



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

September 25, 2019

Sheryl Lindros Dolan  
Senior Regulatory Consultant  
George S. Coyne Chemical Co., Inc.  
3015 State Road  
Croyton, PA 19021

Subject: Label Notification per PRN 2007-4 – Revised Storage and Disposal  
Product Name: Sodium Hypochlorite Solution  
EPA Registration Number: 41934-2  
Application Date: July 16, 2019  
Decision Number: 554369

Dear Ms. Dolan:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 2007-4 for the above referenced product. The Antimicrobials Division (AD) has conducted a review of this request for its applicability under PRN 2007-4 and finds that the action requested falls within the scope of PRN-2007-4.

The label submitted with the application has been stamped “Notification” and will be placed in our records.

Please be reminded that 40 CFR Part 156.140(a)(4) requires that a batch code, lot number, or other code identifying the batch of the pesticide distributed and sold be placed on non-refillable containers. The code may appear either on the label (and can be added by non-notification via PR Notice 98-10) or durably marked on the container itself.

If you have any questions, please contact Wanda Henson at (703) 308-6345 or by email at [henson.wanda@epa.gov](mailto:henson.wanda@epa.gov)

Sincerely,

A handwritten signature in blue ink that reads "Wanda J. Henson, for".

Demson Fuller, Product Manager 32  
Regulatory Management Branch I  
Antimicrobials Division (7510P)  
Office of Pesticide Programs

# SODIUM HYPOCHLORITE SOLUTION

For Industrial Use Only

DISINFECTANT, SANITIZER, BACTERICIDE, DEODORANT FOR FOOD  
PROCESSING PLANTS, DAIRY PLANTS, FARMS, HOTELS, RESTAURANTS,  
TAVERNS AND SWIMMING POOLS

### Active Ingredient

Sodium Hypochlorite .....12.5%  
Other Ingredients.....87.5%

KEEP OUT OF REACH OF CHILDREN

## DANGER

FIRST AID	
<b>If In Eyes</b>	<ul style="list-style-type: none"><li>• Hold eye open and rinse slowly and gently with water for 15 20 minutes.</li><li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li><li>• Flush with water for at least 15 minutes.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>
<b>If On Skin or Clothing</b>	<ul style="list-style-type: none"><li>• Take off contaminated clothing.</li><li>• Rinse immediately with plenty of water for 15 - 20 minutes.</li><li>• Wash with soap and water.</li></ul>
<b>If Swallowed</b>	<ul style="list-style-type: none"><li>• Call a poison control center or doctor immediately for treatment advice.</li><li>• Have person sip a glass of water if able to swallow.</li><li>• Do not induce vomiting unless told to do so by the poison control center or doctor.</li><li>• Do not give anything by mouth to an unconscious person.</li></ul>
<b>If Inhaled</b>	<ul style="list-style-type: none"><li>• Move person to fresh air.</li><li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth.</li></ul>
Have this product container label with you when calling the poison control center or doctor, or going for treatment.	
<b>Note to physician:</b> Probable mucosal damage may contraindicate the use of gastric lavage.	

Manufactured by  
COYNE CHEMICAL  
George S. Coyne Chemical Co., Inc.  
3015 State Road  
Croydon, PA 19021  
Telephone (215) 785-3000

### NOTIFICATION

41934-2

The applicant has certified that no changes, other than those reported to the Agency have been made to the labeling. The Agency acknowledges this notification by letter dated:

09/25/2019

EPA Reg. No. 41934-2

EPA Est. No. 41934-PA-001

Contents Include: Sodium Hypochlorite CAS # 7681-52-9, Water CAS# 7732-18-5

EMPTY CONTAINER WARNING – After this container is empty, it may still contain toxic residues and/or explosive vapors. Observe ALL labeled precautions.

PRECAUTIONARY STATEMENTS
<b>HAZARDS TO HUMANS AND DOMESTIC ANIMALS</b>
<b>DANGER</b> <b>Corrosive:</b> May cause severe skin 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. Vacate poorly ventilated areas as soon as possible. Do not return until strong odors have dissipated.
<b>Environmental Hazards</b>
This pesticide is toxic to fish and aquatic organisms. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or public waters unless this product is specifically identified and addressed in an NPDES permit. Do not discharge effluent containing this product to sewer systems without previously notifying the sewage treatment plant authorities. For guidance, contact your State Water Board or Regional Office of the EPA.
<b>Physical and Chemical Hazards</b>
<b>Strong Oxidizing Agent:</b> 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.

STORAGE AND DISPOSAL
<u>Do not contaminate food or feed by storage, disposal, or cleaning of equipment.</u>
<u><b>STORAGE:</b> Store this product in a cool, dry area away from direct sunlight and heat to avoid deterioration. In case of spill, flood areas with large quantities of water.</u>
<u><b>STORAGE CONTAINER:</b> Vented and opaque containers: The product should be stored in vented containers as pressure can build-up in the headspace (nitrogen). To maximize product shelf life, store in opaque containers in a cool, dry, well-ventilated area.</u>
<u><b>PESTICIDE DISPOSAL:</b> Product or rinsates that cannot be used should be diluted with water before disposal in a sanitary sewer.</u>
<u><b>CONTAINER HANDLING:</b></u>
<u>[Refillable container] Refill this container with Sodium Hypochlorite only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.</u>
<u>[For containers less than or equal to 5 gallons] Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Offer for reconditioning if</u>

appropriate. Triple rinse as follows: Empty remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

[30 and 55 gallon drums] Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Offer for reconditioning if appropriate. Triple rinse as follows: Empty remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times.

[275-300 gallon tote or IBC] Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Offer for reconditioning if appropriate. Triple rinse as follows: Empty the remaining contents from this container into application equipment or a mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.

~~**Refillable container.** Refill this container with Sodium Hypochlorite only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.~~

~~Store this product in a cool, dry area away from direct sunlight and heat to avoid deterioration. **IN CASE OF SPILL:** Flood areas with large quantities of water. Product or rinsates that cannot be used should be diluted with water before disposal in a sanitary sewer. Do not reuse container, place in trash collection. Do not contaminate food or feed by storage, disposal or cleaning of equipment.~~

## 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. To obtain the required level of available chlorine, use a chlorine test kit and increase dosage, as necessary.

## SWIMMING POOL WATER DISINFECTION

**For a new pool or spring start-up,** super chlorinate with 52 to 104 oz. of product for each 10,000 gallons of water to yield 5 to 10 ppm available chlorine with a test kit. Adjust and keep the pool water pH between 7.2 to 7.6. Adjust and maintain alkalinity of pool to between 50 to 100 ppm.

**To maintain the pool,** add manually or by a feeder device 11 oz. of product for each 10,000 gallons of water to yield an available chlorine residual between 0.6 to 1.0 ppm by weight. Stabilized pools should maintain residual available chlorine of 1.0 to 1.5 ppm. Frequently test pH, available chlorine

residual and alkalinity using appropriate test kits. Frequency of treatment depends on temperature and number of swimmers.

**Super chlorinate pool every 7 days, or as necessary** with 52 to 104 oz. of product for each 10,000 gallons of water to yield 5 to 10 ppm available chlorine by weight. Check the level of available chlorine with a test kit. Do not reenter pool until chlorine residual is between 1 to 3 ppm.

**At the end of pool season or when water is drained from pool**, chlorine must be allowed to dissipate from treated pool water before discharge. Do not chlorinate pool within 24 hours before discharge.

**Winterize pool** while water is still clear and clean and filter is running by adding 3 oz. of product for each 1,000 gallons of water to obtain 3 ppm available chlorine residual using test kit. Cover pool, prepare heater, filter and heater components for winter following manufacturers' instructions.

### **DISINFECTION OF POTABLE WATER (PUBLIC SYSTEMS)**

Add 1 oz. of product to every 100 gallons of water and mix thoroughly. Feed solution with a hypochlorinator and maintain free available chlorine between 0.2 to 0.6 ppm throughout distribution system. Check water frequently using a chlorine test kit. Conduct bacteriological sampling at a frequency no less than that prescribed by National Primary Drinking Water Regulations. (Contact your local Health Department for more details.)

### **SANITIZING NON-POROUS FOOD CONTACT SURFACE**

**Rinse Method** - Prepare a sanitizing solution by thoroughly mixing 2 oz. of product with 10 gallons of water for 200 ppm available chlorine by weight. Clean equipment surfaces in normal manner. Prior to use rinse all surfaces thoroughly with sanitizing solution and maintain contact with sanitizing solution for at least 2 minutes. Do not rinse equipment with water and do not soak overnight. Solution may not be reused for sanitizing mechanical operations.

### **SANITIZING POROUS FOOD CONTACT SURFACE**

**Rinse Method** - Prepare a 600 ppm sanitizing solution by thoroughly mixing 6 oz. of product with 10 gallons of water. Clean surfaces in the normal manner. Rinse all surfaces thoroughly with sanitizing solution and maintain contact for at least 2 minutes. Prepare a 200 ppm sanitizing solution by thoroughly mixing 2 oz. of product with 10 gallons of water. Prior to using equipment rinse all surfaces with the 200 ppm sanitizing solution. Do not rinse and do not soak overnight.

### **EGG SANITATION**

Clean shell of the eggs intended for food or food products, using 1 oz. of product for each 5 gallons of water for 200 ppm available chlorine by weight. The solution must be equal to or warmer than the eggs, but not exceed 130 degrees F. Thoroughly wet eggs with the diluted solution and allow to drain. All eggs sanitized with the diluted solution may be broken for use in the manufacture of egg products without a prior potable water rinse. Eggs must be reasonably dry before casing or breaking. Do not reuse solution for sanitizing eggs.

### **FOR USE IN COOLING TOWERS & EVAPORATIVE CONDENSER WATER**

When system is noticeably fouled, apply 52 to 104 oz. of product for each 10,000 gallons of water in system for 5 to 10 ppm available chlorine. Repeat process until control is achieved. For subsequent

doses when microbial control is evident, add 11 oz. of product for every 10,000 gallons of water in system for 1 ppm available residual chlorine. Badly fouled systems must be cleaned before treatment.