

FEB 10 1989

Dubois Chemicals, Inc.
3630 East Kemper Road
Sharonville, OH 45241

Gentlemen:

Subject: Response to Tuberculocidal Data Call-In Notice
BGC-3
EPA Registration No. 5736-46
Your Submission Dated July 20, 1988

This is in response to your resubmission in regard to the Tuberculocidal Data Call-In (TB DCI) Notice for the subject product.

The submitted tuberculocidal data meet the requirements of the TB DCI Notice to support effectiveness of the product as a tuberculocide against Mycobacterium tuberculosis var bovis (BCG) when used at a 1:256 dilution in the presence of 408 ppm hard water (as CaCO_3) on precleaned, hard, nonporous surfaces for a contact time of 10 minutes at 20 °C.

The labeling (label and Technical Data Sheet), submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, is acceptable in support of the TB DCI Notice provided that you:

1. Make the following revisions to the label and Technical Data Sheet before you release the product for shipment bearing the amended labeling.
 - a. The complete nomenclature of Influenza A₂ must be indicated on the label and Technical Data Sheet for this virus because there are several identified strains available for testing.
 - b. Identify the Type of Herpes Simplex Virus (e.g., Herpes Simplex Virus Type 1 or Herpes Simplex Virus Type 2).
 - c. Delete "Only for sale to use and storage by service persons."
 - d. Precede the statement "Do not use, pour, spill . . ." with the Physical Hazards heading.

57158:I:Douglas:K-10:KENCO:2/2/89:2/13/89:AS:VO:AS

CONCURRENCES

OFFICIAL FILE COPY

- e. Delete the "Safety" heading. Use another heading that describes the concerns indicated in the paragraph.
 - f. Revise the front panel referral statement to read "See additional precautions and Statement of Practical Treatment of side of container."
 - g. The storage and disposal statements must be consistent. This label only has container disposal statements. Revise this section to include pesticide storage and disposal statements and use the Storage and Disposal heading. (Refer to item 11 of our letter dated June 27, 1968).
2. Submit the final printed labeling (label and Technical Data Sheet) for inclusion in the product file.

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. Please note our comments regarding various sizes of container labels in our letter of this date in response to your submission for EPA Registration No. 5736-24.

If you have any questions in this regard, please contact Ms. Ruth Douglas at (703) 557-3842.

Sincerely yours,


Jeff Keapler
Product Manager (32)
Antimicrobial Program Branch
Registration Division (TS-767C)

Enclosure



GENERAL DESCRIPTION: BGC-3 Cleaner is a liquid, synthetic, ^{and} disinfectant cleaner. At proper use dilutions it will ~~clean and~~ disinfect. It is a concentrated, multiphenolic broad spectrum, germicidal liquid detergent; germicidal activity includes *S. aureus*, *S. Choleraesuis*, *Ps. aeruginosa*, *M. tuberculosis*, ~~and other gram-negative bacteria~~. BGC-3 Cleaner contains only biodegradable surfactants and is nonphosphated. It is effective in hard water up to 400 ppm hardness.

Appearance (as is)
 Appearance at use dilutions
 Odor
 Foam
 Flaming
 Wetting

EPA Registration Number 5736-46-0000

cleaner

Clear Amber Liquid
Opalescent typical of germicidal solution
Mild nonphenolic
Moderate
Complete
Immediate

GERMICIDAL TESTS: Microbiological Data: Official A O A C Methods, ¹⁹⁷⁴ ~~1970~~ Edition, ¹⁹⁷⁴ ~~1970~~ Use dilution confirmation test results at 1:256 (440 ppm water hardness as CaCO₃)

Staphylococcus aureus (ATCC No. 6538)
Salmonella choleraesuis (ATCC No. 10708)
Pseudomonas aeruginosa (PRD-10) (ATCC No. 15442)
Alcaligenes sp. (ATCC No. 10153)
Escherichia coli (ATCC No. 11229)
Klebsiella pneumoniae (ATCC No. 4352)
Lactobacillus ~~sp.~~ *sp.* (ATCC No. 7830)
Neisseria catarrhalis ~~ATCC No. 49216~~ *subsp. 1pc*
Pasteurella multocida (ATCC No. 6535)
Proteus vulgaris (ATCC No. 8427)
Salmonella schottmuelleri
Salmonella typhimurium

Serratia marcescens (ATCC No. 9986) +
+ *Shigella paradyseriae flexneri*
Shigella sonnei
Staphylococcus aureus (ATCC No. 14154)
(Antibiotic resistant)
Staphylococcus aureus (ATCC No. 27659)
(phage 80/81 — Antibiotic resistant)
Streptococcus hemolyticus (ATCC No. 7796)
Streptococcus pneumoniae (ATCC No. 6301)
(MH *Diplococcus pneumoniae*)
Candida albicans (yeast)
Trichophyton mentagrophytes (fungus) *interdigit*
(ATCC No. 8533)

Trichophyton mentagrophytes (ATCC No 4261) 4.

TUBERCULOCIDAL ACTIVITY:

VIRUCIDAL ACTIVITY

Adeno virus Type 4
Influenza A2
Herpes simplex W1-38

1 256

1 256

1 256

For General Cleaning: BGC-3 is to be used at a concentration of 1:30 to 1:254 depending on soil conditions.

~~CONCENTRATION~~ ^{For} DISINFECTION: Recommended for use on precleaned, hard, nonporous, inanimate surfaces. ~~Depend on surface~~ Apply B&C-3 at a concentration of 1:256. ~~Allow~~ Allow a 10 minute contact time and follow by a water rinse.

For Disinfection in Hospitals and Nursing Homes: Thoroughly clean surface to remove heavy soil or gross filth prior to disinfecting. Apply BGC-3 at 0.5 ounce per gallon of water (1:256) for disinfecting hard, nonporous, inanimate surfaces such as floors, walls, storage areas, metal furniture, cabinets and carts. Allow a 10 minute contact time and follow by a water rinse.

For Laboratory Glassware and Surgical Instruments: Use BGC-3 Cleaner at 1:256 for presoaking before hand washing or machine washing to soft. - blood and soils. To disinfect after cleaning, soak glassware and surgical instruments for 10 minutes in fresh solution.

For Rest Rooms and Locker Rooms: Use one-half ounce of BGC-3 Cleaner per gallon of water for cleaning and disinfecting floors, walls, lockers, fixtures and other hard surfaces in public rest rooms, gymnasiums, and locker rooms. Effective sanitation will reduce typical odors.

For Tuberculosis Disinfection: Thoroughly preclean surface remove heavy soil or gross filth before disinfecting. Use BGC-3 at 1:256 (0.5 oz./gallon). Allow a contact time of 10 minutes at 20°C on hard, nonporous, inanimate surfaces and follow by a water rinse.

SAFETY: Solutions of BGC-3 Cleaner will not damage composition floors, painted surfaces, or metal furniture. Solutions of BGC-3 Cleaner are conductive and safe to use on conductive floors.

PACKAGING: 4.1 gal. (3 785 liters) cases and 55-gal. drums (208.2 liters)

KEEP OUT OF REACH OF CHILDREN

ACCEPTED
with COMMENTS
in EPA JOURNAL

Causes eye damage and severe skin irritation. Do not get in eyes, on skin, or on clothing. May be fatal or harmful if swallowed. Particular care should be taken in handling the concentrate, including proper shielding of eyes to prevent splashing. Use gloves for manual cleaning operations. Not for use or storage in or around the home environment. Rinse with water anything that will come into contact with a baby's mouth. Do not use on surfaces that will come in prolonged contact with the skin.

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, do not induce vomiting, drink large quantities of fluid and call a physician immediately.

Do not spill or store near heat or open flame.

FEB 10 1989

5736-46
Ino.

DES MOINES CHEMICALS, A DIVISION OF CHEMED CORPORATION
GENERAL OFFICES: DES MOINES TOWER - CINCINNATI, OHIO 45202 - PHONE: (513) 782-8000

The information contained in this bulletin is, to our best knowledge, true and accurate, but all recommendations or suggestions are made without guarantee since the conditions of use are beyond our control. Bakers Chemicals disclaims any liability incurred in connection with the use of these data or suggestions.

For General Use
at a Concentration
on Soil Conditions

BGC-3 U.S. PAT. NO. 2,840,000
BROAD-SPECTRUM
GERMICIDAL CLEANER

ACTIVE INGREDIENTS:

sodium lauryl ether sulfate	4.00%
sodium ortho-phenylphenate	8.85%
sodium ortho-benzyl-para-chlorophenate	7.92%
triethylamine	2.00%
sodium para-tertiary-amylphenate	4.10%
tetrasodium ethylenediamine	0.00%
water	0.00%

INERT INGREDIENTS:

79.13%
TOTAL 100.00%

CONTAINER DISPOSAL:

Triple rinse (or equivalent). Then offer for recycling or conditioning, or puncture and dispose of in a sanitary landfill, or incineration, or as allowed by state and local authorities. Do not burn; if burned, stay out of smoke.

KEEP OUT OF REACH OF CHILDREN

DANGER:

SEE PRECAUTIONARY STATEMENT ON SIDE OF CONTAINER

MADE IN U.S.A. - PATENTED



Product No. 00718

BGC-3

BROAD-SPECTRUM GERMICIDAL CLEANER

ONE GALLON (128 FL. OZ.)
U.S. MEASURE

Solely For
Institutional Use

FEB 10 1969

BGC-3

BROAD-SPECTRUM GERMICIDAL CLEANER

BGC-3 is a liquid, synthetic disinfectant. It is a concentrated multiphenolic broad-spectrum germicide. Its activity includes *S. aureus*, *T. interdigitale*. BGC-3 is concentrated. It is effective.

1950 Gerbicidal Tests: Microbiology Use dilution color as BGC-3

Staphylococcus aureus (ATCC)
Salmonella choleraesuis (ATCC)
Pseudomonas aeruginosa (ATCC)
Alcaligenes sp. (ATCC No. 292)
Escherichia coli (ATCC No. 8739)
Klebsiella pneumoniae (ATCC No. 10493)
Neisseria catarrhalis (ATCC No. 49229)
Shigella sonnei (ATCC No. 35061)
Shigella flexneri (ATCC No. 35061)
Shigella sonnei (ATCC No. 35061)
Candida albicans (yeast) (ATCC No. 90026)
Trichophyton mentagrophytes (ATCC No. 9801)

ANTHROPICIDAL ACTIVITY
Mycobacterium tuberculosis (H37Rv)
ANTHROPICIDAL ACTIVITY
Adenovirus Type 4, Influenza Virus Type A

ANTHROPICIDAL ACTIVITY
Adenovirus Type 4, Influenza Virus Type A

ANTHROPICIDAL ACTIVITY
Adenovirus Type 4, Influenza Virus Type A

ANTHROPICIDAL ACTIVITY
Adenovirus Type 4, Influenza Virus Type A