

PM 31 1839-86 1042
UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

MAY 11 1994

Stepan Company
22 West Frontage Road
Northfield, IL 60093

Attn: Leo Dringoli
Manager, Product Registration

Subject: BTC 2125 M 10% Solution
EPA Registration No. 1839-86
Submission Received March 1, 1994

This is in response to the revised Confidential Statement of Formula dated September 8, 1989 for the basic formulation, and the authorization letter from the Food and Drug Administration stating that the product is cleared as a sanitizer.

The labeling referred to above, submitted in connection with registration under Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable, subject to the comment listed below.

- Delete the words "Yersinia enterocolitica" from the sanitization section.

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

The revised CSF for the basic formulation is acceptable.
This CSF supercedes all other CSF for the basic formulation.

If you have any questions concerning this letter, please contact Martha Terry at (703)305-6982.

Sincerely,



Marshall Swindell
Acting Product Manager 31
Antimicrobial Program Branch
Registration Division H7505C

Enclosure

CONCURRENCES

SYMBOL								
SURNAME								
DATE								

DIRECTIONS FOR USE

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

BTC 2125™ 10% Solution is designed specifically for hospitals, food processing plants, dairies, restaurants, bars, animal quarters, kennels and institutions where disinfection, sanitization and deodorization is of prime importance.

When used as directed, BTC 2125™ 10% Solution is formulated to disinfect pre-cleaned inanimate, hard surfaces such as walls, floors, sink tops, tables, chairs, telephones, and bed frames.

BTC 2125™ 10% Solution deodorizes those areas which generally are hard to keep fresh smelling, such as garbage storage areas, empty garbage bins and cans, pet areas and any other areas which are prone to odors caused by microorganisms.

In addition, BTC 2125™ 10% Solution can also be used to sanitize previously cleaned food grade eggs in shell egg and egg product processing plants.

DISINFECTION - To disinfect pre-cleaned, inanimate, hard surfaces apply BTC 2125™ 10% Solution with mop, cloth, sponge or mechanical sprayer so as to wet all surfaces thoroughly. Allow to remain wet for 10 minutes, then remove excess liquid. For disinfection, a pre-cleaning step is required. Prepare a fresh solution for each use.

DILUTION RATES:

GENERAL DISINFECTION - Add 3 ounces BTC 2125™ 10% Solution per 5 gallons of water for disinfection against *Staphylococcus aureus*, *Salmonella choleraesuis*, *Listeria monocytogenes*, and *Yersinia enterocolitica*.

HOSPITAL DISINFECTION - Add 3 1/2 ounces BTC 2125™ 10% Solution per 5 gallons of water for disinfection against *Pseudomonas aeruginosa*.

OTHER USES:

For disinfection of pre-cleaned surgical instruments, barber tools and dental equipment, simply submerge instruments into solution containing 1 1/2 ounces BTC 2125™ 10% Solution per gallon of water for 10 minutes.

For disinfection of pre-cleaned poultry equipment (brooders, watering founts, feeding equipment), animal quarters and kennels, apply a solution of 3 1/2 ounces of BTC 2125™ 10% Solution per 5 gallons of water. Small utensils should be immersed in this solution. Prior to disinfection, all poultry, other animals and their feeds must be removed from the premises. This includes emptying all troughs, racks and other feeding and watering appliances. Remove all litter and droppings from floors, walls and other surfaces occupied or traversed by poultry or other animals.

After disinfection, ventilate building, coops, and other closed spaces. Do not house poultry, other animals or employ equipment until treatment has been absorbed, set or dried.

ALL TREATED EQUIPMENT THAT WILL CONTACT FEED OR DRINKING WATER MUST BE RINSED WITH POTABLE WATER BEFORE REUSE.

***VIRUCIDAL ACTIVITY** - BTC 2125™ 10% Solution, when used on environmental inanimate hard surfaces at 3 1/2 ounces per 5 gallons of water exhibits effective virucidal activity against Influenza A/Japan (representative of the common flu virus), Herpes Simplex Type 1 (causative agent of fever blisters), Adenovirus Type 5 (causative agent of upper respiratory infections), Vaccinia virus (representative of the pox virus group), and Avian Influenza A/Turkey/Wisconsin (causative agent of an acute avian lower respiratory tract infection).

SANITIZATION - Recommended for use in restaurants, dairies, food processing plants, and bars. When used as directed BTC 2125™ 10% Solution is an effective sanitizer against *Escherichia coli*, *Staphylococcus aureus* and *Staphylococcus aureus*.

Remove all gross food particles and soil from areas which are to be sanitized with a good detergent, pre-rinse, pre-soak or pre-scrape treatment. Rinse with a potable water rinse. To sanitize pre-cleaned and potable water-rinsed, non-porous, food contact surfaces, prepare a 200 ppm active quaternary solution by adding 1 ounce BTC 2125™ 10% Solution to 4 gallons of water, 2 1/2 ounces to 10 gallons of water, or 5 ounces to 20 gallons of water.

To sanitize immobile items such as tanks, chopping blocks and counter tops, flood the area with a 200 ppm active quaternary solution for at least 60 seconds making sure to wet all surfaces completely. Remove, drain the use solution from the surface and air dry. Prepare a fresh solution daily or more frequently as soil is apparent.

To sanitize mobile items such as drinking glasses and eating utensils, immerse in a 200 ppm active quaternary solution for at least 60 seconds making sure to immerse completely. Remove, drain the use solution from the surface and air dry. Prepare a fresh solution daily or more frequently as soil is apparent.

When used for sanitization of previously cleaned food equipment or food contact items, limit the active quaternary to 200 ppm. **NO POTABLE WATER RINSE IS REQUIRED.** BTC 2125™ 10% Solution is an effective sanitizer when diluted in water up to 750 ppm hardness (CaCO₃).

Stepan

Stepan Company
Northfield, IL 60093

BTC 2125™ 10% Solution

DISINFECTANT
DEODORIZER

MILDEWSTAT (on hard, inanimate surfaces)

SANITIZER
* VIRUCIDE

ACTIVE INGREDIENTS

n-Alkyl (60% C₁₄, 30% C₁₆, 5% C₁₂,

5% C₁₀) dimethyl benzyl

ammonium chlorides 5.0%

n-Alkyl (68% C₁₂, 32% C₁₄)

dimethyl ethylbenzyl

ammonium chlorides 5.0%

INERT INGREDIENTS 90.0%

TOTAL 100.0%

EPA REG. NO. 1839-86
EPA EST. NO. 1839-IL-01

KEEP OUT OF REACH OF CHILDREN
DANGER

BEST AVAILABLE COPY

See side panels for additional precautions.

NET CONTENTS

To sanitize previously cleaned food processing plants, spray with warm water (200 ppm quaternary) but not to exceed 130°F. Sanitized with this product, they are broken immediately. They should be reasonably dry before reused for sanitizing eggs.

DEODORIZATION - To deodorize under the heading GENERAL DISINFECTION.

MILDEWSTAT - To control mildew on hard surfaces add 3 ounces of solution with a cloth completely. Let air dry. Application at weekly intervals.

EFFICACY TESTS HAVE DEMONSTRATED THAT THIS IS AN EFFECTIVE BACTERICIDE AND FUNGICIDE ON ORGANIC SOIL (5% BLOOD).

PRECAUTIONS
HAZARDS TO HUMANS

KEEP OUT OF REACH OF CHILDREN. Do not get in eyes. Do not get on skin. Do not get on clothing and rubber gloves with contamination of food. Rinse immediately.

STATEMENTS

In case of contact, immediately flush with water for at least 15 minutes. For eyes, flush with water for at least 15 minutes. If symptoms are not relieved, seek medical attention immediately.

Probable mucosal damage.

STORAGE

DO NOT CONTAMINATE
STORAGE OR DISPOSAL

STORAGE - Store in a dry place, away from heat, below 120°F.

CONTAINER DISPOSAL - Empty container with water. Rinse, puncture and dispose of in accordance with local, state and federal regulations. Do not burn, bury, or incinerate.

PESTICIDE DISPOSAL - Follow instructions for disposal of excess pesticide. If these wastes are not disposed of properly, they may be hazardous to the environment. Contact your local health department for guidance.

ACCEPTED
FOR REGISTRATION
MAY 11 1994

Under the Federal Insecticide, Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
1839-86