

6785-4

1-14-2008

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Washington, D.C. 20460

January 14, 2008

OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

Corey L. Roberts
Director Corporate Safety
Brenntag Mid-South, Inc.
1405 Highway 136 West (42420)
PO Box 20
Henderson, KY 42419-0020

Subject: Sodium Hypochlorite Solution 12.5%
EPA Registration No. 6785-4
Application Date: October 18, 2007
Receipt Date: October 29, 2007

Dear Mr. Roberts:

The following amendment, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is acceptable:

revisions in response to Agency letter dated 9/05/2007

General Comments

A stamped copy of the accepted labeling is enclosed. Submit 1 copy of your final printed label before distributing or selling the product bearing the revised labeling.

Should you have any questions of comments concerning this letter, please contact Wanda Henson at 703-308-6345.

Sincerely,

Emily H. Mitchell
Product Manager 32
Regulatory Management Branch II
Antimicrobials Division (7510P)

CONCURRENCES

SYMBOL	7510P	7510P					
URNAM	EkBerg	Henson					
DATE	1/14/08	1/14/08					

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Amount of Water	Available Chlorine	12.5%
1000 Gallons	3 ppm	3 oz.
1000 Gallons	5 ppm	5 oz.

SPAS AND HOT-TUBS

Apply 5 oz. of product per 1000 gallons of water to obtain a free available chlorine concentration of 5 ppm, as determined by a suitable chlorine test kit. Adjust and maintain pool water pH to between 7.2 and 7.6. Some oils, lotions, fragrances, cleaners, etc. may cause foaming or cloudy water as well as reduce the efficiency of the product.

To maintain the water, apply 5 oz. of product per 1000 gallons of water over the surface to maintain a chlorine concentration of 5 ppm.

After each use, shock treat with 8 oz. of this product per 500 gallons of water to control odor and algae.

During extended periods of disuse, add 3 oz. of product daily per 1000 gallons of water to maintain a 3 ppm chlorine concentration.

Re-entry into treated pools is prohibited at levels above 5 ppm due to risk of bodily harm.

ACCEPTED

JAN 14 2008

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide, registered under EPA Reg. No. 6785-4



CERTIFIED TO ANSI/NSF 60. MAXIMUM USE FOR POTABLE WATER 84 mg/L

6/2007



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 obtain the required level of available chlorine.

DILUTION CONVERSION CHART FOR SODIUM HYPOCHLORITE SOLUTION 12.5%
Public Systems: Disinfection of drinking water: Mix a ratio of 1 oz. to 2000 gallons of water to provide at least 0.2 ppm and no more than 0.6 ppm. Individual water system: Emergency disinfection: 8 drops to 20 gallons of water.

Amount of Water	Available Chlorine	12.5%
2000 Gallons	0.2 to 0.6 ppm	1 oz.
20 Gallons	0.2 to 0.6 ppm	8 drops

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 but place in trash collection. Do not contaminate food or feed by storage, disposal or cleaning of equipment.

COMMERCIAL LAUNDRY SANITIZERS

Wet fabrics or clothes should be sent dry prior to sanitization. Thoroughly mix 2 oz. of this product with 10 gallons of water to yield 200 ppm available chlorine. Promptly after mixing the sanitizer, add the solution into the pre-wash prior to washing fabrics/clothes in the regular wash cycle with a good detergent. Test the level of available chlorine, if solution has been allowed to stand. Add more of this product if the available chlorine level has dropped below 200 ppm.

SEWAGE AND WASTEWATER TREATMENT

EFFLUENT SLIME CONTROL: Apply a 100 to 1000 ppm available chlorine solution at a location which will allow complete mixing. Prepare this solution by mixing 10 to 100 oz. of this solution. Prepare this solution by mixing 3 oz. of this product with 100 gallons of water.

FILTER BEDS - SLIME CONTROL: Remove filter from service, drain to a depth of 1 ft. above filter sand, and add 80 oz. of product per 20 sqft evenly over the surface. Wait 30 minutes before draining water to a level that is even with the top of the filter. Wait for 4 to 6 hours before completely draining and backwashing filter.

PUBLIC WATER SYSTEMS

RESERVOIRS-ALGAE CONTROL: Hypochlorite streams feeding the reservoir. Suitable feeding points should be selected on each stream at least 50 yards upstream from the points of entry into the reservoir.

MAINS: Thoroughly flush section to be sanitized by discharging from hydrants. Permit a water flow of at least 2.5 feet per minute by pressure under pressure while injecting this product by means of a hypochlorinator. Stop water flow when a chlorine residual test of 60 ppm is obtained at the low pressure end of the new main section after a 24 hour retention time. When chlorination is completed, the system must be flushed free of all heavily chlorinated water.

NEW TANKS, BASINS, ETC.: Remove all physical soil from surfaces. Place 20 oz. of this product for each 5 cubic feet of working capacity (500 ppm available chlorine). Fill to working capacity and allow to stand for at least 4 hours. Drain and flush with potable water and return to service.

NEW FILTER SAND: Apply 8 oz. of this product for each 150 to 200 cubic feet of sand. The action of the product dissolving as the water passes through the bed will aid in sanitizing the new sand.

NEW WELLS: Flush the casing with a 50 ppm available chlorine solution of water containing 5 oz. of this product for each 100 gallons of water. The solution should be pumped or fed by gravity into the well after thorough mixing with agitation. The well should stand for several hours or overnight under chlorination. It may then be pumped until a representative raw water sample is obtained. Bacterial examination of the water will indicate whether further treatment is necessary.

PUBLIC WATER SYSTEMS (CONTINUED)

EXISTING EQUIPMENT: Remove equipment from service, thoroughly clean surfaces of all physical soil. Sanitize by placing 21 oz. of this product for each 5 cubic feet capacity (approximately 500 ppm available chlorine). Fill to working capacity and let stand at least 4 hours. Drain and place in service. If the previous treatment is not practical, surfaces may be sprayed with a solution containing 5 oz. of this product for each 5 gallons of water (approximately 1000 ppm available chlorine). After drying, flush with water and return to service.

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 0.6 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 Interim Primary Drinking Water Regulations. Contact your local Health Department for further details.

AUTHORIZED BY USDA FOR USE IN FEDERALLY

INSPECTED MEAT AND POULTRY PLANTS

Chlorine may be present in processing water of meat and poultry plants at concentrations up to 5 parts per million (ppm) calculated as available chlorine. Also chlorine may be present in poultry chiller intake water, and in carcass wash water at concentrations up to 50 parts per million calculated as available chlorine. Chlorine must be dispensed at a constant and uniform level and the method or system must be such that a controlled rate is maintained. Thoroughly mix 1 oz. of this product in 200 gallons of water to make a sanitizing solution of 5 ppm available chlorine, or 10 oz. in 200 gallons of water for 50 ppm available chlorine.

SWIMMING POOL WATER DISINFECTION

For a new pool or spring start-up, superchlorinate 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. 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 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 a residual of 1.0 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 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 the chlorine residual is between 1.0 to 3.0 ppm.

Re-entry into treated pools is prohibited at levels above 4 ppm due to risk of bodily harm. 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 product per 1000 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.

Dosage of Spas/Hot-Tubs maintain dosage 5 oz. of product per 1000 gallons of water to provide 5 ppm available chlorine. Shock treat dosage 8 oz. of product per 500 gallons of water. Daily use of product 3 oz. per 1000 gallons of water.

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SODIUM HYPOCHLORITE SOLUTION 12.5%

BLEACHES AND DISINFECTS

Active Ingredient - Sodium Hypochlorite	12.5%
Other Ingredients	87.5%
Total	100%

Available Chlorine 11.9%

KEEP OUT OF REACH OF CHILDREN

DANGER

FIRST AID

Call a poison control center or doctor immediately for treatment advice.

"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 5 minutes, then continue rinsing eye. **"If on Skin or Clothing"**, Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. **"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, if possible. **"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.

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 and clothing. Wear goggles or safety glasses and rubber gloves when handling this product. Wash after handling. Avoid breathing vapors. Remove and wash contaminated clothing before reuse. Vacate poorly ventilated areas as soon as possible. Do not reenter 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 other waters unless in accordance with the requirements of a National Pollutant 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 guidance contact your state 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.

BRENNTAG MID-SOUTH, INC.

**P.O. BOX 20
HENDERSON, KY 42419-0020**

FOR EMERGENCIES PHONE 270-830-1222

EPA Reg. No. 5785-4

NET CONTENTS

GALLONS

EPA ESTABLISHMENT NUMBER

5785-

- IL-1 KY-3 WV-2
- IN-1 TN-1
- IN-2 TN-2
- KY-1 FL-1
- KY-2 WV-1

For the following supplemental uses, contact your supplier for descriptive information.

1. Sanitization of nonporous food contact surfaces.
2. Sanitization of porous food contact surfaces.
3. Sanitization of nonporous non-food contact surfaces.
4. Disinfection of nonporous non-food contact surfaces.
5. Sanitization of porous non-food contact surfaces.
6. Emergency disinfection after main breaks.
7. Cooling tower/evaporate condenser water.
8. Pulp and paper mill process water systems.
9. Sanitizing dairy, meat, poultry, shell egg product processing equipment.
10. Shell egg sanitizing compounds.
11. Disinfection of individual drinking water systems.
12. Sanitizer for components of paper and paperboard for aqueous and fatty foods.
13. Sewage & wastewater effluent treatment.
14. Laundry Sanitizers/Household Laundry Sanitizers.
15. Commercial laundry sanitizers.
16. Farm premises
17. Agricultural uses.