

777-83

11/21/2002

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

NOV 21 2002

Mr. Bruce Paoella
Reckitt Benckiser, Inc.
1655 Valley Road
Wayne, New Jersey 07474

Subject: Lysol Brand Disinfectant Bleach Plus
EPA Registration Number 777-83
Application Date: May 28, 2002
Receipt Date: May 31, 2002

Dear Mr. Paoella:

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

- To add sanitization claims

Conditions

Revise the label as follows:

- Page 2 of the submitted label states: "Kills (Eliminates) Salmonella choeraesuis ..." This should be changed to state: "Kills (Eliminates) Salmonella choleraesuis..."
- Page 3 of the submitted label states that this product kills "Rhinovirus Wa" and "Rotovirus 39". This should be changed to state that this product kills "Rhinovirus type 39" and Rotovirus Wa".
- Page 3 of the submitted label states: "Rinse food contact surfaces with potable water." This statement implies that this product is approved for use as a food contact surface sanitizer. This product has *not* been approved as a food contact surface sanitizer. This statement must be removed.
- Paragraph 2 of page 4 states that this product may be used on kitchen appliances. This should be revised to state that this product may be used on the **outside** of kitchen appliances. This applies to paragraph 2 and any other place on the product label.

CONCURRENCES

CONCURRENCES							
SYMBOL							
SURNAME							
DATE							

5. Page 7, 4(a) of the submitted label lists several species of bacteria against which this product is claimed to be an effective sanitizer. The following must be removed from that list because there has been no data submitted to support sanitization claims against them:

Streptococcus pyogenes
Escherichia coli 0157:H7

Klebsiella pneumoniae

Labeling claims against these three organisms are not acceptable anywhere on the product label until the Agency has approved data to support claims against these organisms.

6. Page 9 of the submitted label states that this product may be used as a disinfectant and/or sanitizer in kitchens and butcher shops. The label should include an asterisk by such statements and a claim that this product has not been approved for use on food-contact surfaces.
7. The product label should have separate and distinct directions for disinfection and sanitization.
8. Page 2 of the submitted label has the statements:

A "Use regularly to help keep your home healthy." and
B "Help keep your home a healthier place."

These statements are inappropriate and must be removed.
9. Page 2 of the submitted label has the statement: "Safe for plumbing and septic systems." The use of the word "safe" is not acceptable for use on pesticide labels. Find some other wording to express this statement.
10. The bottom of page 8 of the submitted label states: "Helps protect you family from illness causing germs". This statement is inadmissible and must be removed.

General Comments

A stamped copy of the accepted labeling is enclosed. Submit three (3) copies of your final printed labeling before distributing or selling the product bearing the revised labeling.

Should you have any questions or comments concerning this letter, please contact Delores Williams at (703) 308-6372.

Sincerely,

A handwritten signature in black ink, appearing to read "R. Brennis". The signature is fluid and cursive, with a large initial "R" and a long, sweeping tail.

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

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Front Panel

(Cleans) (and) (Shines) (Disinfects) (Deodorizes)
 (Fresh Clean Scent) (Clean Fresh Scent)
 Deep Down Clean!
 Cleans as it disinfects
 All Purpose Cleaner with Bleach for Kitchen(s) & Bath(s)
 Cleans everyday toilet dirt and grime on exterior of the bowl
 Removes tough spots and stains
 Cleans greasy dirt better than ordinary bleach alone
 Kills odor causing germs / Kills (household) germs
 Kills (eliminates) (removes) mold and mildew
 Whitens and removes mold (stains) and mildew stains
 Cleans everyday toilet dirt and grime
 Use daily to help maintain a clean, fresh & shiny bowl exterior and under the rim.
 Thick formula cuts through dirt, grease and stains.
 Cleans with the power of bleach
 Nonabrasive formula
 Whitens (Brightens) your toilet bowl
 All Purpose Cleaner / Toilet Bowl Cleaner
 Power of Bleach, Confidence of Lysol
 Disinfectant Power of Lysol / Economy Size

**ACCEPTED
 with COMMENTS
 EPA Letter Dated:**

NOV 21 2002

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

777-83

Active Ingredients:	Sodium Hypochlorite	2.0%
	Inert Ingredients*	98.0%
	Total	100.0%

*Including nonionic (Nonionic/Anionic) surfactant (s) (cleaning agents) (detergents and other grease cutting agents) (and fragrance)

KEEP OUT OF REACH OF CHILDREN

WARNING

Eye and Skin irritant. See additional precautions on back label.
 Use only in well ventilated areas.

- Net wt. 17 Fl. oz. (1 Pt. 1oz.) 502 ml
- 22 Fl. oz. (1 Pt. 6 oz.) 650 ml
- 24 Fl. oz. (1 Pt. 8oz.) 709ml
- 26 Fl. oz. (1 Pt. 10 oz.) 768 ml
- 28 Fl. oz. (1 Pt. 12 oz.) 827 ml
- 32 Fl. oz. (1Qt.) 946 ml
- 36 Fl. oz. (1 Qt. 4 oz.) 1064 ml (1.06 liters)
- 40 Fl. oz. (1Qt. 8 oz.) 1182 ml (1.18 liters)
- 64 Fl. oz. (2Qt.) 1892 ml (1.89 liters)
- 128 Fl. oz. (1 Gal.) 3784 ml (3.79 liters)

Back Panel

Lysol® Brand Foaming Disinfectant Bleach Plus (This Product) meets AOAC Use-Dilution efficacy test standards for Hospital type disinfection (Hospital Disinfectants).

Contains a powerful detergent cleaner plus chlorine bleach.

Removes tough (food stains) (and) (mildew stains) (and) (soap scum).

Removes greasy dirt better than bleach alone.

Whitens and removes stains and greasy dirt.

Disinfects, deodorizes and kills (eliminates) odor-causing germs.

Kills (eliminates) germs (mold) (and) (mildew).

Removes soap scum.

Has a (clean) (fresh)(pleasant) scent.

Great for everyday (cleaning), (deodorizing) (and) (disinfecting).

Powers out greasy dirt, mildew stains and tough food stains.

Removes mildew stains and soap scum.

Use regularly for maximum home hygiene.

~~Use regularly to help keep your home healthy.~~

~~Help keep your home a healthier place.~~

Thick liquid coats the bowl for better cleaning.

Nonabrasive formula won't scratch your bowl.

Nonabrasive formula rinses away easily.

Safe for plumbing and septic systems.

Kills (Eliminates) Staphylococcus aureus (Staph aureus) Salmonella choleraesuis (Salmonella), mold and mildew, Trichophyton mentagrophytes (athlete's food fungus) Rotovirus Wa, Rhinovirus 39.

Kills (Eliminates) Salmonella choereasuis, Staphylococcus aureus, Enterococcus (Streptococcus) faecalis, Pseudomonas aeruginosa, mold and mildew (Aspergillus niger), Trichophyton mentagrophytes (athlete's food fungus), Influenza A₂ (Japan 305/57), Herpes Simplex virus type 1 and type 2, Respiratory Syncytial Virus (RSV) Rhinovirus Wa, Rotovirus 39, And Human Immunodeficiency virus type I (HIV-I) (AIDS virus).

For use in: Food Service, Hotel, Motels, Restaurants, Office Buildings, Health Clubs, Schools, Health Care Facilities, and Nursing Homes.

Developed for food service and general housekeeping.

Use on: Countertops, Floors, Appliances, Glazed Ceramic Tile, sealed grout, tubs, sinks, toilet bowls, and many other hard non-porous surfaces.

Cuts through tough food stains and greasy soils on walls, sinks, counters, cutting surfaces, food carts, stove tops, exteriors of appliances, no-wax floors, quarry tile, and ceramic tile.

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On hard nonporous surfaces, this product kills the following bacteria, fungi and viruses such as:

Bacteria:

Salmonella choleraesius
Staphylococcus aureus
Enterococcus (Streptococcus) faecalis
Pseudomonas aeruginosa

Fungi:

Aspergillus niger
Trichophyton mentagrophytes (Athlete's foot fungus)

Virus:

Influenza A₂ (Japan 305/57)
Herpes Simplex virus type 1
Herpes Simplex virus type 2
Herpes Simplex virus type 1 and type 2
Respiratory Syncytial Virus (RSV)
Rhinovirus Wa
Rotovirus 39
Human Immunodeficiency virus type 1 (HIV-I) (AIDS virus)

~~Removes general soils, mildew stains, mold stains, and soap scum from sinks, toilets, bathtubs, showers, shower stalls, shower curtains, no-wax floors, quarry tile and ceramic tile. Whitens grout in bathtubs, shower stalls, floors and walls.~~

Removes general soils, mildew stains, mold stains, and soap scum from sinks, toilets, bathtubs, showers, shower stalls, shower curtains, no-wax floors, quarry tile and ceramic tile. Whitens grout in bathtubs, shower stalls, floors and walls.

Use (Product Name) on bathtubs, shower curtains, glazed tile exterior of toilet bowls, sinks, counters, and grout in floors and (tiled) walls.

Effective. Cleans, shines (and) (disinfects) (and deodorizes) (washable) bathroom(s) (restroom) (surfaces) (and) (fixtures) around the home, in schools and other public places.

DIRECTIONS FOR USE:

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

General Cleaning and Stain Removal: Apply (this product) with damp sponge, mop, brush, or cloth to counter tops, sinks, bathtubs (tubs), showers, (shower stalls) glazed tiles, fiberglass, vinyl no-wax floors, quarry tile and ceramic tile, (kitchen) appliances and food carts. Wipe clean and rinse. If deposits are heavy or to enhance whitening of cutting surfaces or grout, allow solution to remain on surface for 3-5 minutes. Scrub if necessary. Rinse immediately after use on metal. Use (This product) full strength or diluted as directed below.

Apply Carefully – Contains Bleach

(This Product) cleans and disinfects kitchen and bathroom surfaces, including stove tops, counters, exterior of appliances, no-wax floors, sinks, tubs, toilets, and glazed tile(s).

(For Pourable Container:)

To clean and disinfect surfaces, apply full strength with a damp sponge or cloth onto surface to be cleaned, or apply product directly onto surface to be cleaned. Let stand 5 minutes. Wipe clean and rinse.

To clean and disinfect no-wax floors, mix 1 cup (8 oz.) of product per 1 gallon of water, mop clean and let stand 5 minutes. Rinse for the best shine.

To Clean and Disinfect Toilet Bowls, follow these easy steps:

1. Flush toilet to remove any excess dirt.
2. Direct (Add) ¼ cup (6 oz.) of product inside bowl to completely coat the sides of the bowl and under the rim. Clean up spills and drips immediately. Replace cap securely.
3. Let soak for at least 5 minutes. Do not close toilet bowl lid.
4. Brush entire bowl to wet surfaces thoroughly, including under the rim, and flush.
5. Rinse brush in fresh water after use. Repeat if necessary.

(For Trigger Spray Container:)

Turn nozzle counter clockwise to open. Spray 4-6 inches away from surface to be cleaned. Let stand for 5 minutes. Wipe clean and rinse. If the vapors bother you, leave the room while the product is working. If the last portion of product is difficult to dispense, turn the trigger 180 degrees to face opposite direction. This will help ensure full use of contents.

(For Child Resistant Cap:)

TO OPEN CHILD RESISTANT CAP: Hold bottle firmly with one hand on a flat surface. With other hand, squeeze sides of cap where symbols indicate and turn counterclockwise. AVOID SQUEEZING BOTTLE WHEN OPENING. To reseal, turn cap clockwise until tightly closed.

Kills Human Immunodeficiency Virus Type I (HIV-I) (AIDS Virus) on precleaned, environmental surfaces/objects previously soiled with blood/body fluids in health care settings or other settings in which there is an expected likelihood of soiling of inanimate surfaces/objects with blood or body fluids, and in which the surfaces/objects likely to be soiled with blood or body fluids can be associated with the potential for transmission of HIV-I (associated with AIDS).

SPECIAL INSTRUCTIONS FOR CLEANING AND DECONTAMINATION AGAINST HIV-I OF SURFACES/OBJECTS SOILED WITH BLOOD/BODY FLUIDS.

PERSONAL PROTECTION: When handling items soiled with blood or body fluids, use disposable latex gloves, gowns, masks, or eye coverings.

CLEANING PROCEDURES: Blood and other body fluids must be thoroughly cleaned from surfaces and objects before application of (This Product).

Contact Time: Allow surfaces/objects to remain wet for 30 seconds.

DISPOSAL OF INFECTIOUS MATERIALS: Blood and other body fluids should be autoclaved and disposed of according to local regulations for infectious waste disposal.

Precautionary Statements: Hazards to humans and domestic animals.

Warning: Causes eye and skin irritation. Do not get in eyes, on skin or on clothing. Odors may irritate. Use only in well-ventilated areas. Avoid prolonged breathing of vapor. Not recommended for use by persons with heart conditions or chronic respiratory problems such as asthma, emphysema or obstructive lung disease. Harmful if swallowed. For sensitive skin or prolonged use, wear rubber gloves.

First Aid: **In case of eye contact**, immediately flush eyes with water, remove any contact lenses, and continue flushing eyes for at least 15 minutes. Get medical attention immediately. **In case of skin contact**, immediately wash with plenty of soap and water. If irritation persists, get medical attention. **If swallowed**, drink a glass of water and get prompt medical attention. **If breathing is affected**, get fresh air immediately.

Physical and Chemical Hazards: (This Product) Contains Bleach. Do not mix with other household chemicals such as products containing ammonia, toilet bowl cleaners or acid cleaners as hazardous gasses may be released.

Avoid contact with clothes, fabric, wood, rubber, carpet, painted and paper surfaces, and finished floors. Rinse immediately after use on metal to avoid pitting or discoloration. Prolonged contact with metal, old porcelain, plastic laminate and marble may cause discoloration.

Storage/Disposal:

(For sizes 1 gallon or less:)

Store in a cool, well – ventilated area inaccessible to small children. Do not reuse empty container. Rinse and discard in trash or recycle.

(For Sizes over one gallon:)

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

STORAGE: Store in original container in areas inaccessible to small children. Keep securely closed.

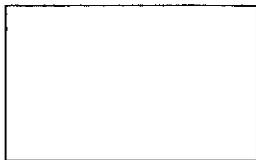
PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes can not be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional office for guidance.

CONTAINER DISPOSAL: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

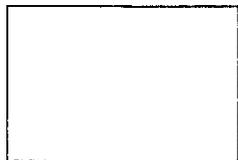
(For Sizes 5 gallons or more)

Environmental Hazards

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waster 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 sewage systems without previously notifying the local sewerage treatment plant authority. For guidance contact you State Water Board or Regional Office of the EPA.



Shower Doors
Or Curtains



Tubs and
Glaze Tile



Vanity Tops
Sinks & (Chrome)
(Non medical)



Toilet Bowls
(exteriors)

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Non-Food Contact Sanitization Claims for RTU product**Front Label**

- 1a) Kills 99.9% of Bacteria (Germs) in 30 seconds. *
- 1b) Eliminates 99.9% of Bacteria (Germs) in 30 seconds. *
- 1c) Kills 99.9% of many (Bacteria) (Germs) in 30 seconds. *
- 1d) Eliminates 99.9% of many Bacteria (Germs) in 30 seconds. *

Back Label

- 1a) Kills 99.9% of Bacterial (Germs) in 30 seconds on hard non-porous surfaces. *
- 1b) Eliminates 99.9% of Bacteria (Germs) in 30 seconds on hard on-porous surfaces. *
- 1c) Kills 99.9% of bacterial (germs) on hard non-porous surfaces in 30 seconds. *
- 1d) Eliminates 99.9% of germs (bacteria) on hard non-porous surfaces in 30 seconds.*
- 1e) Kills Bacteria (Germs) on hard non-porous surfaces in seconds. *
- 2a) Sanitize/Deodorize: for hard non-porous surfaces such as counters, sinks, refrigerators, microwaves, appliances, stove tops, faucets, cabinets, kitchen tables, glass tabletops, stainless steel sinks (counters), chrome fixtures, fiberglass, high chairs, garbage pails (cans), spray until thoroughly wet. Let stand 30 seconds before wiping. For heavily soiled surfaces, first clean according to GENERAL KITCHEN CLEANING directions.
- 2b) For hard non-porous surfaces such as counters, sinks, refrigerators, microwaves, appliances, stove tops, faucets, cabinets, kitchen tables, glass tabletops, stainless steel sinks (counters), chrome fixtures, fiberglass, high chairs, and garbage pails (cans), spray until thoroughly wet.

To Sanitize/Disinfect/deodorize

To Sanitize/deodorize: Let stand for 30 seconds before wiping
 To Disinfect/deodorize: Let stand for 10 minutes before wiping
 For heavily soiled areas, a pre-cleaning is required

- 3) Fast Acting Sanitizer
- 4a) *Kills 99.9% of Salmonella choleraesuis (Salmonella), Eschericia coli (E. coli), Staphylococcus aureus (Staphylococcus), ~~Streptococcus pneumoniae~~ (Streptococcus) and ~~Klebsiella pneumoniae~~ (Klebsiella) (Enterobacter aerogenes) (Rotavirus) (Rhinovirus) (Trichophyton mentagrophytes) (Athletes foot fungus) (Aspergillus niger) (Vibrio cholera) ~~Eschericia coli O157:H7~~ (Pseudomonas aeruginosa) (Campylobacter jejuni) (Listeria monocytogenes) on hard non-porous surfaces in 30 seconds.

Non-Food Contact Sanitization Claims

4b) *Eliminates 99.9% % of Salmonella choleraesuis (Salmonella), Eschericia coli (E. coli), Stapylococcus aureus (Staphylococcus), Streptococcus pyogenes (Streptococcus) and Klebsiella pneumoniae (Klebsiella) (Enterobacter aerogenes) (Rotavirus) (Rhinovirus) (Trichophyton mentagrophytes) (Athletes foot fungus) (Aspergillus niger) (Vibrio cholera) (Eschericia coli 0157-H7) (Pseudomonas aeruginosa) (Campylobacter jejuni) (Listeria monocytogenes) on hard non-porous surfaces in 30 seconds.

(This Product) kills 99.9% of the following Bacteria, Viruses, and fungi on hard non-porous Non-food contact surfaces:

Bacteria:

- Staphylococcus aureus
- Enterobacter aerogenes
- Eschericia coli (0157-H7)
- Vibrio cholera
- Listeria monocytogenes
- Campylobacter jejuni
- Salmonella choleraesuis
- Pseudomonas aeruginosa

Fungi:

- Aspergillus niger
- Trichophyton mentagrophytes (Athelete's foot fungus)

Virus:

- Rotavirus Wa
- Rhinovirus 39

Prevents the growth of Mold and Mildew.
 Controls the growth of Mold and Mildew.
 Helps prevent the growth of Mold and Mildew.

~~Helps prevent the growth of Mold and Mildew.~~

Optional Disinfectancy Related -bullets/bursts/sentences - Front or Back Label

Kitchen [Disinfectant] [Sanitizer]	Home [Disinfectant] [Sanitizer]
Institutional [Disinfectant] [Sanitizer]	[Institutional] Bathroom or Restroom [Disinfectant] [Sanitizer]
Attic [Disinfectant] [Sanitizer]	Infirmery [Disinfectant] [Sanitizer]
Garage [Disinfectant] [Sanitizer]	Basement [Disinfectant] [Sanitizer]
Household [Disinfectant] [Sanitizer]	Business [Disinfectant] [Sanitizer]
Factory [Disinfectant] [Sanitizer]	Manufacturing Plant [Disinfectant] [Sanitizer]
Hotel [Disinfectant] [Sanitizer]	Motel [Disinfectant] [Sanitizer]
Commercial Building [Disinfectant] [Sanitizer]	Industrial Building [Disinfectant][Sanitizer]
Public Facility [Disinfectant] [Sanitizer]	Office [Disinfectant] [Sanitizer]
Public Telephone [Booth] [Disinfectant] [Sanitizer]	[Institutional] Laundromat [Disinfectant] [Sanitizer]
Church [Temple] [Mosque] [House of Worship] [Disinfectant] [Sanitizer]	Military Installation [Disinfectant] [Sanitizer]
Hospital [Disinfectant] [Sanitizer]	School [Disinfectant] [Sanitizer]
Nursing Home [Disinfectant] [Sanitizer] [Sanitizer]	Day Care Center [Disinfectant]
Dorm [Disinfectant][Sanitizer]	
Shelter [Disinfectant] [Sanitizer]	Blood Bank [Disinfectant] [Sanitizer]
Laboratory [Disinfectant] [Sanitizer]	
Health Club [Disinfectant] [Sanitizer]	Gymnasium [Disinfectant] [Sanitizer]
Home Workshop [Disinfectant] [Sanitizer]	Recreational Center [facility] [Disinfectant] [Sanitizer]
Boat [Disinfectant] [Sanitizer]	Camper [Disinfectant] [Sanitizer]
RV [Disinfectant] [Sanitizer]	Trailer [Disinfectant] [Sanitizer]
Mobile Home [Disinfectant] [Sanitizer] [Sanitizer]	Campground facility [Disinfectant]
Playground facility [Disinfectant] [Sanitizer]	Motor home [Disinfectant] [Sanitizer]
Vacation Home [Disinfectant] [Sanitizer]	Motor Boat or House Boat or Boat House [Disinfectant][Sanitizer]
Cafeteria or Restaurant [Disinfectant] [Sanitizer]	Supermarket or Grocery store [Disinfectant] [Sanitizer]
Butcher shop [Disinfectant] [Sanitizer]	Farmer's Market [Disinfectant] [Sanitizer]
Pharmacy [Disinfectant] [Sanitizer] [Sanitizer]	Warehouse Club [Disinfectant]
Automobile or Car [Disinfectant] [Sanitizer]	Airplane [Disinfectant] [Sanitizer]
Train Interior [Disinfectant] [Sanitizer]	School Bus [Disinfectant] [Sanitizer]
Ambulance [Disinfectant] [Sanitizer]	Bowling Alley [Disinfectant] [Sanitizer]
Summer cottage [Disinfectant] [Sanitizer]	

We invite you to call us at 1-800-677-9218, Monday through Friday, 8:45 a.m. to 4:30 p.m. (Eastern Time), or visit our website at www.lysol.com/info if you have any questions or comments on our products.

Visit us at www.reckittprofessional.com
Reckitt Benckiser Profession (Logo)

Lysol ® Brand Disinfectant Bleach Plus contains no phosphates and is germicidal when used as directed for disinfecting.

IMPORTANT FACTS:

Contains no phosphates.

Encourage your local authorities to establish a program to recycle this can.

This can is made from an average of 25%-recycled steel (10% post-consumer).

Reckitt Benckiser Inc.
1655 Valley Road
Wayne, New Jersey 07474

EPA Reg. No. 777-83

EPA Est. No. 777-NJ-2, 11525-IL-1, 8791-MO-1 (see bottom)