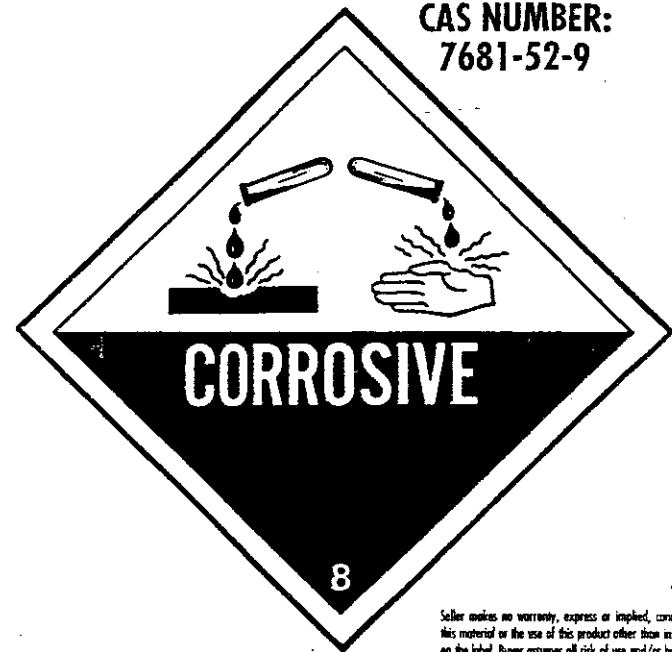


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Page 1 of 1

DOT DESCRIPTION  
HYPOCHLORITE SOLUTIONS, 8  
UN 1791, PGIII, RQ

CAS NUMBER:  
7681-52-9



Seller makes no warranty, express or implied, concerning this material or the use of this product other than indicate on the label. Buyer assumes all risk of use and/or handling of this material when such use and/or handling is contrary to label instructions.

FOR CHEMICAL EMERGENCY CALL  
CHEMTREC AT 1-800-424-9300  
CONSULT MSDS FOR ADDITIONAL INFORMATION

# SODIUM HYPOCHLORITE SOLUTION

DISINFECTANT BACTERICIDE DEODORANT

For use in food processing plants, farms,  
restaurants, hotels, swimming pools and in  
industrial applications as a bleach.

ACTIVE INGREDIENT: Sodium Hypochlorite .....	12.5%
INERT INGREDIENTS: .....	87.5%
TOTAL .....	100.0%

KEEP OUT OF REACH OF CHILDREN  
DANGER

### FIRST AID

- IF IN EYES: Flush with water for at least 15 minutes. Get prompt medical attention.
- IF ON SKIN: Wash with plenty of soap and water.
- IF SWALLOWED: Drink large amounts of water. Do not induce vomiting. Call a physician or poison control center immediately.
- SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS.
- Net Contents: 55 gallons
- Container Deposit: \*\$0.00

**GEHRING-MONTGOMERY, INC.**  
710 LOUIS DRIVE  
WARMINSTER, PA 18974  
215-957-1284

EPA REG. NO.: 66338-1      EPA EST. NO.: 66338-PA-001

### PRECAUTIONARY STATEMENTS

#### Hazards to Humans and Domestic Animals

**DANGER:** Corrosive, may cause severe skin and eye irritation or chemical burns to broken skin. Causes eye damage. Wear safety glasses or goggles and rubber gloves when handling this product. Wash after handling. Avoid breathing vapors. Locate poorly ventilated areas as soon as possible. Do not return until strong odors have dissipated.

#### 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 public waters unless in accordance with the requirements of a National Pollution 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 additional contact your State Water Board or Regional Office of the EPA.

#### Physical or Chemical Hazards

Strong oxidizing agent: Mix only with water according to label directions. Mixing this product with chemicals (e.g. ammonia, acids, detergents, etc.) or organic matter (e.g. urine, feces, etc.) will release chlorine gas which is irritating to eyes, lungs, and mucous membranes.

#### DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.  
**NOTE:** This product degrades with age. Use a chlorine test kit and increase dosage, as necessary, to attain the required level of available chlorine.

#### STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage and disposal.  
**Storage:** Store this product in a cool dry area, away from direct sunlight and heat to avoid deterioration. In case of spill, flood area with large quantities of water.  
**Disposal:** Product or residues that cannot be used should be diluted with water before disposal in a sanitary sewer. Do not reuse container but place in trash collection.

#### Commercial Laundry Bleach

Mix 1 gallon to 14 gallons of water. Introduce Sodium Hypochlorite into your normal laundry process.

#### Swimming Pool Water Disinfection

For a new pool or spring start-up, superchlorinate with 52 to 104 oz. of this product per 10,000 gallons of water to yield 5 to 10 ppm available by chlorine weight. Check the level of available chlorine with a test kit. Adjust and maintain pool water pH to between 7.2 to 7.6. Adjust and maintain the alkalinity of the pool to between 50 to 100 ppm.  
To maintain the pool, add manually or by a feeder device 11 oz. of this product per 10,000 gallons of water to yield an available chlorine residual between 0.5 to 1.5 ppm by weight. Stabilized pools should maintain a residual of 1.8 to 1.5 ppm available chlorine. Test the pH, available chlorine residual and alkalinity of the water frequently with appropriate test kits. Frequency of water treatment will depend upon temperature and number of swimmers.  
Every 7 days, or as necessary, superchlorinate the pool with 52 to 104 oz. of this product per 10,000 gallons of water to yield 5 to 10 ppm available chlorine by weight. Check the level of chlorine with a test kit. Do not reenter pool until the chlorine residual is between 1.0 to 3.0 ppm.  
At the end of the swimming pool season or when water is to be drained from the pool, chlorine must be allowed to dissipate from treated pool water before discharge. Do not chlorinate the pool within 24 hours prior to discharge.

#### Winterizing Pools

While water is still clear and clean, apply 3 oz. of this product per 1,000 gallons, while filter is running, to obtain a 3 ppm available chlorine residual, as determined by a suitable test kit. Cover pool, prepare heater, filter and heater components for winter by following manufacturer's instructions.

#### Disinfection of Drinking Water (Emergency/Public/Individual Systems)

**Public Systems:** Mix a ratio of 1 oz. of this product to 100 gallons of water. Begin feeding this solution with a hypochlorinator until a free available chlorine residual of at least 0.2 ppm and no more than 0.5 ppm is attained throughout the distribution system. Check water frequently with a chlorine test kit. Bacteriological sampling must be conducted at a frequency no less than that prescribed by the National Sanitation Primary Drinking Water Regulations. Contact your local Health Department for further details.  
**Individual Systems - Deep Wells:** Upon completion of the casing (lining), wash the interior of the casing (lining) with a 100 ppm available chlorine solution using a stiff brush. This solution can be made by thoroughly mixing 1 oz. of this product into 10 gallons of water. After covering the well, pour the sanitizing solution into the well through both the pipe/casing opening and the pipeline. Wash the exterior of the pump cylinder also with the sanitizing solution. Start pump and pump water until strong odor of chlorine in water is noted. Stop pump and wait at least 24 hours. After 24 hours, flush well until all traces of chlorine have been removed from the water. Consult your local Health Department for further details.  
**Individual Water Systems - Drilled, Driven & Bored Wells:** Run pump until water is as free from turbidity as possible. Pour a 100 ppm available chlorine sanitizing solution into the well. This solution can be made by thoroughly mixing 1 oz. of this product into 10 gallons of water. Add 5 to 10 gallons of clean, chlorinated water to the well in order to force the sanitizing into the rock formation. Wash the exterior of the pump cylinder with the sanitizer. Drop pipe into the well, start pump and pump water until strong odor of chlorine in water is noted. Stop pump and wait at least 24 hours. After 24 hours, flush well until all traces of chlorine have been removed from the water. Deep wells with high water levels may necessitate the use of special methods for introduction of the sanitizer into the well. Consult your local Health Department for further details.

**Individual Water Systems - Flowing Artesian Wells:** Artesian wells generally do not require disinfection. If analysis indicate persistent contamination, the well should be disinfected. Consult your local Health Department for further details.  
**Emergency Disinfection:** When boiling of water for 1 minute is not practical, water can be made potable by using this product. Prior to addition of the sanitizer, remove all suspended material by filtration or by allowing it to settle to the bottom. Decant the clarified contaminated water to a clean container and add 1 drop of this product to 20 gallons of water. Allow the treated water to stand for 30 minutes. Properly treated water should have a slight chlorine odor. If not, repeat dosage and allow the water to stand an additional 15 minutes. The treated water can then be made potable by pouring it between clean containers several times.

#### Sanitation of Nonporous Food Contact Surfaces

**Rinse Method -** A solution of 100 ppm available chlorine may be used in the sanitizing solution if a chlorine test kit is available. Solutions containing an initial concentration of 100 ppm available chlorine must be tested and adjusted periodically to insure that the available chlorine does not drop below 50 ppm. Prepare a 100 ppm sanitizing solution by thoroughly mixing 1.0 oz. of this product with 10 gallons of water. If no test kit is available, prepare a sanitizing solution by thoroughly mixing 2 oz. of this product with 10 gallons of water to provide approximately 200 ppm available chlorine by weight. Clean equipment surfaces in the normal manner. Prior to use, rinse all surfaces thoroughly with the sanitizing solution, maintaining contact with the sanitizer for at least 2 minutes. If the solution contains less than 50 ppm available chlorine, as determined by a suitable test kit, either discard the solution or add sufficient product to reestablish a 200 ppm residual. Do not rinse equipment with water after treatment and do not soak equipment overnight.

**Sanitizer used in commercial systems may be used for general cleaning but may not be reused for sanitizing purposes.**  
**Immersion Method:** A solution of 100 ppm available chlorine may be used in the sanitizing solution if a chlorine test kit is available. Solutions containing an initial concentration of 100 ppm available chlorine must be tested and adjusted periodically to insure that the available chlorine does not drop below 50 ppm. Prepare a 100 ppm sanitizing solution by thoroughly mixing 1.0 oz. of this product with 10 gallons of water to provide approximately 200 ppm available chlorine by weight.

**Clean equipment in the normal manner. Prior to use, immerse equipment in the sanitizing solution for at least 2 minutes and allow the sanitizer to drain. If solution contains less than 50 ppm available chlorine as determined by a suitable test kit, either discard the solution or add sufficient product to reestablish a 200 ppm residual. Do not rinse equipment with water after treatment.**

**Sanitizers used in automated systems may be used for general cleaning but may not be reused for sanitizing purposes.**  
**Flow/Pressure Method -** Disassemble equipment and thoroughly clean after use. Assemble equipment in operating position prior to use. Prepare a volume of a 200 ppm available chlorine sanitizing solution equal to 110% of volume capacity of the equipment by mixing the product to a ratio of 2 oz. product with 10 gallons of water. Pump solution through the system until full flow is obtained at all extremities. The system is completely filled with the sanitizer and all air is removed from the system. Close drain valves and hold under pressure for at least 2 minutes to insure contact with all internal surfaces. Remove some cleaning solution from drain valve and test with a chlorine test kit.

**Repeat entire cleaning/sanitizing process if effluent contains less than 50 ppm available chlorine.**  
**Clean-in-Place Method -** Thoroughly clean equipment after use. Prepare a volume of a 200 ppm available chlorine sanitizing solution equal to 110% of volume capacity of the equipment by mixing the product to a ratio of 2 oz. product with 10 gallons of water. Pump solution through the system until full flow is obtained at all extremities, the system is completely filled with the sanitizer and all air is removed from the system. Close drain valves and hold under pressure for at least 10 minutes to insure contact with all internal surfaces. Remove some cleaning solution from drain valve and test with a chlorine test kit. Repeat entire cleaning/sanitizing process if effluent contains less than 50 ppm available chlorine.

**Spray/Tag Method -** Pre-clean all surfaces after use. Use a 200 ppm available chlorine solution to control bacteria, mold, or fungi and a 400 ppm solution to control bacteriophage. Prepare a 200 ppm sanitizing solution of sufficient size by thoroughly mixing the product in a ratio of 2 oz. product with 10 gallons of water. Prepare a 400 ppm solution by thoroughly mixing the product in a ratio of 4 oz. product with 10 gallons of water. Use spray or tagging equipment which can resist hypochlorite solutions. Always empty and rinse spray/tag equipment with potable water after use. Thoroughly spray or tag all surfaces until wet, allowing excess sanitizer to drain. Vacate area for at least 2 hours. Prior to using equipment, rinse all surfaces treated with a 600 ppm solution with a 200 ppm solution.

#### Agricultural Uses

**Post-Harvest Protection -** Potatoes can be sanitized after cleaning and prior to storage by spraying with a sanitizing solution of a level of 1 gallon of sanitizing solution per ton of potatoes. Thoroughly mix 1 oz. of this product to 2 gallons of water to obtain 500 ppm available chlorine.

**Residue Disinfection -** Disinfect leaktight base calls and the base boards by immersion in a solution containing 1 ppm available chlorine for 3 minutes. Allow calls to drain for 2 minutes and dry for 4 to 5 hours or until no chlorine odor can be detected. This solution is made by thoroughly mixing 1 tsp. of this product to 100 gallons of water. The base boards is disinfected by spraying with a 0.1 ppm solution and all surfaces are thoroughly wet. Allow the boards to dry until all chlorine odor has dissipated.

**Fruit and Vegetable Washing -** Thoroughly clean all fruits and vegetables in a wash tank. Thoroughly mix 5 oz. of this product to 200 gallons of water to make a sanitizing solution of 25 ppm available chlorine. After draining the tank, submerge fruit or vegetables for 2 minutes in a second wash tank containing the reconstruction sanitizing solution. Spray fresh vegetables with the sanitizing solution prior to packaging. Rinse fruit with potable water only prior to packaging.

NOT REVIEWED  
In accordance with PR Notice 82-2.  
Based on Draft Labeling Dated