



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

MAR 11 2003

OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

Denise M. Charlton
Coyne Chemical
3015 State Road
Croydon, PA. 19021-6997

SUBJECT: December 6, 2002 Amendment
Sodium Hypochlorite Solution
EPA Registration Number 41934-2

Dear Ms. Charlton:

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, (FIFRA) as amended, is conditionally acceptable provided the following changes are made:

- Under Swimming Pool Water Disinfection delete the sentence "Adjust water's pH range to between 7.0 to 7.2 and maintain.
- Add (Public Systems) to Disinfection of Potable Water.
- Add 200 ppm to next to last sentence under Sanitizing Porous Food Contact Surfaces so that it reads "Prior to using equipment, rinse all surfaces with the 200 ppm sanitizing solution."

A copy of your amended conditional label is enclosed. Two copies of your revised finished labeling must be submitted to this Office prior to your release for shipment. If you have any questions regarding this letter, please call Tom Luminello of my staff at (703) 308-8075.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Tom Luminello", written over the typed name of Robert S. Brennis.

Robert S. Brennis,
Product Manager 32
Regulatory Management Branch II
Antimicrobial Division (7510-C)

Enclosure

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS & DOMESTIC ANIMALS

DANGER

CORROSIVE: 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.

ENVIRONMENTAL HAZARDS

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.

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.

STORAGE AND DISPOSAL

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 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.

PACKAGED BY



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

FOR INDUSTRIAL USE ONLY

SODIUM HYPOCHLORITE SOLUTION

DISINFECTANT, SANITIZER, BACTERICIDE, DEODORANT FOR
FOOD PROCESSING PLANTS, DAIRY PLANTS, FARMS, HOTELS,
RESTAURANTS, TAVERNS AND SWIMMING POOLS
ACTIVE INGREDIENT
SODIUM HYPOCHLORITE 12.5%
OTHER INGREDIENT 87.5%

KEEP OUT OF REACH OF CHILDREN
DANGER
FIRST AID

HAVE THIS PRODUCT CONTAINER LABEL WITH YOU WHEN CALLING THE POISON CONTROL CENTER OR DOCTOR, OR GOING FOR TREATMENT.

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 five minutes, then continue rinsing eye. Flush with water for at least 15 minutes. Call a poison control center or doctor for treatment advice.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse immediately with plenty of water for 15-20 minutes. Wash with soap and water.

IF SWALLOWED: Call 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.

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.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

EPA REGISTRATION NUMBER: 41934-2
EPA Est. NUMBER: 41934-PA-001
CONTENTS INCLUDE
SODIUM HYPOCHLORITE CAS # 7681-52-9
WATER CAS # 7732-18-5

FOR ASSISTANCE IN ANY EMERGENCY INVOLVING CHEMICALS CALL
CHEMTREC
1-800-424-9300
24 hours a day 7 days a week

EMPTY CONTAINER WARNING -

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

BEFORE USING READ AND UNDERSTAND MATERIAL SAFETY DATA SHEET

DIRECTIONS FOR USE (cont.)

SWIMMING POOL WATER DISINFECTION:

For new pool or spring start-up super-chlorinate with 52-104 oz of product for each 10,000 gals of water to yield 5-10 ppm available chlorine with a test kit. Adjust and keep the pool water pH between 7.2-7.6. Adjust and maintain alkalinity of pool between 50-100 ppm. To maintain pool add manually or by feeder device 11 oz of product for each 10,000 gals of water to yield an available chlorine residual between 0.6-1.0 ppm by weight. Adjust water's pH range to between 7.0-7.2 and maintain. Stabilized pools should maintain residual available chlorine of 1.0-1.5 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 52-104 oz of product for each 10,000 gals of water to yield 5-10 ppm available chlorine by weight. Check the level of available chlorine with a test kit. Do not reenter pool until chlorine residual is between 1-3 ppm. At the end of pool season or when water is drained from pool, chlorine must be allowed to dissipate from treated pool before discharge. Don't 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 1000 gals of water to obtain 3 ppm available chlorine residual using test kit. Cover pool, prepare heater, filter and heater components for winter following manufacturer instructions.

DISINFECTION OF POTABLE WATER (Public Systems)

Add 1 oz of product to every 100 gals of water and mix thoroughly. Feed solution with a hypo-chlorinator and maintain free available chlorine between 0.2-0.6 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 gals 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 gals 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 sanitizing solution. Do not rinse and do not soak overnight.

EGG SANITATION 200 ppm

Clean shell of the eggs intended for food or food products, using 1 oz of product for each 5 gals of water for 200 ppm available chlorine by weight. The solution must be equal to or warmer than the eggs, but not exceed 130 deg 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 52-104 oz of product for each 10,000 gals of water in system for 5-10 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 gals of water in system for 1 ppm available residual chlorine. Apply as needed to maintain control and keep chlorine residual at 1 ppm. Badly fouled systems must be cleaned before treatment.

DO NOT ROLL ON SIDE
THIS END UP

delete

(Public Systems)

CORR

ACCEPTED WITH COMMENTS

MAR 11 2003

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DOT SHIP
HYPOCHLORITE SOL