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PRODUCT COMPOSITION:

04.5-5.0PB-4.5 contains two highly active twin chain quaternary ammonium compounds (listed as active ingredients) for bactericidal efficacy. Inert ingredients include a balance of alkaline builders, non-toxic surfactants, and odor counteractants to enhance the cleaning and odor control characteristics.

When used as directed, 04.5-5.0PB-4.5 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.

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. Wear goggles or face shield and rubber gloves when handling. Harmful or fatal if swallowed. Avoid contamination of food.

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, fertilizers, food and feed. Avoid storage at temperature extremes or in sunlight.

PESTICIDE DISPOSAL

Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

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.

ONLY FOR SALE TO, USE AND STORAGE BY SERVICE PERSONS

04.5-5.0PB-4.5

Formulation Designed to Clean and Disinfect Inanimate Hard Surfaces of Central Solution's Fiberglass, Stainless Steel, Chrome Plated and/or Acrylic Bathing and Physical Therapy Equipment such as Whirlpools and Patient Transfer Equipment.

**DISINFECTANT, DEODORIZER, FUNGICIDE, VIRUCIDE* WHIRLPOOL CLEANER
DESIGNED FOR HOSPITAL, NURSING HOME AND INSTITUTIONAL USE**

ACTIVE INGREDIENTS:

n-Alkyl (BSC₁₂, 3C₁₂, 5C₁₂, 5C₁₂) dimethyl benzyl ammonium chlorides ... 2.25%

n-Alkyl (BSC₁₂, 3C₁₂, 5C₁₂) dimethyl ethylbenzyl ammonium chlorides ... 2.25%

INERT INGREDIENTS 95.50%

TOTAL 100.00%

**KEEP OUT OF REACH
OF CHILDREN**

DANGER

Statement of Precaution 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 contaminated clothing before reuse.

If swallowed, drink promptly a large quantity of milk, egg whites, gelatin solution or if these are not available, drink large quantities of water. Avoid alcohol. Call a physician immediately.

NOTE TO PHYSICIAN: Possible mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, as well as oxygen and measures to support breathing manually or mechanically may be needed.

SEE LEFT PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS



CENTRAL SOLUTIONS, INC.

P.O. Box 152-76
2001 BIRMINGHAM, BIRMINGHAM, MISSISSIPPI 38203

EPA EST. NO 211-451
EPA REG. NO 211-40

NET CONTENTS GAL

ACCEPTED
BY THE DEPARTMENT
OF AGRICULTURE
IN EPA 1-10-17-18

AUG 01 1988

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended for the pesticide registered under EPA Reg No 211-45

FOR 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 04.5-5.0PB-4.5 in a dilution of one part 04.5-5.0PB-4.5 to three parts water. Clean equipment with this dilution according to procedures recommended by Central Solutions and rinse thoroughly with clear water.

DIRECTIONS FOR USE

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

DISINFECTANT: 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 04.5-5.0PB-4.5 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.

PERFORMANCE DATA

EFFICACY TESTS HAVE DEMONSTRATED THAT 04.5-5.0PB-4.5 IS AN EFFECTIVE BACTERICIDE, FUNGICIDE AND VIRUCIDE* ON HARD, NON-POROUS INANIMATE SURFACES IN THE PRESENCE OF MODERATE AMOUNTS OF ORGANIC SOIL (5% BLOOD SERUM). ALL TESTS HAVE BEEN PERFORMED AT A 1:64 DILUTION OF 04.5-5.0PB-4.5.

BACTERICIDE

The broad spectrum activity of 04.5-5.0PB-4.5 has been confirmed against the following organisms:

- Pseudomonas aeruginosa*
- Escherichia coli*
- Serratia marcescens*
- Proteus vulgaris*

- Staphylococcus aureus*
- Mycobacterium fortuitum*
- Clostridium botulinum*
- Candida albicans*

FUNGICIDE

04.5-5.0PB-4.5's efficacy as a fungicide has been confirmed through testing against the pathogenic fungi, *Trichophyton mentagrophytes*.

VIRUCIDE

Testing of 04.5-5.0PB-4.5 has confirmed its virucidal activity against many lipophilic viruses including:

- Influenza A2-Bangkok (representative of the common flu virus)
- Herpes simplex..... (causative agent of fever blisters and mononucleosis)

- Adeno virus type 2..... (causative agent of upper respiratory infections)
- Vaccinia virus (representative of the pox virus group)

Central Solution, Inc.
3130 Brinkerhoff Rd.
Kansas City, KS 66115

Attention: Richard Kueser

Gentlemen:

Subject: O-4.5 - 5.0 PB-4.5
EPA Registration No. 211-40
Your Amendment Dated April 18, 1988

The submitted data and information completes and clarifies the data report.

The submitted labels would be acceptable provided that you make the labeling changes listed below before you release the product for shipment bearing the amended labeling.

Under "Disinfection" revise the statement "To disinfectapply properly diluted Q4.5-5.0PB4.5 detergent/disinfectant....." to read "To disinfect..... apply properly diluted Q4.5-5.0PB4.5 detergent/disinfectant with mop, cloth, sponge, or mechanical sprayer.....". Also, revise the statement "For routine disinfection, proper dilution is 1:64" to read "For routine disinfection proper dilution is 2 ounces of Q4.5-5.0PB-4.5 per gallon of water (1:64)"

Under "VIRUCIDAL" change "Herpes simplex.....(causative agent of fever blisters and mononucleosis)" to read "Herpes simplex type 1.....(causative agent of fever blisters)

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

A stamped copy is enclosed for your records.

CONCURRENCES

SYMBOL								
SURNAME								
DATE								

pm31
211-40
2 of 3

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If you have any questions concerning this letter please
call Mr. Robert Young (703-557-3966).

Sincerely yours,

John H. Lee
Product Manager (31)
Disinfectant Branch
Registration Division

TS-767C:JLee:mb:Monica#1Disk:7/27/88:Rm-711:557-3675 .

PRODUCT COMPOSITION

04.5-5.0PB-4.5

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When used as directed, 04.5-5.0PB-4.5 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.

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. Wear goggles or face shield and rubber gloves when handling. Harmful or fatal if swallowed. Avoid contamination of food.

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

Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

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.

ONLY FOR SALE TO, USE AND STORAGE BY SERVICE PERSONS.

Formulation Designed to Clean and Disinfect Inanimate Hard Central Solution's Fiberglass, Stainless Steel, Chrome Plated Acrylic Bathing and Physical Therapy Equipment such as Wheelchair and Patient Transfer Equipment.

DISINFECTANT, DEODORIZER, FUNGICIDE, VIRUCIDE* WHIRLPOOL CLEANER
DESIGNED FOR HOSPITAL, NURSING HOME AND INSTITUTIONS

ACTIVE INGREDIENTS:

n-Alkyl (60% C₁₂, 30% C₁₄, 5% C₁₆, 5% C₁₈) dimethyl benzyl ammonium chloride
n-Alkyl (68% C₁₂, 32% C₁₄) dimethyl ethylbenzyl ammonium chlorides

INERT INGREDIENTS:

KEEP OUT OF REACH OF CHILDREN

DANGER

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 contaminated clothing before reuse.

If swallowed drink promptly a large quantity of milk, egg whites, gelatin solution or water. If none are not available drink large quantities of water. Avoid alcohol. Call a physician immediately.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of oxygen. Measures against circulatory shock, as well as oxygen and measures to support respiration, may be needed.

SEE LEFT PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS



CENTRAL SOLUTIONS, INC.

P.O. Box 15276

3130 BROWNEHOFF, KANSAS CITY, KANSAS 64115

EPA EST. NO. 211-KS1

EPA REG. NO. 211-40

NET CONTENT

ACCEPTED with COMMENTS in EPA Letter Dated:

AUG 01 1988

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

211-40