

APR 16 1987

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Central Chemical Company, Inc.
3130 Brinkerhoff Road
P.O. Box 15276
Kansas City, KS 66115

Attention: Richard Kueser
Director of Plant Operations

Gentlemen:

Subject: Tri-Cen
EPA Registration No. 211-36
Your Submission Dated August 13, 1986

This will respond to your submission of August 13, 1986 regarding the subject product. We have completed our evaluation of the efficacy data submitted in response to our letter dated July 7, 1986. The results of our evaluation are indicated below:

1. The submitted data developed by the AOAC Fungicidal Test are adequate to support effectiveness of the product as a fungicide against pathogenic fungi (vs. Trichophyton mentagrophytes) at a 1:128 dilution for precleaned hard, nonporous, inanimate surfaces which are thoroughly wetted by the solution and allowed to remain wet for a contact time of at least 10 minutes.
2. The submitted data tested in the presence of 5% serum appear to be adequate and are acceptable; however, you should provide neutralization data to document the absence of residual effects of the active ingredient in the subculture medium. For specifics, refer to item #7 of DIS/TSS-2 enclosure.

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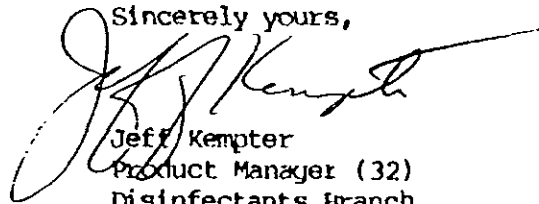
CONCURRENCES

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The amendment for this product dated February 17, 1986 is acceptable provided that you submit the neutralization data requested in item 2 above within seventy-five (75) days.

A stamped copy of the draft label is enclosed for your records. Submit five (5) copies of the final printed labeling when printing is completed.

Sincerely yours,



Jeff Kemper
Product Manager (32)
Disinfectants Branch
Registration Division (TS-767C)

Enclosure

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DIRECTIONS FOR USE (CONT)

SITE PREPARATION

The first step in any on-going sanitation program should be the removal of gross contamination accomplished using a shovel, broom, or vacuum depending on the area to be disinfected. Efficient germicidal cleaners is reduced in the presence of heavy organic matter. Once the area is cleaned, disinfection can be accomplished in a single step.

CLEANING AND DISINFECTION

For all general cleaning and disinfection, use ONE OUNCE of TRI-CEN per gallon of water. Use a cloth, mop, or pressure sprayer so as to thoroughly wet surface to be disinfected. Allow to stand for 10 minutes and then let air dry. For heavily soiled areas, the pre-cleaning step is required before using disinfectant solution for each use.

GENERAL DISINFECTION: Disinfecting hog houses, farrowing houses, finishing houses, growers, horse stables and sick pens at race tracks or sale barns, hospital pens, calf pens and animal pathogens for shoe baths.

Disinfecting houses used for poultry, turkeys, ducks and game birds and for equipment used in quarters. Disinfecting dog and cat kennels as well as laboratory animal facilities, laboratories and medical institutions.

Spraying cattle pens, chutes, loading equipment trucks and animal manure pits for the control of animal pathogens.

Dressing Plant Use: Disinfect equipment, utensils, walls and floors in poultry and animal quarters. Utensils must be thoroughly scrubbed with soap or detergent and rinsed with potable water. Disinfect offal rooms, exterior walls and loading platforms of dressing plants.

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APPLICATION AND USE DILUTIONS

POULTRY PREMISES: 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. Thoroughly clean all surfaces with compatible soap or detergent and rinse with water. 2. Use ONE OUNCE of TRI-CEN per gallon of water (1:128 dilution). 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.

FARM PREMISES: 1. Do not use in milking stalls, milking parlors, or milk houses. (Phenolics, cresylic acid, and pine oils should not be used in dairy facilities). Remove all animals and feed from premises, vehicles and enclosures. Remove all litter and manure from floors, walls and surfaces of barns, pens, stalls, crates, and other facilities and fixtures occupied or traversed by animals. Empty all troughs, racks and other feeding and watering appliances Thoroughly clean all surfaces with TRI-CEN detergent and rinse with water. 2. Use ONE 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. 3. Immerse all equipment in a disinfectant solution. Use 25-50 gallons of disinfectant solution per 1000 square feet of floor space. Ventilate building and other closed spaces. Do not house live stock or employ equipment until treatment has been absorbed, set or dried. Thoroughly scrub treated feeding and watering appliances with soap or detergent and rinse with potable water before reuse.

EQUIPMENT: 1. Empty all troughs, racks, feeding and watering bins, buckets and fountains then clean thoroughly with compatible detergent. Rinse off all detergent with water. 2. Use ONE OUNCE of TRI-CEN per gallon of water (1 part TRI-CEN to 128 parts of water) to treat all pre-cleaned equipment. Leave all treated surfaces exposed to disinfectant solution for 10 minutes or more. Thoroughly scrub treated feeding and watering appliances with soap or detergent and rinse with potable water before reuse.

VEHICLES: 1. Clean all vehicles including fairs, crates, cabs and wheels with high pressure water and TRI-CEN detergent. 2. Use ONE OUNCE of TRI-CEN per gallon of water (1 part TRI-CEN to 128 parts of water) to treat all pre-cleaned vehicles. Leave all treated surfaces exposed to disinfectant solution for 10 minutes or more.

HATCHERIES: 1. First clean all surfaces thoroughly with TRI-CEN detergent and water by scrubbing with brush under high water pressure with emphasis on cracks and moulding where fungus and mold are usually located. Rinse off all detergent with water. 2. Use ONE OUNCE of TRI-CEN per gallon of water (1 part TRI-CEN to 128 parts of water) to treat hatcheries, troughs, trays, racks, carts, seating tables, delivery trucks and other hard surfaces. Leave all treated surfaces exposed to disinfectant solution for 10 minutes or more. Thoroughly scrub treated feeding and watering appliances with soap or detergent and rinse with potable water before reuse.

SHOEBATHS SANITIZER: 1. Shoebath containing one inch of freshly made 1:128 solution should be placed at all entrances to buildings and hatcheries. Change the disinfectant solution in the bath daily or when solution appears dirty.

EFFECTIVE PERFORMANCE

ALL TESTS HAVE BEEN PERFORMED IN THE PRESENCE OF 5% BLOOD SERUM (TO SIMULATE ORGANIC LOAD) AT A 1:128 DILUTION (ONE OUNCE PER GALLON OF WATER).

BACTERICIDE

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 Confirmation test.

FUNGICIDE

TRI-CEN's fungicidal efficacy has been confirmed through testing using the AOAC Fungicidal Test against the pathogenic fungi, *Trichophyton pentagrammatus*.

VIROCIDAL

Virocidal testing using prescribed E.P.A. testing procedures has verified TRI-CEN's effectiveness against many lipophilic viruses commonly associated with poultry and swine areas including:

Avian Infectious Bronchitis Virus Avian Herpes Virus 2 (Marek's Disease)
 hog Cholera Virus Avian Laryngotracheitis Virus

POULTRY AND SWINE INDUSTRY USE

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, hatcheries, tray and buggies.

As a sanitizer against animal pathogens for:

SHOEBATHS including all entrances to buildings and hatcheries.

AREAS OF USE

POULTRY PREMISE SANITATION (HATCHERIES)

-Egg Receiving Area	-Tray Dumping Area
-Egg Holding Area	-Chick Processing Area
-Setter Room	-Chick Holding Room
-Hatcher Room	-Chick Loading Area
	-Hauling Equipment

SWINE PREMISE SANITATION

-Farrowing Area	-Waterer & Feeder
-Blocks	-Nursery
-Creep Area	-Hauling Equipment

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Directions for Use

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

TRI-DEN is a phosphate free, concentrated, hospital germicidal-detergent effective in the presence of 5X blood serum, used to stimulate organic soil.

TRI-DEN's multi-synthetic phenolic formula is designed to clean, disinfect and deodorize any washable inanimate nonporous surface in one easy step. When used as directed, TRI-DEN is strong enough to kill a broad spectrum of pathogenic bacteria, yet it is mild enough to be harmless to the surface being disinfected.

TRI-DEN 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.

DISINFECTION: For broad spectrum disinfection of gram negative and gram positive bacteria, including *Pseudomonas aeruginosa*, add ONE ounce TRI-DEN to the gallon of water. Apply solution with mop, cloth, sponge, or mechanical sprayer so as to wet thoroughly. Allow to remain wet for 10 minutes and then let air dry. If higher detergency is desired, increase dilution to 1 to 2 ounces per gallon of water. Prepare a fresh solution for each use. For heavily soiled areas, a pre-cleaning step is required and recommended.

At ONE ounce to the gallon of water TRI-DEN is also effective against *Trichophyton mentagrophytes* (the athlete's foot fungus) when used on hard surface in areas such as locker rooms, shower and bath areas, exercise areas, dressing rooms, etc.

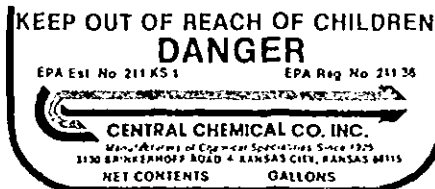
When tuberculocidal activity is desired dilute Tri-Den 1:100 and apply to p. cleaned hard surface and allow to remain wet for 10 minutes.



AGRICULTURAL PREMISE DISINFECTANT - VERUCIDEN - FUNGICIDE
Germicidal/Detergent With Organic Soil Tolerance
Formulated for Effective
POULTRY & SWINE PREMISE SANITATION

Active Ingredients	
Sodium ortho benzyl para chlorophenate	4.40%
Sodium ortho phenylphenate	2.92%
Sodium para-tertiary ampyphenate	2.43%

Inert Ingredients	
	90.29%



ACCEPTED
WITH COMMENTS
IN EPA Lab - 10-1-86

APR 16 1987

211-36

PRECAUTIONARY STATEMENTS
Hazard to Humans and Domestic Animals

DANGER

Keep Out of Reach of Children. Corrosive. Causes severe eye and skin damage. Do not get in eyes, 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 before reuse if possible.

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 possible. If you drink milk, egg whites, gelatin solution or if these are not available, drink large quantities of water. Call a physician.

NOTE TO PHYSICIAN
Probable mucosal damage may contraindicate the use of gastric lavage. Measures against ocular shock, respiratory depression and convulsions 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 contamination of other pesticides, fertilizer, food and feed. Avoid storage at temperature extremes.
PESTICIDE DISPOSAL — Pesticide wastes are acutely hazardous. Improper disposal of pesticide is a 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 Toxic Waste representative at the nearest EPA Regional Office for guidance.
CONTAINER DISPOSAL — Triple rinse (or equivalent). Then offer for recycling or recycling or purchase and dispose of in a sanitary landfill, or incineration, or, if allowed by state/local authorities, by burning. If burned, stay out of smoke.

**ONLY FOR SALE TO, USE AND STORAGE
BY MAINTENANCE PERSONNEL.**