



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

MAR 29 2005

Mr. Robert Prince  
Microgen Inc.  
33 Clinton Road, Ste. 102  
West Caldwell, NJ 07006

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

Subject: CCX-151  
EPA Registration No. 61178-5  
Amendment Date: January 3, 2005  
EPA Receipt Date: January 6, 2005

Dear Mr. Prince,

The following amendment submitted in connection with registration under FIFRA 3(c)(7)(A), as amended, is acceptable with the conditions listed below.

- Addition of organisms

**Conditions**

Revise the label as follows:

1. The acceptance of the data to support a label claim for Human coronavirus does not support a label claim for this product as an effective disinfectant against the causative agent of Severe Acute Respiratory Syndrome (SARS).
2. Page 4: Revise the water hardness for the 98% soil load claim to read "400" ppm.
3. Page 4: Add *Pseudomonas aeruginosa* to the list of bacteria mitigated in the presence of 98% soil load.

**Data Summary**

Data Requirement	Means of Support	Status
AOAC Use Solution - <i>P. aeruginosa</i> , <i>S. aureus</i> , <i>S. choleraesuis</i>	Submitted Study, MRID No. 464398-01	Acceptable: 1:365 dil. 98% soil, 400ppm water, 10 CT
Virucidal Efficacy against Human Coronavirus	Submitted Study MRID No. 464398-02	Acceptable: 1:365 dil. 98% soil, 400ppm water, 10 CT
Virucidal Efficacy against Human Coronavirus	Submitted Study MRID No. 463725-03	Acceptable, 1:365 dil. 98% soil, 400ppm water, 10 CT

## General Comments

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

Submit and/or cite all data required for registration/reregistration of your product under FIFRA section 3(c)(5) when the Agency requires all registrants of similar products to submit such data.

If the above conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product bearing the amended labeling.

If you have any questions regarding this letter, please contact Jacqueline McFarlane at (703) 308-6416.

Sincerely,



Velma Noble

Product Manager (31)

Regulatory Management Branch I

Antimicrobials Division (7510C)

Enclosure:    Stamped Label  
                  Efficacy Data Evaluation

# CENTER PANEL

## CCX-151

BROAD SPECTRUM DISINFECTANT, HOSPITAL DISINFECTANT, CLEANS AS IT DISINFECTS, GERMICIDAL, HB QUAT DISINFECTANT CLEANER CONCENTRATE, BROAD SPECTRUM GERMICIDAL DISINFECTANT AND DEODORIZER, HOSPITAL DISINFECTANT CLEANER

CLEANER, DISINFECTANT, SANITIZER, DETERGENT, DEODORIZER, VIRUCIDE\*

### ACTIVE INGREDIENTS:

Alkyl (60% C <sub>14</sub> , 30% C <sub>16</sub> , 5% C <sub>12</sub> , 5% C <sub>18</sub> ) dimethyl benzyl ammonium chloride . . . . .	13.238%
Alkyl (68% C <sub>12</sub> , 32% C <sub>14</sub> ) dimethyl ethylbenzyl ammonium chloride . . . . .	13.238%
INERT INGREDIENTS . . . . .	73.524%
TOTAL . . . . .	100.000%

# KEEP OUT OF REACH OF CHILDREN DANGER

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

NET CONTENTS: 1 quart, 2 quarts, 1 gallon, 2 gallons, 5 gallons, 15 gallons, 55 gallons, 0.528 gallon(2 liters)

Microgen Inc.  
33 Clinton Road Suite 102  
West Caldwell, NJ 07006  
EPA Reg. No. 61178-5  
EPA Est. No. (to be assigned)

### OPTIONAL MARKETING LANGUAGE

- Contains **CCX-151** Brand Hospital Disinfectant Formula Exclusively from **MICROGEN, INC.**
- Makes 180 ready-to-use gallons - typical yield.
- This product is to be diluted only with the (3M™)(Twist 'n Fill™)(Dose 'n Fill™)(Chemical) dispenser.
- Made in U.S.A.
- Use on hard, non-porous surfaces such as floors or walls to clean, disinfectant and deodorize.
- 3M and Twist 'n Fill(Dose 'n Fill) are trademarks of 3M.

Microgen EPA Label, CCX-151 (01-03-2005)

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ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

MAR 29 2005

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act as  
amended, for the pesticide,  
registered under EPA Reg. No 61178-5

## LEFT PANEL- NUMBER 1

### PRECAUTIONARY STATEMENTS

#### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

##### DANGER

**KEEP OUT OF REACH OF CHILDREN:** Corrosive. Causes irreversible eye damage and skin burns. Harmful if absorbed through the skin. Harmful if swallowed. Do not get in eyes, on skin, or on clothing. Do not breathe spray mist. Wear goggles or face shield. Wear protective clothing and rubber gloves. Wash thoroughly with soap and water after handling. Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove contaminated clothing and wash clothing before reuse.

#### STATEMENT OF PRACTICAL TREATMENT: FIRST AID

**IF ON SKIN OR CLOTHING:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor 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. Call a poison control center or doctor for treatment advice.

**IF SWALLOWED:** Call a 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 a poison control center or doctor. Do not give anything by mouth to an unconscious person.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For additional medical advice, call the following emergency phone number: 000-000-0000.

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

If container is 5 gallons or more, the following statement must be used:

#### ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish. 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 into sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

## LEFT PANEL- NUMBER 2

### STORAGE and DISPOSAL

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

**PESTICIDE STORAGE** Do not store on side. Avoid creasing or impacting of side walls. Store in locked area inaccessible to children.

**If container is 1 gallon or less, the following statements may be used:** Storage: Store in securely closed original container. Avoid storage at temperature extremes or in sunlight. Avoid shipping or storing below freezing. If product freezes, thaw at room temperature and shake gently to remix components. Use locked storage in an area that will prevent cross-contamination of other pesticides, fertilizer, food and feed.

### 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 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.

**If container is 1 gallon or less, the following statement may be used:**

### PESTICIDE DISPOSAL AND CONTAINER DISPOSAL

Securely wrap original container in several layers of newspaper and discard in trash. Do not reuse empty container.

## RIGHT PANEL-NUMBER 1

### DIRECTIONS FOR USE

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

This product is for use in hospitals in the following areas: operating rooms, patient care rooms & facilities, recovery, anesthesia, ER, radiology, X-ray cat labs, newborn nurseries, orthopedics, respiratory therapy, surgi-centers, labs, blood collection rooms, central supply, housekeeping & janitorial rooms. In addition this product may be used in nursing homes, doctor's offices & labs, dentists offices & labs (dental operatories), schools, salons, health clubs, spas, sick rooms, rest rooms, shower rooms, veterinary clinics, restaurants, bars, food processing plants, dairies, airplanes on the following inanimate, hard, non-porous environmental non-food contact surfaces such as walls, floors, sink tops, exterior of toilet bowls, tables, chairs, telephones, chair arms and bed frames, cabinets, bathtubs, and exterior of urinals.

This product may also be used as a deodorizer in garbage storage areas, empty garbage bins and cans, exterior and/or interior of toilet bowls and any other odor-causing areas.

### FOR VETERINARY AND DAIRY USE

1. Remove all animals and feed from premise, vehicles, and enclosures.
2. Remove all litter and manure from floors, walls and surfaces of barns, pens, stalls, chutes, and other facilities and fixtures occupied or traversed by animals.
3. Empty all troughs, racks, and other feeding and watering appliances.
4. Thoroughly clean all surfaces with soap or detergent and rinse with water.
5. Saturate all surfaces with the recommended disinfecting solution for a period of 10 minutes.
6. Immerse all halters, ropes, and other types of equipment used in handling and restraining animals, as well as forks, shovels, and scrapers used for removing litter and manure.
7. Ventilate buildings, cars, boats, and other closed spaces. Do not house livestock or employ equipment until treatment has been absorbed, set or dried.
8. Thoroughly scrub all treated feed racks, mangers, troughs, automatic feeders, fountains, and waterers with soap or detergent, and rinse with potable water before reuse.

NOTE: For food processing plants and dairies, this product as a disinfectant may only be used in inedible product processing areas, nonprocessing areas and/or exterior areas.

Product is effective in hard water up to 300 ppm hardness (calculated as  $\text{CaCO}_3$ ) and in the presence of organic soil (5% blood serum).

This product, in the presence of a 98 % soil load, diluted 1:365 (0.35 ounces per gallon) in 500 ppm AOAC Synthetic Hard Water, demonstrated efficacy after a 10 minute exposure period against the following organisms: *Staphylococcus aureus*, *Salmonella choleraesuis*.

Note that the organisms referenced in the above statement are not associated with blood spills. For blood spills, the surface must be thoroughly cleaned before applying the disinfectant.

## RIGHT PANEL - NUMBER 2.

### **BACTERICIDAL STABILITY OF USE-DILUTION:**

Tests confirm that this product, when diluted in 400 ppm hard water and in the presence of 5% soil load, remains effective against *Pseudomonas aeruginosa*, *Staphylococcus aureus*, *Salmonella choleraesuis* for up to one year when stored in a sealed container at room temperature.

If the use-dilution product becomes visibly dirty or contaminated, the use-dilution must be discarded and a fresh product prepared. Always use clean, properly labeled dry containers when diluting the product. Bactericidal stability of the use-dilution does not apply to open containers such as buckets or pails. Use-dilution product in open containers must be prepared daily or more often if the solution becomes visibly dirty or diluted or contaminated.

This product is not to be used as a terminal sterilant/high-level disinfectant on any surface or instrument that (1) is introduced directly into the human body, either into or in contact with the bloodstream or normally sterile areas of the body, or (2) contacts intact mucous membranes but which does not ordinarily penetrate the blood barrier or otherwise enter normally sterile areas of the body. This product may be used to pre-clean or decontaminate critical or semi-critical medical devices prior to sterilization or high-level disinfection.

### **DISINFECTION:**

Add 0.35 ounces per gallon of water (1:365 dilution). Remove gross filth or heavy soil. For heavily soiled areas, a pre-cleaning step is required. Apply solution with a cloth, mop, sponge or hand pump trigger sprayer such that all surfaces remain wet for 10 minutes. For sprayer applications, use a coarse spray device. Spray 6 to 8 inches from the surface. Rub with brush, sponge or cloth. Do not breath spray mist. Let air dry. Prepare a fresh solution for each use.

### **DISINFECTION OF BARBER AND BEAUTY SHOP INSTRUMENTS & TOOLS:**

Thoroughly pre-clean. Completely immerse brushes, combs, scissors, clipper blades, razors, tweezers, manicure and other shop tools for 10 minutes (or longer as required by local authorities). Fresh solution should be prepared daily or more often when the solution becomes diluted or soiled. After disinfection, wipe dry the instrument or tool as appropriate. **NOTE:** Plastics may remain immersed until ready to use. Stainless steel shears and instruments must be removed after 10 minutes, rinsed, dried, and kept in a clean, noncontaminated receptacle. Prolonged soaking may cause damage to metal instruments.

**SANITIZATION - NON-FOOD CONTACT SURFACES:** Remove all gross filth or heavy soil prior to applying sanitizing solution. Where a sanitizer is required, this product can be used in the same sites and surfaces as indicated in this label. Use a mop, cloth or immerse item in a solution containing 0.35 ounces per gallon (1:365 dilution) so as to wet all surfaces thoroughly for 1 minute. Drain or air dry. Prepare a fresh solution at least daily or when solution is visibly diluted or soiled.

### **RIGHT PANEL - NUMBER 3.**

**CLEANING AND DEODORIZATION** - Product deodorizes garbage storage areas, empty garbage bins and cans, exterior and/or interior of toilet bowls and any other odor-causing areas. Use 0.35 ounces per gallon of water(1:365 dilution). Apply and wipe.

**FUNGICIDE:** Where a fungicide is required, this product can be used in the same sites and surfaces as indicated in this label. The dilution and application and contact time is the same as the disinfection section. List of specific sites for where a fungicide is necessary: shower areas, shower stalls, bathroom floors, bathroom benches.

**VIRUCIDAL\*:** When used on inanimate, hard, non-porous, environmental surfaces at 0.35 ounces per gallon of water (1:365 dilution) for a 10 minute contact time (5% organic soil), except for Poliovirus type 1 (Chat strain); which requires a 30 minute contact time (5% organic soil).

This product, in the presence of a 98 % organic soil load, diluted 1:365 (0.35 ounces per gallon) in 400 ppm Hard Water, demonstrated efficacy within 10 minutes against the following virus: Human Coronavirus. Note that the organism referenced in the above statement is not associated with blood spills. For blood spills, the surface must be thoroughly cleaned before applying this product.

**\*KILLS HCV, HBV AND HIV-1 ON PRECLEANED ENVIRONMENTAL SURFACES/OBJECTS PREVIOUSLY SOILED WITH BLOOD/BODY FLUIDS** in healthcare settings or other settings in which there is a likelihood of soiling 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 HCV (Hepatitis C Virus), HBV (Hepatitis B Virus) or Human Immunodeficiency Virus Type 1 HIV-1 (AIDS virus).

#### **SPECIAL INSTRUCTIONS FOR CLEANING AND DECONTAMINATION AGAINST HCV, HBV AND HIV-1 OF SURFACES/OBJECTS SOILED WITH BLOOD/BODY FLUIDS:**

**PERSONAL PROTECTION:** Specific barrier protection items to be used when handling items soiled with blood or body fluids are disposable latex gloves, gowns, masks or eye coverings.

**CLEANING PROCEDURE:** Blood and other body fluids must be thoroughly cleaned from surfaces and objects before application of the disinfectant.

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

**CONTACT TIME:** Leave surface wet for 30 seconds for HIV-1 and 10 minutes for HCV and HBV. The contact time for the viruses, fungi and bacteria listed on this label is 10 minutes except for Polio virus Type 1 (Chat strain) which is 30 minutes.



At 0.35 ounces per gallon (1:365 dilution) and according to directions contained on this label, this product is effective against the following micro-organisms:

**Isolates From AIDS Patients**

1. *Aspergillus niger*
2. *Candida albicans*
3. *Cryptococcus neoformans*
4. *Pseudomonas aeruginosa*
5. *Staphylococcus aureus*
6. *Streptococcus pneumoniae*

**Gram Positive Clinical Isolates**

7. *Micrococcus luteus*
8. *Staphylococcus aureus*
9. *Staphylococcus aureus* (Toxic shock)
10. *Staphylococcus epidermidis*
11. *Staphylococcus saprophyticus*
12. *Streptococcus haemolyticus*
13. *Enterococcus faecalis*

**Gram Negative Clinical Isolates**

14. *Acinetobacter calcoaceticus* var. *anitratus*
15. *Acinetobacter calcoaceticus* var. *Iwoffii*
16. *Bordetella bronchiseptica*
17. *Enterobacter agglomerans*
18. *Enterobacter cloacae*
19. *Enterobacter gergoviae*
20. *Enterobacter liquefaciens*
21. *Escherichia coli* (Urinary)
22. *Escherichia coli* (Wound)
23. *Flavobacterium meningosepticum*
24. *Hafnia alvei*
25. *Klebsiella oxytoca*
26. *Klebsiella pneumoniae*
27. *Morganella morganii*
28. *Proteus mirabilis*
29. *Proteus vulgaris*
30. *Pseudomonas aeruginosa*
31. *Burkholderia cepacia*
32. *Brevundimonas diminuta*
33. *Pseudomonas fluorescens*
34. *Sphingomonas paucimobilis*
35. *Pseudomonas pseudomallei*
36. *Pseudomonas putida*
37. *Pseudomonas stutzeri*
38. *Serratia marcescens*

**Other Bacteria-**

- 39 Actinobacillus pleuropneumoniae
- 40 Actinomyces pyogenes
- 41 Bordetella bronchiseptica
- 42 Campylobacter jejuni
- 43 Corynebacterium pseudotuberculosis
- 44 Enterobacter aerogenes
- 45 Enterococcus faecalis
- 46 Enterococcus faecium
- 47 Escherichia coli
- 48 Escherichia coli strain O157:H7
- 49 Escherichia vulneris
- 50 Listeria monocytogenes
- 51 Pasteurella haemolyticus
- 52 Pseudomonas aeruginosa
- 53 Burkholderia pickettii
- 54 Rhodococcus equi
- 55 Salmonella choleraesuis
- 56 Salmonella schottmuelleri
- 57 Salmonella typhi
- 58 Staphylococcus aureus
- 59 Staphylococcus auricularis
- 60 Staphylococcus capitis
- 61 Staphylococcus hominis
- 62 Staphylococcus simulans
- 63 Streptococcus equi var. equi
- 64 Streptococcus equi var. zooepidermicus
- 65 Streptococcus pyogenes
- 66 Streptococcus salivarius
- 67 Yersinia enterocolitica

**Environmental Fungi**

- 68 Aspergillus candidus
- 69 Aspergillus niger
- 70 Penicillium chermesinum
- 71 Penicillium oxalicum
- 72 Penicillium spinulosum
- 73 Ulocladium sp.

**Antibiotic Resistant Bacteria**

- 74 Enterococcus faecalis (Vancomycin Resistant-VRE)
- 75 Staphylococcus aureus (Methicillin Resistant-MRSA)

**Human Viruses**

- 76 Cytomegalovirus
- 77 HBV (Hepatitis B Virus)
- 78 HCV (Hepatitis C Virus)
- 79 Herpes Simplex type 2 Virus
- 80 HIV-1 (AIDS Virus)
- 81 Human Coronavirus
- 82 Influenza A/Brazil Virus
- 83 Influenza B Virus (Allen strain)
- 84 Influenza C Virus (Taylor strain)
- 85 Measles Virus
- 86 Parainfluenza type 1
- 87 Poliovirus type 1 (Chat strain) 30 minutes contact time
- 88 Respiratory Syncytial Virus
- 89 Rotavirus

**Non-Human Viruses**

- 90 Avian Influenza/Turkey/Wisconsin Virus
- 91 Canine Coronavirus
- 92 Equine Influenza
- 93 Feline Calicivirus
- 94 Infectious Bovine Rhinotracheitis (IBR)
- 95 Newcastle Disease Virus
- 96 Porcine Parvovirus
- 97 Pseudorabies Virus
- 98 Transmissible Gastroenteritis (TGE)
- 99 T1 bacteriophage
- 100 T4 bacteriophage
- 101 Bovine Viral Diarrhea Virus (BVDV)