

84697-1

8/26/2011

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

AUG 26 2011

OFFICE OF
CHEMICAL SAFETY
AND POLLUTION PREVENTION

William Yankle
GS Liquid Technologies, LLC
601 West Industrial Building, P.O. Box 3185
Cleburne, Texas 76033

Subject: **Regular Scent Bleach**
EPA Registration No. 84697-1
Application Date: 03/28/2011
Receipt Date: 04/07/2011

Dear Mr. Yankle:

The following amendment, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) 3 (c) 7 A as amended, is acceptable with conditions.

Proposed Amendment:

- Add additional uses to include public health statements

Data Summary

Data Requirement	Means of Support	Status
Staphylococcus aureus (ATCC 6538)	Submitted study, MRID 484454-01	Acceptable @ 5 min
Salmonella enteric (ATCC 10708)	Submitted study, MRID 483395-01	Acceptable @ 5 min
Pseudomonas aeruginosa (ATCC 15442)	Submitted study, MRID 483627-01	Acceptable @ 5 min
Escherichia coli O157:H7 (ATCC 35150)	Submitted study, MRID 484454-02	Acceptable @ 5 min
Streptococcus pyogenes (ATCC 14289)	Submitted study, MRID 484454-02	Acceptable @ 5 min
Trichophyton mentagrophytes (ATCC 9533)	Submitted study, MRID 484454-03	Acceptable @ 5 min
Aspergillus niger (ATCC 6275)	Submitted study, MRID 484454-03	Acceptable @ 5 min
Human influenza A virus	Submitted study, MRID 484454-04	Acceptable @ 5 min
Rhinovirus type 37 (ATCC VR-1147)	Submitted study, MRID 484454-05	Acceptable @ 5 min
Avian influenza virus H5N1 (NIBRG-14)	Submitted study, MRID 484454-06	Acceptable @ 5 min

Conditions

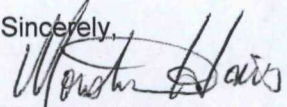
Revise Label as follows:

1. Revise and qualify the cold claim on page 2 to read "Rhinovirus." To support unqualified cold claim, efficacy data is required against Rhinovirus, Respiratory Syntcytial Virus (RSV) and Coronavirus.

General Comments

A stamped label with conditions is enclosed for your records. Submit (1) one final printed label bearing the revised labeling prior to selling or distributing the product.

Should you have any questions concerning this letter, you may contact me by telephone at (703) 308-0410 or by email at Harris.Monisha@epa.gov or Jaclyn Carl at (703) 347-0213 or by email at carl.jaclyn@epa.gov during the hours of 8:00 am to 4:00 pm EST. When submitting information or data in response to this letter, a copy of this letter should accompany the submission to facilitate processing.

Sincerely,


Monisha Harris
Product Manager (32)
Regulatory Management Branch II
Antimicrobials Division (7510P)

**Enclosed: Stamped Label
Efficacy Review**

30410

GS LIQUID TECHNOLOGIES, LLC
LABEL SUBMISSION

{MASTER LABEL}

Regular Scent Bleach

Disinfects, Sanitizes, Deodorizes

ACTIVE INGREDIENT:

Sodium Hypochlorite 6.0%
Other Ingredients 94.0%
Total 100.0%

CONTAINS NO PHOSPHORUS

EPA REG. NO. 84697-1

EPA Est. 84697-TX-001

DISTRIBUTED BY: GS Liquid Technologies, LLC
Cleburne, Texas 76033

ACCEPTED
with COMMENTS
in EPA Letter Dated:

AUG 26 2011

Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
amended, for the pesticide,
registered under EPA Reg. No. 84697-1

100% UPC SYMBOL
FOR POSITION ONLY

o 00000 00000 o
SODIUM HYPOCHLORITE

NET 96 FL OZ (3 QT) 2.84 L

NET 128 FL OZ. (1 GAL) 3.78 L

KEEP OUT OF REACH OF CHILDREN

DANGER

FIRST AID: Call a poison control center or doctor for treatment advice. Have the product container or label with you when calling a Poison Control Center at 1-800-222-1222 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 5 minutes, then continue rinsing the eye.
IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin with plenty of water for 15-20 minutes.
IF SWALLOWED: Drink large amounts of water. Do not induce vomiting. Call a physician or poison control center immediately. Do not give anything by mouth to an unconscious person.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage. See back panel for additional precautionary labeling.

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

DANGER: CORROSIVE. Causes severe eye and irritation or chemical burns to broken skin. Causes eye damage. Wear safety glasses or goggles and rubber gloves when handling product. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse. Harmful if absorbed through skin. 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. {For 96 oz package. Greater than 5 gallon sizes require complete statement}. Do not discharge effluent containing this product into lakes, streams, pools, 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 the 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 Water Board or Regional Office of the EPA.

PHYSICAL AND CHEMICAL HAZARDS

Strong Oxidizer. Flush drains before and after use. DO NOT use or mix with other household chemicals, such as toilet bowl cleaners, rust removers, acids or ammonia containing products. To do so will release hazardous gases. Prolonged contact with metal may cause pitting or discoloration.

Kills 99.9% of Common Household Germs*

Kills Viruses that cause Colds and Flu†**

†*Kills common household germs including: Staphylococcus aureus, Streptococcus pyogenes, Salmonella enterica, Pseudomonas aeruginosa, Trichophyton mentagrophytes (Athlete's foot fungus), Escherichia coli

(O157:H7) and Aspergillus niger, **Influenza A virus, and **Rhinovirus type 37 ** Also kills Avian Flu virus

DIRECTIONS FOR USE: It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

This product degrades with age. Use a chlorine test kit and increase dosage as necessary to obtain the required level of available chlorine.

HOUSEHOLD USE

TO DISINFECT AND DEODORIZE KITCHEN, DISHES, SINKS:

Use 1/4 cup bleach mixed with a quart of water to soak cleaned dishes, teapot, cups, sinks, etc. for 5 minutes. Rinse with a solution of approximately 1 Tbsp. of bleach per Gallon of water to prepare a 200 ppm solution. Do not use on silverware. Bleach solution can be used on glazed porcelain, baked enamel, etc. surfaces after cleaning. Let air dry.

DISINFECTING AND DEODORIZING BATHROOMS:

To disinfect, deodorize and eliminate mold and mildew from washable surfaces such as tubs, showers, counter tops, sinks, glazed ceramic tile and vinyl flooring, spread a solution of 1-1/2 cups of this product per 2 Gallons of water on clean surface. Let stand 5 minutes, then drain. The product is effective as a disinfectant and mildewcide in the presence of 400 ppm hard water and in the presence of a 5% organic soil load.

TOILET BOWLS:

To sanitize and deodorize pre-cleaned toilet bowls, use 1 cup of this product. Flush, pour in bleach - swab with brush, making sure to get under the rim. Let stand for 10 minutes. Flush. DO NOT use with bowl cleaners or any other household chemicals.

LAUNDRY USE

Before adding clothes, mix 3/4 cup of bleach with water in top-loading 16 Gallon machines or mix 1/3 cup bleach with water in front-loading 8 Gallon machines. For large top loading automatics or larger heavily soiled loads, use 1-1/4 cup. Add clothes. Wash and rinse with usual cycles.

DO NOT use on Acetate, Leather, Silk, Spandex, Wool, Mohair or non-fast colors.

TO REMOVE STAINS:

Mix 1/4 cup of bleach with a gallon of water. Soak stained area for 5 minutes to remove grass, ink, coffee, tea, scorch, fruit, etc. Rinse thoroughly.

LAUNDRY SANITIZERS

Household Laundry Sanitizers

IN SOAKING SUDS - Thoroughly mix 2 ounces of this product to 10 gallons of wash water to provide 200 ppm available chlorine. Wait 5 minutes, then add soap or detergent. Immerse laundry for at least 11 minutes prior to starting the wash/rinse cycle.

IN WASHING SUDS - Thoroughly mix 2 oz. of this product to 10 gallons of wash water containing clothes to provide 200 ppm available chlorine. Wait 5 minutes, then add soap or detergent and start the wash/rinse cycle.

Commercial Laundry Sanitizers

Wet fabrics or clothes should be spun 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 prewash 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.

DO NOT USE on Acetate, Leather, Silk, Spandex, Wool, Mohair or non-fast colors.

COMMERCIAL USES

WAREWASHING:

For Sanitizing Tableware in Low Temperature Dishwashers. Dispense this product into final rinse water at 100 ppm available chlorine. Do not allow concentration of all below 50 ppm. Allow to air dry. Dispenser should be set to deliver 6.5 cc of sanitizing solution per gallon of water to give 100 ppm of available chlorine. Only a qualified service representative should set or adjust dispenser on the machine.

SEWAGE & WASTEWATER TREATMENT

EFFLUENT SLIME CONTROL: Apply a 50 to 500 ppm available chlorine solution at a location which will allow complete mixing. Prepare this solution by mixing 5 to 50 oz. of this product with 100 gallons of water. Once control is evident, apply a 15 ppm available chlorine solution. Prepare this solution by mixing 1 oz. of this product with 100 gallons of water.

FILTER BEDS-SLIME CONTROL: Remove filter from service, drain to a depth of 1 foot above filter sand and add 40 oz. of product per 20 sq.ft. evenly over surface. Wait 30 minutes before draining water to a level that is even with the top of the filter. Wait 4-6 hours before completely draining and backwashing filter.

**DISINFECTION OF DRINKING WATER
(EMERGENCY/PUBLIC/INDIVIDUAL SYSTEMS)**

PUBLIC SYSTEMS Mix a ratio of 1/2 oz. of this product to 100 gallons of water. Begin feeding this solution with a hypo-chlorinator 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 Primary Drinking Water Regulations. Contact your local Health Department for further details.

INDIVIDUAL SYSTEMS: DIG 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 1/2 oz. of this product into 10 gallons of water. After covering the well, pour the sanitizing solution into the well through both the pipe sleeve 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 1/2 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 sanitizer into the rock formation. Wash the exterior of pump cylinder with the sanitizer. Drop pipeline into 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 analyses indicate persistent contamination, the well must 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 2 drops 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 water to stand an additional 15 minutes. Treated water can then be made palatable by pouring it between clean containers several times.

PUBLIC WATER SYSTEMS

RESERVOIRS: ALGAE CONTROL Hypo-chlorinate 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 to continue under pressure while injecting this product by means of a hypo-chlorinator. Stop water flow when a chlorine residual test of 50 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 10 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 surface.

NEW FILTER SAND Apply 40 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 2.5 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.

EXISTING EQUIPMENT Remove equipment from service, thoroughly clean surfaces of all physical soil. Sanitize by placing 10 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 2.5 oz. of this product

for each 5 gallons of water (approximately 1000 ppm available chlorine). After drying, flush with water and return to service.

COOLING TOWER/EVAPORATIVE CONDENSER WATER SLUG FEED METHOD

Initial dose: When system is noticeably fouled, apply 52 to 104 oz. of this product per 10,000 gallons of water in the system to obtain from 5 to 10 ppm available chlorine. Repeat until control is achieved.

Subsequent dose: When microbial control is evident, add 11 oz. of this product per 10,000 gallons of water in the system daily, or as needed to maintain control and keep the chlorine residual at 1 ppm. Badly fouled systems must be cleaned before treatment is begun.

INTERMITTENT FEED METHOD

Initial dose: When system is noticeably fouled, apply 26 to 52 oz. of this product per 10,000 gallons of water in the system to obtain from 5 to 10 ppm available chlorine. Apply half (or 1/3, 1/4, or 1/5) of this initial dose when half (or 1/3, 1/4, or 1/5) of the water in the system has been lost by blow down.

Subsequent dose: When microbial control is evident, add 5 oz. of this product per 10,000 gallons of water in the system to obtain a 1 ppm residual. Apply half (or 1/3, 1/4, or 1/5) of this initial dose when half (or 1/3, 1/4, or 1/5) of the water in the system has been lost by blowdown. Badly fouled systems must be cleaned before treatment is begun.

CONTINUOUS FEED METHOD

Initial dose: When system is noticeably fouled apply 26- 52 oz. of product per 10,000 gallons of water in the system to obtain 5-10 ppm available chlorine.

Subsequent dose: Maintain treatment level by starting a continuous feed of 10z. of product per 1,000 gallons of water lost by blow down to maintain a 1 ppm residual. Badly fouled systems must be cleaned before treatment is begun.

STORAGE AND DISPOSAL:

Do not contaminate water, food, or feed by storage and disposal.

PESTICIDE STORAGE: Store 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.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency,

or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

CONTAINER HANDLING: Nonrefillable container. Do not reuse or refill this container. Product or rinsates that cannot be used must be diluted with water before disposal in a sanitary sewer. Offer for recycling if available or place in trash collection. Do not contaminate food or feed by storage, disposal, or cleaning of equipment.

KEEP BOTTLE UPRIGHT AND TIGHTLY CAPPED

<OPTIONAL>

Staphylococcus aureus (ATCC 6538)

Streptococcus pyogenes (ATCC 14289)

Salmonella enterica (ATCC 10708)

Pseudomonas aeruginosa (ATCC 15442)

Trichophyton mentagrophytes (ATCC 9533)

Escherichia Coli O157:H7 (ATCC 35150)

Aspergillus niger (ATCC 6275)

Influenza A virus StrainA/California/04/09; (obtained from Charles River Laboratories)

Rhinovirus type 37 (ATCC VR-1147)

Avian Flu Virus H5N1 (NIBRG-14; obtained from Charles River Laboratories)