# SODIUM HYPOCHLORITE SOLUTION

ACTIVE INGREDIENT: SODIUM HYPOCHLORITE...9% INERT INGREDIENTS...91% NOTE: This product degrades

## DANGER!

CAUSES SEVERE BURNS

**Do not get in eyes, on skin, or on clothing. Do not breathe vapors. Use only with adequate ventilation. Vacate poorly ventilated areas as soon as possible and do not return until odors have dissipated.**

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**Environmental:** 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:** 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.

## FIRST AID

### ALWAYS GET IMMEDIATE MEDICAL ATTENTION

If in eyes, immediately flush eyes with lots of running water for 15 min. Get medical attention. If on skin, wash with lots of soap and water. If inhaled, remove to fresh air. Give artificial respiration if not breathing. If swallowed, drink 10.5 oz of milk or gelatin solution, or if these are unavailable, drink 10.5 oz of water. Do not induce vomiting. Do not give vinegar or other acids. Get immediate medical attention. Do not give anything to eat or drink to an unconscious or other vulnerable person.

## EMERGENCY RESPONSE

For emergency assistance involving chemicals, call CHEMTREC, 24 hours a day, at (800) 424-9300.

**In case of Fire:** Use water spray, dry chemical, or CO<sub>2</sub>. Use water spray to cool nearby containers. Avoid breathing exposed liquid and wear self-contained respiratory equipment.

**In case of Spill:** Flush small spills into waste treatment system with lots of water. For large spills, flush with water with dilute sodium bisulfite to flush neutralized material. Wash to remove spills with water. Do not mix with acids. Do not use combustible materials, such as sawdust, to absorb spills. Comply with all governmental regulations on reporting releases.

## DIRECTIONS FOR USE

**ALWAYS WEAR GOGGLES AND RUBBER GLOVES WHEN HANDLING**

**It is a violation of federal law to use this product in a manner inconsistent with its labeling.**

### SANITIZATION OF NONPOROUS NON-FOOD CONTACT SURFACES

**Rinse Method:** For use on nonporous, non-food contact surfaces, mix 2 oz of SODIUM HYPOCHLORITE SOLUTION with 1 gal of water. Spray, scrub, and rinse thoroughly with water. Allow to air dry.

0983 NET 550 LBS LOT

use, rinse all surfaces thoroughly with the sanitizing solution. Do not rinse surfaces with water after treatment and immersion method. Prepare a sanitizing solution by mixing 2 oz of SODIUM HYPOCHLORITE SOLUTION with 1 gal of water to provide 200 ppm available chlorine. Prior to use, immerse equipment in the sanitizer to drain. Do not rinse equipment with water after use. **Spray/Fog Method:** Prepare a sanitizing solution of SODIUM HYPOCHLORITE SOLUTION in a ratio of 2 oz of SODIUM HYPOCHLORITE SOLUTION by weight available chlorine. Clean surfaces in the normal manner. Prior to use, thoroughly spray or fog the area for at least 2 hr.

### SANITIZATION OF NON-POROUS

For use in food processing plants to sanitize equipment, mix 2 oz of SODIUM HYPOCHLORITE SOLUTION with 1 gal of water. Wash the equipment or utensils with a detergent.

**Rinse Method:** Rinse all surfaces thoroughly with the sanitizing solution. Thoroughly drain excess sanitizer and contact surfaces with water. Allow the sanitized surface to air dry.

**Immersion Method:** Immerse the utensils in the sanitizing solution. Thoroughly drain excess sanitizer and contact surfaces to air dry before contact with food products is permitted.

### WATER CHLORINATION

Chlorination requirements and policy vary from state to state. Supplies required at least 2 gal of SODIUM HYPOCHLORITE SOLUTION per 100 gal of water. Use a test kit to determine dosage and the distribution system should contain at least 100 gal of water.

### SEWAGE AND WASTEWATER

The disinfection of sewage effluent must be evaluated and/or tested for fecal coliform bacteria as determined by the MCHS. The disinfection must be to or below the maximum permissible level. Satisfactory disinfection of secondary effluent is 0.5 ppm available chlorine residual with 15 minutes contact. Although the chance of contacting chlorine residual with bacterial kill is related to the water quality standards requirements, it should be considered an operating standard valid on the following conditions: factors affecting wastewater treatment.

1. Mixing: It is imperative that the product and the wastewater be thoroughly mixed.
2. Contacting: Use a flow-through system to ensure that the wastewater passes through the sanitizer.

# SODIUM HYPOCHLORITE SOLUTION

HYPOCHLORITE...9% INERT INGREDIENTS...91% NOTE: This product degrades with age. Use within one month of receipt. Use a chlorine

...the vapors.  
...illated areas as soon  
...sipated.

## WARNINGS

...IMALS  
...Treated effluent may not be dis-  
...mit. For guidance, contact the regional

...label directions. Mixing this product  
...er chemicals may release hazardous

## CAUTION

...ical attention. If on skin, wash with  
...not breathing. If swallowed, drink  
...do not induce vomiting. Do not give  
...mouth to an unconscious person.

## USE

...800) 424-9300.  
...neighboring containers. Avoid fumes from

...For large spills, contain, neutralize  
...with lots of water. Avoid contact with

## USE

### WHEN HANDLING

...consistent with its labeling.

### DO NOT SURFACES

...HYPOCHLORITE solution with  
...other chemicals.

use, rinse all surfaces thoroughly with the sanitizing solution, maintaining at least 2 min. contact with the sanitizer. Do not rinse surfaces with water after treatment and do not soak surfaces overnight.

**Immersion Method:** Prepare a sanitizing solution by thoroughly mixing, in an immersion tank, 2 oz. of SODIUM HYPOCHLORITE SOLUTION with 10 gal. of water to provide about 200ppm by weight available chlorine. Clean equipment in the normal manner. Prior to use, immerse equipment in the sanitizing solution for at least 2 min. and allow the sanitizer to drain. Do not rinse equipment with water after treatment.

**Spray/Fog Method:** Prepare a sanitizing solution of sufficient size by thoroughly mixing SODIUM HYPOCHLORITE SOLUTION in a ratio of 2 oz. of SODIUM HYPOCHLORITE SOLUTION with 10 gal. of water to provide about 200ppm by weight available chlorine. Clean surfaces in the normal manner. Use spray or fogging equipment which can resist hypochlorite solution. Prior to use, thoroughly spray or fog all surfaces until wet. Allow excess sanitizer to drain. Vacate area for at least 2 hr.

### SANITIZATION OF NON-POROUS FOOD CONTACT SURFACES

For use in food processing plants to sanitize equipment, utensils, or bottles, prepare a sanitizing solution by thoroughly mixing 2 oz. of SODIUM HYPOCHLORITE SOLUTION with 10 gal. of water to provide about 200ppm by weight available chlorine. Wash the equipment or utensils with a detergent in the usual manner and rinse excess detergent with clean water.

**Rinse Method:** Rinse all surfaces thoroughly with the sanitizing solution, allowing at least 2 min. contact with the sanitizer. Thoroughly drain excess sanitizer and completely remove sanitizer residue. Do not rinse the surfaces with water. Allow the sanitizer to dry before contact with food products. Do not use the sanitizing solution.

**Immersion Method:** Immerse the equipment in the sanitizing solution for at least 2 min. Thoroughly drain the sanitizer and completely remove sanitizer residue. Do not rinse the sanitized surfaces with water. Allow the sanitizer to dry before contact with food products. Do not use the sanitizer.

### WATER CHLORINATION

...chlorination of water in tanks, reservoirs, or distribution systems. For information on water chlorination, contact the manufacturer or your local health department. For information on water chlorination, contact the manufacturer or your local health department.

### SEWAGE AND WASTEWATER EFFLUENT TREATMENT

...sewage and wastewater effluent treatment. For information on sewage and wastewater effluent treatment, contact the manufacturer or your local health department. For information on sewage and wastewater effluent treatment, contact the manufacturer or your local health department.

#### 1. Mixing

#### 2. Contact