

FEB 28 1995

Paul Nobrega
Central Solutions, Inc.
3130 Brinkerhoff Road
P.O. Box 15276
Kansas City, KS 66115

Subject: Tri-Cen
EPA Registration No. 211-36
Your Amendment Dated May 3, 1994

Dear Mr. Nobrega:

This is in response to your labeling amendment containing expanded directions for use.

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable subject to the comments listed below. A stamped copy is enclosed for your records.

1. Above the statements, "Product and container sterilized and distributed by..." and "Sterile pharmaceutical clean room formula," the following statement in brackets is added for the record, and is incorporated as part of the EPA-accepted draft labeling but is not required to appear in the final printed labeling:

"[Statements to be added only to labels of containers destined for pharmaceutical clean rooms:]"

2. In the directions for treatment of whirlpool baths (page 6 of the draft labeling), at the end of the first paragraph replace the word "disinfection" with "sanitization". Also add a statement such as, "Where whirlpool units, drains, and intake valves cannot be disassembled and manually pre-cleaned, claims of antimicrobial activity are limited to sanitization."

CONCURRENCES

SYMBOL							
SURNAME							
DATE							

3. To the Dental Instrument Use directions found on pages 18 and 19 of the draft labeling, add the following statement, in accordance with Pesticide Regulation (PR) Notice 94-4:

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.

4. A net contents statement must appear on the label.

Submit five copies of the finished labeling before the product is released for shipment bearing the amended labeling.

If you have any questions about these comments, please call Wallace Powell at 703-305-6938.

Sincerely,



Ruth G. Douglas
Product Manager 32
Antimicrobial Program Branch
Registration Division (7505C)

Enclosure

50421

(CENTER PANEL)
(REQUIRED)

TRI-CEN

Germicidal/Detergent With Organic Soil Tolerance
Tuberculocidal - Germicidal
Pseudomonacidal - Fungicidal
Virucidal*
Formulated for Effective
Health Care Facility Sanitation

TRI-CEN

GERMICIDAL DETERGENT
WITH ORGANIC SOIL TOLERANCE

TUBERCULOCIDAL - PSEUDOMONACIDAL
GERMICIDAL - FUNGICIDAL

A highly effective combination odor counteractant,
soapless cleaner, and activated phenolic germicide

Active Ingredients	
Sodium ortho-benzyl-para-chlorophenate.....	4.40%
Sodium ortho-phenylphenate.....	2.82%
Sodium para-tertiary-amylphenate.....	2.49%
Inert Ingredients.....	90.29%

KEEP OUT OF REACH OF CHILDREN
DANGER



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

SEE BACK LABEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

**ACCEPTED
with COMMENTS
in EPA Label Data
FEB 28 1995**

Under the Federal Insecticide,
Fungicide and Rodenticide Act
as amended for the purpose
registered under FIFRA Act 24
211-26

42/21

[Alternative label text for center panel]

[Statements to be added only to labels of containers destined for pharmaceutical clean rooms:]

Product and container sterilized and distributed by _____.

Sterile pharmaceutical clean room formula.

ACCEPTED
with COMMENTS
to EPA under 106
FEB 28 1995

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA reg. no.
211-36

5921

(LEFT PANEL)
(REQUIRED)

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 Control 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.

EPA Reg. No. 211-36

EPA Est. No. 211-KS-1

ALTERNATE (Use when container size less than 1 gallon)

STORAGE AND DISPOSAL - Do not contaminate water, food or feed by storage or disposal

STORAGE - Store in securely closed original container. Avoid storage at temperature extremes or sunlight.

PESTICIDE DISPOSAL - Securely wrap original container in several layers of newspaper and discard in trash.

CONTAINER DISPOSAL -Do not reuse container. Replace cap and discard container in trash.

ACCEPTED
with COMMENTS
to EPA Letter Date
FEB 28 1995

Under the Federal Insecticide, Fungicide, and Rodenticide Act
as amended for the Pesticide
Registration Act, EPA Reg. No.
211-36

60721

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 broad spectrum disinfection of gram negative and gram positive bacteria, including *Pseudomonas aeruginosa*, add 1 ounce TRI-CEN to the gallon of water. Remove heavy soil or gross filth then apply solution with a mop, cloth, sponge, mechanical sprayer, or hand pump trigger sprayer, so as to wet the surface thoroughly. Allow to remain wet for 10 minutes and then let air dry. Where Tuberculocidal activity is required, clean the surface prior to application of the disinfectant solution. If higher detergency is desired, increase dilution to 2 ounces per gallon of water. Prepare a fresh solution for each use.

(OR)

For broad spectrum disinfection of gram negative and gram positive bacteria, including *Pseudomonas aeruginosa*, add 1 ounce TRI-CEN to the gallon of water. Remove heavy soil or gross filth then apply solution with a mop, cloth, sponge, mechanical sprayer, or hand-pump trigger sprayer, so as to wet the surface thoroughly. Allow to remain wet for 10 minutes and then let air dry. Where Tuberculocidal activity is required, allow the disinfectant solution to remain on the surface for 15 minutes. If higher detergency is desired, increase dilution to 2 ounces per gallon of water. Prepare a fresh solution for each use.

TRI-CEN is a phosphate free, concentrated, hospital germicidal-detergent effective in 10 minutes at 20° C, in the presence of 5% blood serum, used to simulate organic soil. TRI-CEN's multi phenolic formula is designed to clean, disinfect and deodorize any washable, inanimate, non-porous surface in one easy step. When used as directed, TRI-CEN 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.

TRI-CEN 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

TRI-CEN is a highly concentrated germicidal detergent formulated for use where broad spectrum disinfection is required in the presence of moderate amounts of organic soil.

ACCEPTED
with COMMENTS
by EPA Region Director
FEB 28 1995
Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the Fungicide
registered under EPA Reg. No.
211-36

7/21

ACCEPTED
with COMMENTS
in EPA Letter #1000

(Health Care Use)

Under the Federal Insecticide, Fungicide, and Herbicide Act as amended, for the pesticide registered under EPA Reg. No. 211-36

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 broad spectrum disinfection of gram negative and gram positive bacteria, including *Pseudomonas aeruginosa*, add 1 ounce TRI-CEN to the gallon of water. Remove heavy soil or gross filth then apply solution with a mop, cloth, sponge, mechanical sprayer, or hand pump trigger sprayer so as to wet the surface thoroughly. Allow to remain wet for 10 minutes and then let air dry. Where Tuberculocidal activity is required, clean the surface prior to application of the disinfectant solution. If higher detergency is desired, increased dilution to 2 ounces per gallon of water. Prepare a fresh solution for each use.

(OR)

For broad spectrum disinfection of gram negative and gram positive bacteria, including *Pseudomonas aeruginosa*, add 1 ounce TRI-CEN to the gallon of water. Remove heavy soil or gross filth then apply solution with a mop, cloth, sponge, mechanical sprayer, or hand pump trigger sprayer, so as to wet the surface thoroughly. Allow to remain wet for 10 minutes and then let air dry. Where Tuberculocidal activity is required, allow the disinfectant solution to remain on the surface for 15 minutes. If higher detergency is desired, increase dilution to 2 ounces per gallon of water. Prepare a fresh solution for each use.

EFFICACY PERFORMANCE

The broad spectrum efficacy of TRI-CEN has been confirmed using A.O.A.C. Protocol testing at a use-dilution of 1:128 in the presence of 5% blood serum (used to simulate organic soil load) at 20 degrees Celsius with an exposure time of 10 minutes.

GERMICIDAL:

TRI-CEN 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 test, in the presence of 5% organic soil load at 20 degrees Celsius with an exposure time of 10 minutes.

FUNGICIDAL:

At 1 ounce per gallon of water, TRI-CEN is also effective against *Trichophyton mentagrophytes*, (the athlete's foot fungus) in use areas such as shower room floors, locker room benches, bathmats or any other hard nonporous, inanimate environmental surfaces.

TUBERCULOCIDAL:

TRI-CEN disinfectant's effectiveness against *Mycobacterium bovis* (BCG) is demonstrated through testing using the AOAC Method "Confirmative in Vitro Test for Determining Tuberculocidal Activity" in 15 minutes at 20° C. Where Tuberculocidal activity is required, allow the disinfectant solution to remain on the surface for 15 minutes.

VIRUCIDAL

***KILLS HIV-1 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 AIDS).

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

PERSONAL PROTECTION:

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.

CLEANING PROCEDURE:

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. Contact time: Leave surfaces wet for 10 minutes. Let air dry.

DISPOSAL OF INFECTIOUS MATERIALS:

Contaminated waste and blood and other body fluids should be autoclaved and disposed according to local regulations for infectious waste disposal.

ACCEPTED
with COMMENTS
by EPA Region 8
- FEB 28 1995
Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
211-36

(WHIRLPOOL BATHING USE)

DIRECTIONS FOR CLEANING FIBERGLASS BATH AND THERAPY EQUIPMENT: To remove body oils, dead tissue, hard water, and all other buildups of organic matter on inanimate surfaces after using the whirlpool unit, drain the water and refill with fresh water to just cover the intake valve. Add 1 ounce of Tri-Cen for each gallon of water in the unit at this point. Briefly start the pump to circulate the solution. Turn off pump. Wash down the unit sides, seat of the chairlift, and any/all related equipment with a clean swab or sponge. After the unit has been thoroughly cleaned, drain solutions from the unit and rinse any/all cleaned surfaces with fresh water. The unit is ready for re-use Product to surface contact time must be at least 10 minutes for proper disinfection.

When used as directed, Tri-Cen has been found effective for use on all fiberglass, stainless steel, and chrome plated surfaces of bath, therapy, and patient transfer equipment.

ACCEPTED
BY ELEMENTS
IN EPA LABORATORY

FEB 28 1995

Under the Federal Insecticide,
Fungicide and Rodenticide Act
is approved for use in the
registered under EPA Reg No.
211-36

(HAIR SALON USE)

Tri-Cen is recommended for use on brushes, combs, rollers, manicure, and other salon tools commonly found in beauty salons, barber shops, and hairstyling establishments.

Tri-Cen is highly effective for immersion disinfection of inanimate, non-porous surfaces. Use at a use dilution of 1:128 (1/4 ounce per 32 ounces of water, or 8 ml per liter).

DISINFECTION: Thoroughly clean and rinse instruments before immersion in disinfection solution. Immerse instruments completely for 10 minutes at room temperature (20°C/68°F). After immersion, remove instruments and rinse them thoroughly. Fresh solution should be prepared daily or more often if solution becomes visibly dirty.

CONFIRMATION: When tested with full immersion at room temperature for 10 minutes in a solution created as above, Tri-Cen was confirmed effective against Mycobacterium tuberculosis, Pseudomonas aeruginosa, Staphylococcus aureus, Salmonella choleraesuis and Trichophyton mentagrophytes

ACCEPTED
 2020 CUMULATIVE
 EIA ACTION PLAN
 FEB 28 1995
 Under the Federal Insecticide, Fungicide, and Herbicide Act, amended for the purpose of registration under EIA law.
 211-36

11/21

(MUSHROOM FARM PREMISE USE)

GERMICIDAL-DETERGENT WITH ORGANIC SOIL TOLERANCE
FORMULATED FOR MUSHROOM FARM SANITATION

TRI-CEN 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

GERMICIDAL:

TRI-CEN has been tested and found effective against bacteria detrimental to the mushroom crop including
Pseudomonas fluorescens (Biotype G)...Bacterial Blotch
Disease
Pseudomonas aeruginosa.....Mummy Disease

FUNGICIDAL:

Fungi specific to the mushroom industry which TRI-CEN has been tested against and found effective include.
Verticillium fungicola...(Verticillium disease, Brown spot or Fungus spot)
Mycogone perniciosa...(Mycogone disease or Wet bubble)
Tricoderma viride.....(Tricoderma spot, Tricoderma blotch, Tricoderma mildew, Green mold)
Dactylium dendroides...(Hypomyces mildew, Cobweb, Soft decay)

MUSHROOM FARM INDUSTRY USE

General Information

TRI-CEN is a phosphate free, germicidal detergent effective in the presence or moderate amounts of organic soil on a variety of surfaces found at mushroom farms. TRI-CEN's tri-phenolic formula is designed for one-step cleaning and disinfecting of hard inanimate non-porous environmental surfaces. TRI-CEN is strong enough to have no harmful effects on the surfaces being treated when used as directed.

kill a broad spectrum of microbial mushroom pests, yet mild enough to

Areas of Use

TRI-CEN 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 TRI-CEN should be limited to areas where compost and mushrooms are not present

ACCEPTED
By EPA under FIFRA
FEB 28 1997
Under the Federal Insecticide, Fungicide, and Rodenticide Act
as amended for the products
registered under FIFRA (Law No. 92-211-36)

(MUSHROOM FARM PREMISE USE)

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.

CLEANING AND DISINFECTION

For all general cleaning and disinfection, use 1 ounce of TRI-CEN per gallon of water (1:128 dilution). Apply TRI-CEN 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 TRI-CEN two ounces of concentrate to each gallon of water. Heavily soiled areas may require repeated cleaning before treatment.

Apply TRI-CEN 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
by EPA Region 10
FEB 28 1995

Under the Fungicide, Insecticide,
Fumigant, and Rodenticide Act
amended, for the Fungicide
registered under EPA Reg. No.
211-36

13021

(POULTRY AND SWINE PREMISE USE)

Formulated for Effective
Poultry & Swine Premise Sanitation

DIRECTIONS FOR USE

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

ACCEPTED
by U.S. EPA
in EPA Labeling
FEB 28 1995
Under the Federal Insecticide,
Fungicide, and Rodenticide Act
amended for the Insecticide
Registration Act
211-36

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, infection can be accomplished in a single step.

CLEANING AND DISINFECTION

For all general cleaning and disinfection, use 1 ounce of TRI-CEN per gallon of water (1:128 solution). Apply TRI-CEN 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.

EFFICACY PERFORMANCE

The broad spectrum efficacy of TRI-CEN has been confirmed using A.O.A.C. protocol testing at a use-dilution of 1:128 in the presence of 5% blood serum (used to simulate organic soil load), at 20 degrees Celsius with an exposure time of 10 minutes.

GERMICIDAL

TRI-CEN 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 A.O.A.C. Use Dilution Confirmation Test.

FUNGICIDAL

TRI-CEN's fungicidal efficacy has been confirmed through testing using the A O A C Fungicidal Test against the pathogenic fungi, Trichophyton mentagrophytes.

*VIRUCIDAL

Virucidal testing using prescribed E.P.A. testing procedures has verified TRI-CEN'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 Virus | Pseudorabies Virus |

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Page 11
ACCEPTED
with COMMENTS
EPA Region 10
10/15

Under the Federal Insecticide, Fungicide and Rodenticide Act amended for the purpose of being used under EPA's new Act
2-11-96

(POULTRY AND SWINE PREMISE USE)

AREAS OF USE
POULTRY PREMISE SANITATION (HATCHERIES)

- Egg Receiving Area
- Egg Holding Area
- Setter Room
- Hatchery Room
- Poultry Buildings

- Tray Dumping Area
- Chick Procession Area
- Chick Holding Room or Area
- Chick Loading Area
- Hauling Equipment

APPLICATION AND USE DILUTION'S

POULTRY HOUSES:

1. Remove all poultry and feeds from premises, trucks, coops, and crates. Remove all liter and droppings from floors, walls, and surfaces of facilities occupied or traversed by poultry. Empty all troughs, racks, and other feeding and watering appliances. Thoroughly clean all surfaces with soap or detergent and rinse with water
2. Use 1 ounce of TRI-CEN 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 1 ounce of TRI-CEN 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, rack, feeding and watering bins, buckets and fountains.
2. Use 1 ounce of TRI-CEN 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 TRI-CEN disinfectant. Use 1 ounce per gallon of water to treat all vehicles. Leave all treated surfaces exposed to disinfectant solution for 10 minutes or more.

SHOEBATHS

1. Shoebath 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

ALL COMMENTS
with COMMENTS
to EPA Label Desk
FEB 28 1995
Under the Federal Insecticide,
Fungicide, and Rodenticide Act
amended for the 1992-93
Season under EPA Reg. No.
211-316

(POULTRY AND SWINE PREMISE USE)

POULTRY AND ANIMAL INDUSTRY USE

FOR CLEANING AND DISINFECTION OF:

EQUIPMENT including feeders, waterers, fans, racks, troughs, bins and buckets. VEHICLES including live haul poultry delivery truck, 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

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

MISCELLANEOUS

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

General Disinfection Uses:

It 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 thoroughly rinsed with potable water before operations are resumed. Disinfect offal rooms, exterior walls and loading platforms of dressing plants.

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APPROVED Page 13
EPA Water Unit
FEB 28 1995

(POULTRY, SWINE AND FARM USE)

APPLICATION AND USE DILUTION'S

Under the Federal Insecticide, Fungicide, and Rodenticide Act
Registered under EPA Reg. No. 211-36

FARM PREMISE:

DO NOT USE IN MILKING STALLS, MILKING PARLORS OR MILK HOUSES.

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. Thoroughly clean surfaces with soap or detergent and rinse with water.
2. Use 1 ounce of TRI-CEN per gallon of water (1 part TRI-CEN to 128 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 aired. Thoroughly scrub all treated feed racks, troughs, automatic feeder, fountains, and waterers with soap or detergent and rinse with potable water before reuse.

EQUIPMENT:

1. Empty all troughs, racks, feeding and watering bins, buckets and fountains.
2. Use 1 ounce of TRI-CEN per gallon of water (1 part TRI-CEN to 128 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 TRI-CEN solutions
2. Use 1 ounce of TRI-CEN per gallon of water (1 part TRI-CEN to 128 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 TRI-CEN solution by scrubbing with brush under high water pressure with emphasis on cracks and moulding where fungus and mold are usually located.
2. Use 1 ounce of TRI-CEN per gallon of water (1 part TRI-CEN to 12 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 SANITIZER:

1. Shoebath 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

179/21

(OPTIONAL SWINE AND POULTRY PREMISE USE)

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. Remove all animals, poultry, and feeds from buildings, vehicles and enclosures. Empty all troughs, racks and other feeding and watering equipment. Mix TRI-CEN at the rate of 1 ounce per gallon of water (1:128) 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 poultry or use equipment until treatment has been absorbed set or dried. Rinse equipment with potable water before reuse. Thoroughly scrub all treated feed racks, troughs, automatic feeders, fountains and waterers with soap or detergent and rinse with water before reuse.

In poultry and animal dressing plants, disinfect equipment, utensils, interior and exterior walls, floors, offal and loading platforms with TRI-CEN at the 1:128 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. Thoroughly clean all surfaces with soap or detergent and rinse with water. Mix 1 ounce of TRI-CEN disinfectant per gallon of water (1:128) 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 TRI-CEN (1:128 dilution). Leave all treated surfaces exposed to disinfectant solution for 10 minutes or more.

ACCEPTED
with COMMENTS
by EPA Letter Dated
FEB 28 1995
Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
211-26

18/2/21

Page 15
ACCEPTED
with COMMENTS
in EPA Letter Dated
EPA-5-1995

Under the Federal Insecticide, Fungicide, and Rodenticide Act
Registered under EPA Reg. No.
241-36

(AQUACULTURE USE)

Germicidal-Detergent Formulated For Disinfecting Tools, Equipment
and Surfaces in Greenhouses, Micropropagation Laboratories,
Aquaculture and Hydroponic Farms Facilities, or Plants.

WARNING!!!

****MUST NOT COME IN CONTACT WITH EDIBLE CROPS****

GENERAL INFORMATION:

TRI-CEN disinfectant is a phosphate free, germicidal detergent effective in the presence of moderate amounts of organic matter on a variety of surfaces found in greenhouses, micropropagation laboratories, aquaculture and hydroponic farms. TRI-CEN's multisynthetic phenolic formula is designed for one-step cleaning and disinfecting hard inanimate nonporous surfaces. TRI-CEN is strong enough to kill a broad spectrum of plant pathogens and pests, yet mild enough to have no harmful effects on the surfaces being treated when as directed.

AREAS OF USE:

TRI-CEN is designed to be used between crops, or between daily work procedures on surfaces, tools and equipment that do not come in contact with edible crops. Areas of intended use include tools, floors, walls, bench tops, potting areas, headhouses, dry storage areas, sheds, barns, automated potting equipment, cultivating and planting equipment, pruning and budding equipment, pallets and pallet moving equipment. **DO NOT APPLY TO CROP, SOIL OR GROWING MEDIA IN WHICH A CROP GROWS OR WILL BE GROWN!** To assure compliance, rinse treated surfaces and tools with potable water before they contact the crop or the substrate in which the crop is or will be growing.

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 1 ounce of TRI-CEN per gallon of water (1:128 solution). Apply TRI-CEN 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.

90/21

(AQUACULTURE USE)

EFFICACY PERFORMANCE

The broad spectrum efficacy of TRI-CEN has been confirmed using A.O.A.C. protocol testing at a use-dilution of 1:128 in the presence of 5% blood serum (used to simulate organic soil load) , at 20 degrees Celsius with an exposure time of 10 minutes.

GERMICIDAL

TRI-CEN has been tested and is effective against bacteria recognized as detrimental to a variety of crops grown in controlled environments. Bacterial plant pathogens found susceptible to the killing power of TRI-CEN include

-) Pseudomonas solanacearum..... Southern Bacterial Wilt
- Pseudomonas cichorii..... Bacterial Leaf Spot and Blight
- Erwinia caratovora..... Soft Rot
- Erwinia chrysanthemi..... Soft Rot, Leaf Spot, Bacterial Blight
- Agrobacterium tumifaciens..... Crown Gall
- Xanthomonas pelargoni..... Bacterial Blight
- Xanthomonas campestris..... Stem Rot, Leaf Spot, Bacterial Blight

FUNGICIDAL

Common fungal pathogens of plants found to be effectively controlled by TRI-CEN include

-) Botrytis cinerea..... Grey Mold, Stem Rot, Bulb Rot, Flower or Blossom Blight, Storage Rot, Leaf Blight
- Fusarium oxysporum..... Fusarium Wilt
- Phytophthora cinnamoni..... Phytophthora root rot
- Phthium ultimum..... Damping off, Soft Rot, Root Rot
- Rhizoctonia solani..... Damping off, Stem Rot, Wire Stem, Root Rot
- Verticillium albo-atrum..... Verticillium Wilt

ACCEPTED
with COMMENTS
EPA Label Labels
FEB 28 1995
 Under the Federal Insecticide,
 Fungicide, and Rodenticide Act
 as amended, for the Insecticide
 registered under EPA Reg. No.
 211-26

20921

(DENTAL INSTRUMENT USE)

DISINFECTANT CLEANER-SUPER CONCENTRATE FOR ULTRASONIC USE
INSTRUMENT PRESOAK
DISINFECTANT ULTRASONIC CLEANER CONCENTRATE

A highly effective multi phenolic germicide for cleaning instruments at chairside and immersion disinfection. **MAKES (X) GALLONS** -The contents of this bottle dilute to make (X) gallons. (X) liters disinfectant cleaning solution. Hospital Concentrate - FOR PROFESSIONAL USE ONLY - NOT RECOMMENDED FOR PLASTIC AND RUBBER.

- ♦ Ideal as a chairside pre-soak for instruments
- ♦ Ideal as a holding solution prior to ultrasonic cleaning
- ♦ Prevents drying of blood, serum and debris
- ♦ Promotes safer instrument handling
- ♦ Won't discolor instruments or surfaces
- ♦ Effective as a hard surface disinfectant
- ♦ Pleasantly scented
- ♦ Super concentrated-makes (X) gallons of solution (X will depend on the size of container)

ACCEPTED
with COMMENTS
by EPA Letter 2/28/95

FEB 28 1995

Under the Federal Insecticide, Fungicide, and Rodenticide Act or amended, for the purpose of registration under FIFRA 72

211-36

DIRECTIONS FOR USE

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

USE:

TRI-CEN instrument pre-soak is a highly effective germicide detergent for immersion disinfection of inanimate, non-porous surfaces on instruments and appliances. Use at a dilution of 1:128 (1/4 ounce of TRI-CEN per quart of water or 8 ml per liter).

DILUTION:

Remove outer cap. While holding bottle by its neck, twist off the inner cap and discard. Replace outer cap loosely. Gently squeeze the lower chamber until the upper reservoir is filled to the desired level (1/4 oz per quart of water, or 8 ml per liter of water). Pour the concentrate into the tray or ultrasonic tank and add water to the recommended level.

CHAIRSIDE PRE-SOAK:

Place soiled instrument in holding tray solution until ready to be cleaned. If instrument is required again for the same patient, remove from holding solution and rinse thoroughly under gently running tepid water. Dispose of used solution after each patient. Rinse items prior to ultrasonic cleaning.

DISINFECTION:

Thoroughly clean and rinse instruments to remove excess debris, preferably in a ultrasonic cleaner before immersing in freshly prepared disinfectant solution. Cleanse and rinse the lumens of any hollow instruments before filling with solution. Avoid entrapment of air bubbles. All instruments and devices must be rinsed and rough dried before immersion in the disinfectant solution. Immerse instruments completely for 10 minutes at room temperature (20° C/68° F) to destroy the broad spectrum of Gram positive and Gram negative bacteria, pathogenic fungi and Mycobacterium tuberculosis. After immersion, remove instruments and rinse them thoroughly. Prepare a fresh holding solution daily or sooner, if solution is visibly dirty.

2/2/95

For cleaning or disinfection of inanimate, non-porous surfaces of dental and laboratory instruments and appliances in ultrasound equipment use TRI-CEN at a dilution of 1:128 (1 oz TRI-CEN per gallon of water), (1/4 ounce per quart of water). Fill tank or beaker with water to recommended level. Fill upper reservoir of dispenser bottle to correct level to attain use dilution, and add to tank or beaker. Add precleaned instruments to solution so surfaces remain wet for 10 minutes. Always cover tank or beaker when unit is operating. Always turn off machine when removing items. Operate the ultrasonic cleaner no more than 15 minutes to minimize vaporization. Do not allow solution to overheat. Prepare a fresh solution daily, or sooner, when solution is visibly dirty. Do not mix with other chemicals. Clean and rinse tank daily.

ACCEPTED
with COMMENTS
by EPA Contact Labeler
FEB 28 1995
Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
211-26