

PM31
211-50
Pg. 1 of 17
MAY 11 1990

Central Solution, Inc
3130 Brinkerhoff Road
Kansas City KS 66115

Attention: Richard Kneser

Product Name: QS. 5-8. SHPB-2.5 EW
Registration Number 211-50
Submission Dated 3-16-90

The amendment referred to above, submitted in connection with registration under FIFRA, is acceptable provided that you:

1. Make the labeling changes listed below before you release the product for shipment bearing the amended labeling:
 - a. Delete the proposed use in dressing houses on utensils and equipment, wherever it appears on the label. The proposed use of this product in dressing houses on utensils and equipment must be considered a food use. (Refer to our letter of 9/29/89, paragraph 3.)
 - b. Above "SPECIAL INSTRUCTIONS FOR CLEANING AND DECONTAMINATION . . ." a statement should be included "KILLS HIV ON PRE-CLEANED 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 human immunodeficiency virus Type 1 (HIV-1) (associated with AIT.)."

59141:I:DeLaney:L-12;KENCO:4/23/90:5/20/90:dg:SW:VO:EI:CT

CONCURRENCES

SYMBOL							
SURNAME							
DATE							

- c. The proposed label which contain claims for AIDS Viruses are not in compliance with the clarification labeling terminology policy as required in "FR Notice Vol. 54, No. 26 Feb. 09, 1989." The current wording as indicated are not accepted for the AID claims (HIV-1). Your labeling must be revised in accordance with the requirements outlined in this policy. Refer to the enclosed "Labeling Policy Clarification For HIV (AID Virus) claims, paragraph 4, item A thru e for proper formatting.
- d. Under "Sanitizing Non-food Contact Surfaces" change "thoroughly" to "thoroughly".

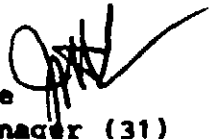
Submit five (5) copies of your final printed labeling before you release the product for shipment.

Your release for shipment of the product bearing the amended labeling constitutes acceptance of these conditions.

A stamped copy of the labeling is enclosed for your records.

If you have any questions concerning this letter, please contact Martha DeLaney at (703) 557-6982.

Sincerely yours,


 John H. Lee
 Product Manager (31)
 Antimicrobial Program Branch
 Registration Division (H7505C)

pg 30. 17

PROPOSED LABELING
PRODUCT NAME: Q5.5-5.5NPB-2.5HW
EPA REGISTRATION NO. 211-50

CENTRAL SOLUTION'S INC.
3130 BRINKERHOFF RD.
P.O. BOX 15276
KANSAS CITY, KS 66115

RESPONDING TO:

EPA REPLY LETTER DATED SEPTEMBER 29, 1989
APPLICATION FOR REGISTRATION AMENDMENT;
MRID #41172001

ACCEPTED
with COMMENTS
to EPA Letter Dated:

MAY 11 1990

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

211-50

204217

(CENTER PANEL)

Q5.5-5.5NPB-2.5HW
DISINFECTANT-CLEANER-SANITIZER-FUNGICIDE
MILDEWSTAT-VIRUCIDE*-DEODORIZER-WHIRLPOOL CLEANER
EFFECTIVE IN HARD WATER UP TO 400 PPM HARDNESS (CALCULATED AS CaCO3)
IN THE PRESENCE OF 5% SERUM CONTAMINATION

Active Ingredients:

Octyl decyl dimethyl ammonium chloride.....1.65%
Dioctyl dimethyl ammonium chloride.....0.825%
Didecyl dimethyl ammonium chloride.....0.825%
Alkyl (C14, 50%;C12 40%;C16 10%)
dimethyl benzyl ammonium chloride.....2.20%

Inert Ingredients.....94.50%

SEE LEFT PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

EPA REG. NO. 211-50 EPA EST. NO. 211-KS-1

Keep Out of Reach of Children

DANGER

NET CONTENTS _____ GALLONS



CENTRAL SOLUTIONS, INC.

3130 BRINKERHOFF RD.
P.O. BOX 15276
KANSAS CITY, KANSAS 66115

ACCEPTED
with COMMENTS
in EPA Letter Datab

MAY 11 1990

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
25 U.S.C. 135-137
registered under FIFRA section 241a.

211-50

(LEFT PANEL)

PRECAUTIONARY STATEMENTS
Hazards to Humans and Domestic Animals

DANGER

Keep Out of Reach of Children. Corrosive. Causes severe eye and skin damage. Do not get in eyes, on skin or on clothing. Harmful if swallowed. Wear goggles or face shield and rubber gloves when handling. Avoid contamination of food. Remove and wash contaminated clothing.

STATEMENT OF PRACTICAL TREATMENT

In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. For eyes, call a physician. Remove and wash all contaminated clothing before reuse. If swallowed, drink large quantities of water. Call a physician.

NOTE TO PHYSICIAN

Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression and convulsion may be needed.

STORAGE AND DISPOSAL

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

STORAGE—Store in securely closed original container. Store in area that will prevent cross contamination of other pesticides, fertilizer, food and feed. Avoid storage at temperature extremes or in sunlight.

PESTICIDE DISPOSAL—Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide is in 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 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.

ACCEPTED
with COMMENTS
to EPA Letter 1082

MAY 11 1990

U.S. ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460
REGISTRATION DIVISION

211-50

(RIGHT-BACK PANEL)
(MUSHROOM FARM PREMISE LABEL)

Q5.5-5.5NPB-2.5HW
GERMICIDAL-DETERGENT WITH ORGANIC SOIL TOLERANCE
FORMULATED FOR MUSHROOM FARM SANITATION

Q5.5-5.5NPB-2.5HW effectively
Kills fungi and bacteria which prove dangerous to mushroom crops.

DO NOT APPLY TO MUSHROOM CROP. DO NOT APPLY TO COMPOST OR CASING.
USE ONLY AS DIRECTED

EFFICACY PERFORMANCE

The broad spectrum efficacy of Q5.5-5.5NPB-2.5HW has been confirmed using A.O.A.C. protocol testing, as is required by the EPA, at a use dilution of 1:64 (TWO ounces per gallon of water) in water up to 400 ppm hardness in the presence of 5% blood serum (used to simulate organic soil load) at 20 degrees Celcius with an exposure time of 10 minutes.

GERMICIDAL Q5.5-5.5NPB-2.5HW has been tested and found effective against bacteria detrimental to the mushroom crop including:

- Pseudomonas flourescens (Biotype G)...Bacterial Blotch Disease
- Pseudomonas aeruginosa.....Mummy Disease

In addition, Q5.5-5.5NPB-2.5HW is effective against the broad spectrum of Gram positive and Gram negative pathogens as confirmed against Salmonella choleraesuis, Staphylococcus aureus, and Pseudomonas aeruginosa by the AOAC Use Dilution Confirmation Test in water up to 400 ppm hardness and in the presence of 5% organic soil load at 20 degrees Celcius with an exposure time of 10 minutes.

FUNGICIDAL Fungi specific to the mushroom industry which Q5.5-5.5NPB-2.5HW has been tested against and found effective include:

- Verticillium fungicola..(Verticillum disease, Brown spot or Fungus spot)
- Mycogone perniciososa.....(Mycogone disease or Wet bubble)
- Tricoderma viride.....(Tricoderma spot, Tricoderma blotch Tricoderma mildew, Green mold)
- Dactylium dendroides....(Hypomyces mildew,Cobweb, Soft decay)

Q5.5-5.5NPB-2.5HW's fungicidal efficacy has also been confirmed through testing using the AOAC Fungicidal Test against the pathogenic fungi Trichophyton mentagrophytes.

ACCEPTED
with COMMENTS
by EPA LABORATORY

1 1996

211-527

(RIGHT/BACK PANEL)
(MUSHROOM FARM PREMISE LABEL)

MUSHROOM FARM INDUSTRY USE
General Information

Q5.5-5.5NPB-2.5HW is a phosphate free, germicidal detergent effective in hard water in the presence of moderate amounts of organic soil on a variety of surfaces found at mushroom farms. Q5.5-5.5NPB-2.5HW's four-chain quaternary based formula is designed for one-step cleaning and disinfecting of hard inanimate non-porous environmental surfaces. Q5.5-5.5NPB-2.5HW is strong enough to kill a broad spectrum of microbial mushroom pests, yet mild enough to have no harmful effects on the surfaces being treated when used as directed.

Areas of Use

Q5.5-5.5NPB-2.5HW has been designed for use between crops on surfaces that do not come in contact with the crop. Areas of intended use include tools, breezeways and track alleys before spawning, inside and outside walls of mushroom houses, lofts, floors, storage sheds, spawning machines, tampers and casing rings. Use of Q5.5-5.5NPB-2.5HW should be limited to areas where compost and mushrooms are not present.

DIRECTIONS FOR USE

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

SITE PREPARATION

The first step in any on-going sanitation program should be the removal of gross contamination and debris. This may be accomplished using a shovel, broom, or vacuum depending on the area to be disinfested. The efficacy of even the most efficient germicidal cleaner is reduced in the presence of heavy organic matter.

CLEANING AND DISINFECTION

For all general cleaning and disinfection, use TWO ounces of Q5.5-5.5NPB-2.5HW per gallon of water (1:64 dilution). Apply Q5.5-5.5NPB-2.5HW as a spray, wetting surfaces thoroughly. Treated surfaces should be allowed to remain wet for 10 minutes and let air dry. For heavily soiled areas, a precleaning step is required. Prepare a fresh solution for each use. When greater detergent action is desired, dilute Q5.5-5.5NPB-2.5HW four ounces of concentrate to each gallon of water. Heavily soiled areas may require repeated cleaning before treatment.

Apply Q5.5-5.5NPB-2.5HW only on surfaces that DO NOT come in contact with the crop. USE AS A PREMISES SPRAY, DO NOT APPLY TO THE CROP, COMPOST, OR CASING. Rinse treated surfaces with potable water before they contact the crop, compost or casing.

ACCEPTED
with COMMENTS
IN THE FIELD

MAY 4 1993

211-50

(RIGHT/BACK PANEL)
(POULTRY AND SWINE PREMISE LABEL)

Q5.5-5.5NPB-2.5HW
Germicidal/Detergent With Organic Soil Tolerance
Virucidal*-Germicidal
Pseudomonacidal-Fungicidal

Formulated for Effective
Poultry & Swine Premise Sanitation

Q5.5-5.5NPB-2.5HW is a phosphate free, concentrated, hospital grade germicidal-detergent effective in 10 minutes at 20 C, in hard water in the presence of 5% blood serum, used to simulate organic soil. Q5.5-5.5NPB-2.5HW's multi-chain quaternary formula is designed to clean, disinfect and deodorize any washable, inanimate, non-porous surface in one easy step. When used as directed, Q5.5-5.5NPB-2.5HW is strong enough to kill a broad spectrum of pathogenic bacteria, yet it is mild enough to have no harmful effects on the surface being disinfected.

Q5.5-5.5NPB-2.5HW is a highly concentrated germicidal detergent formulated for use where broad spectrum disinfection is required in hard water and in the presence of moderate amounts of organic soil.

DIRECTIONS FOR USE

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

SITE PREPARATION

The first step in any on-going sanitation program should be the removal of gross contamination and debris. This may be accomplished using a shovel, broom, or vacuum depending on the area to be disinfected. The efficacy of even the most efficient germicidal cleaner is reduced in the presence of heavy organic matter. Once the heavy debris is eliminated, disinfection can be accomplished in a single step.

CLEANING AND DISINFECTION

For all general cleaning and disinfection, use TWO ounces of Q5.5-5.5NPB-2.5HW per gallon of water (1:64 solution). Apply Q5.5-5.5NPB-2.5HW using a cloth, mop, or pressure sprayer so as to thoroughly wet surface to be disinfected. Allow to remain wet for 10 minutes and then let air dry. For heavily soiled areas, a precleaning step is required. Prepare a fresh solution for each use.

ACCEPTED
with COMMENTS
in EPA Letter Datch
MAY 1 1990

211-52

(RIGHT/BACK PANEL)
(POULTRY AND SWINE PREMISE LABEL)

EFFICACY PERFORMANCE

The broad spectrum efficacy of Q5.5-5.5NPB-2.5HW has been confirmed using A.O.A.C. protocol testing at a use-dilution of 1:64 in hard water up to 400 ppm in the presence of 5% blood serum (used to simulate organic soil load), at 20 degrees Celcius with an exposure time of 10 minutes.

GERMICIDAL

Q5.5-5.5NPB-2.5HW is effective against the broad spectrum of Gram positive and Gram negative pathogens as confirmed against Salmonella choleraesuis, Staphylococcus aureus, and Pseudomonas aeruginosa by th AOAC Use Dilution Confirmation test.

FUNGICIDAL

Q5.5-5.5NPB-2.5HW's fungicidal efficacy has been confirmed through testing using the AOAC Fungicidal Test against the pathogenic fungi, Trichophyton mentagrophytes.

*VIRUCIDAL

Virucidal testing using prescribed E.P.A. testing procedures has verified Q5.5-5.5NPB-2.5HW's effectiveness against the following viruses commonly associated with poultry and swine areas including:

- | | |
|-------------------------|---------------------------------------|
| Avian Influenza Virus | Avian Herpes Virus 2 (Mareks Disease) |
| Avian Bronchitis Virus | Hog Cholera Virus |
| Avian Laryngotracheitis | Pseudorabies Virus |

ACCEPTED
with CC...
in EPA Label Draft

MAY 11 1990

Under the...
Fungicide...
as provided...
reg...
211-50

MAY 11 1990

(RIGHT/BACK PANEL)
(POULTRY AND SWINE PREMISE LABEL)

Under the Pesticide Act,
this product is registered
as a disinfectant for use
in poultry and swine
premises. EPA Reg. No.

AREAS OF USE
POULTRY PREMISE SANITATION (HATCHERIES) 211-50

- | | |
|---------------------|-----------------------------|
| -Egg Receiving Area | -Tray Dumping Area |
| -Egg Holding Area | -Chick Processing Area |
| -Setter Room | -Chick Holding Room or Area |
| -Hatchery Room | -Chick Loading Area |
| -Poultry Buildings | -Hauling Equipment |

APPLICATION AND USE DILUTIONS

POULTRY HOUSES:

1. Remove all poultry and feeds from premises, trucks, coops, and crates. Remove all litter and droppings from floors, walls and surfaces of facilities occupied or traversed by poultry. Empty all troughs, racks, and other feeding and watering appliances. Do not use Q5.5-5.5NPB-2.5HW on any food processing equipment.
2. Use TWO ounces of Q5.5-5.5NPB-2.5HW per gallon of water. Saturate surfaces with the recommended disinfecting solution for a period of 10 minutes. Ventilate buildings, coops, and other closed spaces. Do not house poultry or employ equipment until treatment has been absorbed, set or dried. Thoroughly scrub treated feed racks, troughs, automatic feeders, fountains and waterers with soap or detergent, and rinse with potable water before reuse.

HATCHERIES:

1. Use TWO ounces of Q5.5-5.5NPB-2.5HW per gallon of water to treat hatchers, setters, trays, racks, carts, sexing tables, delivery trucks and other hard surfaces. Leave all treated surfaces exposed to disinfectant solution for 10 minutes or more.

EQUIPMENT:

1. Empty all troughs, racks, feeding and watering bins, buckets and fountains.
2. Use TWO ounces of Q5.5-5.5NPB-2.5HW per gallon of water to treat all equipment. Leave all treated surfaces exposed to disinfectant solution for 10 minutes or more.

VEHICLES:

1. Clean all vehicles including mats, crates, cabs and wheels with high pressure water and Q5.5-5.5NPB-2.5HW disinfectant. Use TWO ounces per gallon of water to treat all vehicles. Leave all treated surfaces exposed to disinfectant solution for 10 minutes or more.

SHOEBATHS:

1. Shoebaths containing one inch of freshly made disinfectant solution should be placed at all entrances to buildings and hatcheries. Change the disinfectant solution in the bath daily or when solution appears dirty.

MAY 11 1990

(RIGHT/BACK PANEL)
(POULTRY AND SWINE PREMISE LABEL)

POULTRY AND ANIMAL INDUSTRY USE

211-50

FOR CLEANING AND DISINFECTION OF:

EQUIPMENT including feeders, waterers, fans, racks, troughs, bins and buckets.

VEHICLES including live haul poultry delivery trucks, feed trucks, service person cars, tractors and all other vehicles.

HATCHERIES including floors, walls, equipment, incubators, hatchers, tray and buggies.

SHOEBATHS including all entrances to buildings and hatcheries.

AREAS OF USE

SWINE AND CATTLE SANITATION

- Creep Area
- Farrowing Barns and Areas
- Waterer & Feeder
- Nursery
- Blocks
- Hauling Equipment

MISCELLANEOUS

- Sick Pens
- Horse Stables
- Sales Barn Stalls
- Veterinary Hospitals
- Cat and Dog Kennels
- Dressing Plants
- Chutes/Loading Equipment

DIRECTIONS FOR USE

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

CLEANING AND DISINFECTION

For all general cleaning and disinfection, use TWO ounces of Q5.5-5.5NPB-2.5HW per gallon of water (1:64 solution). Apply using a cloth, mop, or pressure sprayer so as to thoroughly wet surface to be disinfected. Allow to remain wet for 10 minutes and then let air dry. For heavily soiled areas, the precleaning step is required. Prepare a fresh solution for each use.

General Disinfection Uses: Can be used in the routine disinfection of hog houses, farrowing houses, finishing houses, growers, feeders and other equipment; horse stables and sick pens at race tracks or sale barns, hospital pens, calf pens and equipment. Disinfecting houses used for poultry, turkeys, ducks and game birds and for equipment used in brooding, growing and laying quarters. Disinfecting dog and cat kennels as well as laboratory animal facilities, at veterinary hospitals, research laboratories and medical institutions. Spraying cattle pens, chutes, loading equipment trucks and animal manure pits for the control of odor and ammonia.

Dressing Plant Use:

Disinfect equipment, utensils, walls and floors in poultry and animal dressing plants. Equipment and utensils must be washed with a detergent then thoroughly rinsed with potable water before operations are resumed. Disinfect offal rooms, exterior walls and loading platforms of dressing plants. Do not use on any food processing equipment.

MAY 11 1990

(RIGHT/BACK PANEL)
(POULTRY, SWINE AND FARM LABEL)

APPLICATION AND USE DILUTIONS

211-50

FARM PREMISE:

1. Remove all animals and feed from premises, vehicles and enclosures. 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. Empty all troughs, racks and other feeding and watering appliances.

2. Use TWO ounces of Q5.5-5.5NPB-2.5HW per gallon of water (1 part Q5.5-5.5NPB-2.5HW to 64 parts of water). Saturate all surfaces with the recommended solution for a period of 10 minutes.

Use 25-50 gallons of disinfectant solution per 1000 square feet of floor space. Totally immerse equipment to be treated in disinfectant solution. Ventilate building and other closed spaces. Do not house livestock or employ equipment until treatment has been absorbed, set or dried. Rinse thoroughly with potable water before reuse.

EQUIPMENT:

1. Empty all troughs, racks, feeding and watering bins, buckets and fountains.

2. Use TWO ounces of Q5.5-5.5NPB-2.5HW per gallon of water (2 part Q5.5-5.5NPB-2.5HW to 64 parts of water) to saturate all equipment. Leave all treated surfaces exposed to disinfectant solution for 10 minutes or more.

VEHICLES:

1. Clean all vehicles including mats, crates, cabs and wheels with high pressure water and Q5.5-5.5NPB-2.5HW solution.

Use TWO ounces of Q5.5-5.5NPB-2.5HW per gallon of water (2 part Q5.5-5.5NPB-2.5HW to 64 parts of water) to treat all vehicles. Leave all treated surfaces exposed to disinfectant solution for 10 minutes or more.

HATCHERIES:

1. Treat all surfaces thoroughly with Q5.5-5.5NPB-2.5HW solution by scrubbing with brush under high water pressure with emphasis on cracks and moulding where fungus and mold are usually located. 2. Use TWO ounces of Q5.5-5.5NPB-2.5HW per gallon of water (2 part Q5.5-5.5NPB-2.5HW to 64 parts of water) to treat hatchers, setters, trays, racks, carts, sexing tables, delivery trucks and other hard surfaces. Leave all treated surfaces exposed to disinfectant solution for 10 minutes or more.

SHOEBATHS: 1. Shoebaths containing one inch of freshly made disinfectant solution should be placed at all entrances to buildings and hatcheries. Change the disinfectant solution in the bath daily or when solution appears dirty.

(RIGHT/BACK PANEL)
(OPTIONAL SWINE AND POULTRY PREMISE LABEL)

DIRECTIONS FOR USE

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

SWINE AND POULTRY BUILDINGS,
HATCHERIES, DRESSING PLANTS

The first step in any sanitation program should be to remove gross contamination and debris. The efficacy of even the most efficient germicide/ cleaner is reduced in the presence of heavy organic matter. Evacuate all animals from buildings. Empty all troughs, racks and other feeding and watering equipment. Mix Q5.5-5.5NPB-2.5HW at the rate of TWO ounces per gallon of water (1:64) and saturate all surfaces for 10 minutes. Use 25-50 gallons of disinfectant solution per 1000 square feet of floor space. Ventilate buildings and other closed spaces. Do not house livestock or poultry or use equipment until treatment has been absorbed set or dried. Rinse equipment with potable water before reuse.

In poultry and animal dressing plants, disinfect equipment, utensils, interior and exterior walls, floors, offal and loading platforms with Q5.5-5.5NPB-2.5HW at the 1:64 dilution rate. Again, equipment and utensils must be thoroughly rinsed with potable water before reuse.

Equipment

Empty all troughs, racks and other feeding and watering appliances. Mix TWO ounces of Q5.5-5.5NPB-2.5HW Disinfectant per gallon of water (1:64) and treat all equipment for 10 minutes or more. Thoroughly scrub treated feeding and watering appliances with soap or detergent and rinse with potable water before reuse. Clean all vehicles including mats, crates, cabs and wheels with high pressure water and Q5.5-5.5NPB-2.5HW (1:64 dilution). Leave all treated surfaces exposed to disinfectant solution for 10 minutes or more.

ACCEPTED
with COMMENTS
in EPA Letter Dated
MAY 11 1990
U. S. Environmental Protection Agency
Washington, D. C. 20460
Registration No. 211-50

(RIGHT/BACK PANEL)
(HEALTH CARE FACILITY LABEL)

Q5.5-5.5NPB-2.5HW
DISINFECTANT-CLEANER-SANITIZER-FUNGICIDE
MILDEWSTAT-VIRUCIDE*-DEODORIZER-WHIRLPOOL CLEANER
DESIGNED FOR HOSPITAL, NURSING HOME AND INSTITUTIONAL USE
EFFECTIVE IN HARD WATER UP TO 400 PPM HARDNESS (CALCULATED AS CaCO3)
IN THE PRESENCE OF 5% SERUM CONTAMINATION
Formulated for Effective
Health Care Facility Sanitation

Formulation designed to clean and disinfect inanimate hard surfaces on Central Solution's fiberglass, stainless steel, chrome plated and/or acrylic bathing and physical therapy equipment such as whirlpools and patient transfer equipment.

PRODUCT COMPOSITION

Q5.5-5.5NPB-2.5HW contains four highly active quaternary ammonium compounds (listed as active ingredients) for bactericidal efficacy. Inert ingredients include a balance of alkaline builders, nonionic surfactants, and odor counteractants to enhance the cleaning and odor control characteristics.

When used as directed, Q5.5-5.5NPB-2.5HW has been found effective for use on all fiberglass, stainless steel, and chrome plated surfaces of Central Solution's bath, therapy and patient transfer equipment,

or cleaning Central Solution's bath and therapy equipment: To remove body oils, dead tissue, hard water and all other buildups of organic matter on inanimate surfaces, apply Q5.5-5.5NPB-2.5HW in a dilution of TWO part Q5.5-5.5NPB-2.5HW to three parts water. Clean equipment with this dilution according to procedures recommended by Central Solutions and rinse thoroughly with clear water.

Q5.5-5.5NPB-2.5HW is a phosphate free, concentrated, hospital grade germicidal-detergent effective in 10 minutes at 20 C, in hard water and in the presence of 5% blood serum, used to simulate organic soil. Q5.5-5.5NPB-2.5HW's multi-chain quaternary formula is designed to clean, disinfect and deodorize any washable, inanimate, non-porous surface in one easy step. When used as directed, Q5.5-5.5NPB-2.5HW is strong enough to kill a broad spectrum of pathogenic bacteria, yet it is mild enough to have no harmful effects on the surface being disinfected, when used as directed.

ACCEPTED
with COMMENTS
in EPA Label Book

MAY 11 1990

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MAY 11 1990

Page 13

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, this product is registered with EPA Reg. No. 211-50

(RIGHT/BACK PANEL)
(HEALTH CARE FACILITY LABEL)

Q5.5-5.5NPB-2.5HW is recommended for use by hospitals, nursing homes and any health care institutions that are dedicated to controlling the hazards of cross contamination in their establishments. For use on any hard, inanimate surface in patient rooms, restrooms, halls and public areas on carts, bed frames, walls, floors, stainless steel, porcelain, glass and chrome.

Q5.5-5.5NPB-2.5HW is a highly concentrated germicidal detergent formulated for use where broad spectrum disinfection is required in the presence of moderate amounts of organic soil.

Q5.5-5.5NPB-2.5HW is a proven "one-step" disinfectant-cleaner-sanitizer-fungicide-mildewstat-virucide* which is effective in water up to 400 ppm hardness in the presence of 5% serum contamination.

Apply Q5.5-5.5NPB-2.5HW to walls, floors and other hard (inanimate) surfaces such as tables, chairs, countertops, sinks, tile, porcelain, and bedframes with a cloth, mop or mechanical spray device so as to thoroughly wet surfaces. For heavily soiled areas, a preliminary cleaning is required. Prepare a fresh solution daily or when use solution becomes visibly dirty.

DISINFECTION-To disinfect hard, non-porous surfaces, in hospitals add 2 oz. per gallon of water. Treated surfaces must remain wet for 10 minutes. At this use level, Q5.5-5.5NPB-2.5HW is also virucidal, fungicidal, and fungistatic.

To disinfect hard, non-porous, inanimate surfaces (such as fiberglass and stainless steel tubs and chair surfaces, chrome plated intakes and lifts, etc.), apply properly diluted Q5.5-5.5NPB-2.5HW detergent/disinfectant so as to wet all surfaces thoroughly. For routine disinfection, proper dilution is 1:64. Allow to remain wet for 10 minutes, then let air dry. For heavily soiled areas, a pre-cleaning step is required and recommended. Prepare a fresh solution for each use.

SANITIZING-To sanitize porous and non-porous, non-food contact surfaces, add 1 ounce per 2 3/4 gallons of water. Treated surfaces must remain wet for 60 seconds.

2 oz. per gallon use-level. The broad spectrum activity of Q5.5-5.5NPB-2.5HW has been evaluated and found to be effective against the following organisms by the A.O.A.C. Use-Dilution test:

- | | |
|-------------------------|-----------------------------|
| Pseudomonas aeruginosa | Enterobacter aerogenes |
| Staphylococcus aureus | Streptococcus faecalis |
| Salmonella choleraesuis | Shigella dysenteriae |
| Escherichia coli | Brevibacterium ammoniagenes |
| Streptococcus pyogenes | Salmonella typhi |
| Klebsiella pneumoniae | Serratia marcescens |

(RIGHT/BACK PANEL)
(HEALTH CARE FACILITY LABEL)

MAY 11 1990

Use as directed
registered under EPA Reg. No. 100-100-100

EFFICACY PERFORMANCE

The broad spectrum efficacy of Q5.5-5.5NPB-2.5HW has been confirmed using A.O.A.C. protocol testing, as is required by the EPA, at a use-dilution of 1:64 in water up to 400 ppm hardness in the presence of 5% blood serum (used to simulate organic soil load), at 20 degrees Celcius with an exposure time of 10 minutes.

GERMICIDAL

Q5.5-5.5NPB-2.5HW is effective against the broad spectrum of Gram positive and Gram negative pathogens as confirmed against Salmonella choleraesuis, Staphylococcus aureus, and Pseudomonas aeruginosa by the AOAC Use Dilution Confirmation test.

FUNGICIDAL-AOAC FUNGICIDAL TEST

Q5.5-5.5NPB-2.5HW's fungicidal efficacy has been confirmed through testing using the AOAC Fungicidal Test against the pathogenic fungi, Trichophyton mentagrophytes. Q5.5-5.5NPB-2.5HW is an effective fungicide against Trichophyton mentagrophytes (the athlete's foot fungus) when used on surfaces in areas such as locker rooms, dressing rooms, shower and bath areas, exercise facilities, etc.

MOLD AND MILDEW CONTROL At 2 oz/gallon, Q5.5-5.5NPB-2.5HW will effectively inhibit the growth of mold and mildew and the odors caused by them when applied to hard, non-porous surfaces (as indicated in general instructions above). Allow to dry on surface and repeat when mildew growth returns.

*VIRUCIDAL PERFORMANCE At 2 oz. per gallon use-level, Q5.5-5.5NPB-2.5HW was evaluated and found to be effective against the Influenza A/Brazil virus on inanimate environmental surfaces.

SPECIAL INSTRUCTIONS FOR CLEANING AND DECONTAMINATION AGAINST HIV-1 (AIDS VIRUS) OF SURFACES/OBJECTS SOILED WITH BLOOD/BODY FLUIDS. KILLS HIV-1 ON PRE-CLEANED ENVIRONMENTAL SURFACES/OBJECTS PREVIOUSLY SOILED WITH BLOOD/BODY FLUIDS.

Disposable gloves should be worn when cleaning blood, body fluids, or contaminated items. Hands should be washed immediately and thoroughly after gloves are removed, or if hands are contaminated with blood or body fluids. Masks and protective eyewear or faceshields should be worn during cleaning procedures involving blood or body fluids. Gowns or aprons should be worn during cleaning procedures for protection against splashes of blood or other body fluids. Blood and other body fluids must be thoroughly cleaned from surfaces and objects before application of the disinfectant. After cleaning is complete, follow disinfection directions described previously. Contaminated waste, blood and other body fluids should be autoclaved and disposed according to local regulations for infectious waste disposal.

SANITIZING NON-FOOD CONTACT SURFACES(such as floors, walls, tables, etc.)
At 2 ounces per 2 3/4 gallon use-level, Q5.5-5.5NPB-2.5HW is an effective sanitizer against Staphylococcus aureus and Klebsiella pneumoniae on hard porous and non-porous environmental surfaces.

Q5.5-5.5NPB-2.5HW is a one-step disinfectant cleaner that is effective against a broad spectrum of bacteria, is virucidal*, fungicidal, and will prevent the growth of mold and mildew and their odors when used as directed.

When used as directed, Q5.5-5.5NPB-2.5HW will deodorize surfaces in toilet areas, behind and under sinks and counters, garbage cans and garbage storage areas, and other places where bacterial growth can cause malodors.

DIRECTIONS FOR USE

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

DISINFECTION:

For broad spectrum disinfection of gram negative and gram positive bacteria, including Pseudomonas aeruginosa and Staphylococcus aureus add TWO ounces Q5.5-5.5NPB-2.5HW to the gallon of water. Remove heavy soil or gross filth then apply solution with a mop, cloth, sponge or mechanical sprayer so as to wet the surface thoroughly. Allow to remain wet for 10 minutes and then let air dry. If higher detergency is desired, increase dilution to 4 to 6 ounces per gallon of water. Prepare a fresh solution for each use.

At TWO ounces to the gallon of water Q5.5-5.5NPB-2.5HW is also effective against Trichophyton mentagrophytes (the athletes' foot fungus) in use areas such as shower room floors, locker room benches, bathmats, or any other hard non-porous, inanimate environmental surfaces.

ACCEPTED
with COMMENTS
in EPA Letter D-104
MAY 11 1990

United States
Environmental Protection Agency
Washington, D.C. 20460
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