

1/6 6659-5 PM-31

DEC 07 1987

Knight Oil Corporation  
251 North Comrie Avenue  
Johnstown, NY 12095

Attention: Terry L. Bolibaugh

Gentlemen:

Subject: BACT-X Germicidal Cleaner  
EPA Registration No. 6659-5  
Your Amendment Application Dated January 7, 1987

A review of your January 7, 1987 amendment application follows.

The revised Confidential Statement of Formula (CSF) agrees with the revised label and would be acceptable. However, you must ask your suppliers to submit to this Agency the chemical composition, chemical structure, CAS Registry Number, CI Number, Material Safety Data Sheet, and health effects for dyes, "Drimarene Brilliant Green X3G" and "Drimarene Brilliant Red X2B."

For each fragrance submit chemical composition, and for each component in fragrance mixture submit chemical name, CAS Registry Number, percentage or range in the percentage, and Material Safety Data Sheet and health effects.

The submitted label is acceptable, provided that you make the following changes listed below before you release the product for shipment bearing the amended labeling.

1. Sodium carbonate and Essential oils should be deleted from the active ingredients in the ingredient statement and included with inert ingredients.
2. The statement "FOR SALE TO, USE AND STORAGE BY PROFESSIONAL SERVICE PERSONS ONLY" must be deleted.
3. The signal word DANGER must be in the proper type size.
4. Delete the term General Classification.

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CONCURRENCES

SYMBOL	ORIGINATOR							
SURNAME								
DATE								

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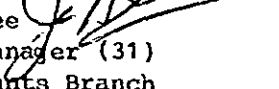
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5. Delete from the container and pesticide disposal instructions, "or bury in a safe place."
  6. On the front panel, change "Virucide" to "Virucide\*."
  7. Under "DISINFECTION" change "TRICHOPHYTON MENTAGROPHTES" to read "TRICHOPHYTON MENTAGROPHYTES," "VIRUCIDAL ACTIVITY" to read "VIRUCIDAL\* ACTIVITY," "Influenza Al-Asian" to read "Influenza A<sub>2</sub>/Asian," "Herpes Simples, (causative agent of fever blisters and mononucleosis)" to read "Herpes Simplex type 1, (causative agent of fever blisters)."
  8. Provide separate directions for use for "Disinfection of Food Contact Surfaces." The pattern of use for disinfecting food contact surfaces, followed by a potable water rinse, is being accepted. However, since this product formulation and the disinfecting pattern of use are not cleared for food contact surfaces, evidence to show the level of chemical residual on the treated surface may be required in the future.
  9. Under the "DIRECTIONS FOR USE" to disinfect, provide instructions for removal of gross filth, or heavy soil prior to application of the product.

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

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.

Sincerely yours,

John H. Lee   
Product Manager (31)  
Disinfectants Branch  
Registration Division (TS-767C)

Enclosure

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BACT-X  
Detergent/Disinfectant

Cleaner	Disinfectant
Detergent	Fungicide (against
Deodorizer	Pathogenic fungi)
Mildewstat (on	Virucide
hard inanimate	
surfaces)	

ACTIVE INGREDIENTS:

n-Alkyl (60% C14, 30% C16, 5% C12, 5% C18)	
dimethyl benzyl ammonium chlorides . . . . .	2.25%
n-Alkyl (68% C12, 32% C14) dimethyl	
ethylbenzyl ammonium chlorides . . . . .	2.25%
Sodium Carbonate . . . . .	3.00%
Essential Oils . . . . .	0.20%
INERT INGREDIENTS . . . . .	92.30%
	<u>100.00%</u>

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

KEEP OUT OF REACH OF CHILDREN

DANGER

See side panels for additional precautionary  
and practical treatment statements

EPA REG. No. 6659-5  
EPA REG. NO. 6659-NY-1

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Johnstown, NY 12095

NET CONTENTS

ACCEPTED  
with COMMENTS  
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Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.  
6659-5

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Bact-X is a concentrated detergent/disinfectant which provides effective cleaning, deodorizing, and disinfection. Bact-X has been designed specifically for hospitals, nursing homes, schools, food processing plants, and other institutions where controlling the hazard of cross contamination is of prime importance.

Bact-X when diluted at the rate of 2 ounces per gallon of water is an effective disinfectant against Pseudomonas aeruginosa and meets all requirements for hospital use. When used as directed, Bact-X disinfects inanimate hard surfaces such as walls, floors, sink tops, toilet bowls, tables, chairs, telephones, and bed frames. For larger areas such as operating rooms, patient care facilities, and restrooms, Bact-X is formulated for both general cleaning and disinfecting.

In addition, Bact-X deodorizes those areas which are generally difficult to keep fresh smelling, such as garbage storage areas and empty garbage bins, toilet bowls, and many other areas which are prone to odors caused by microorganisms.

**DISINFECTION** - At 2 ounces per gallon dilution, Bact-X delivers effective disinfectant activity against the organisms: Salmonella choleraesuis and Staphylococcus aureus.

At 2 oz. per gallon, Bact-X is also fungicidal against the Pathogenic fungi, TRICHOPHYTON MENTAGROPHTES.

**VIRUCIDAL ACTIVITY:** Bact-X applied to inanimate hard surfaces at 2 ounces per gallon provides effective virucidal activity against Influenza A2-Asian (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), and Vaccinia virus (representative of the pox virus group).

**LABORATORY TESTS HAVE DEMONSTRATED THAT BACT-X IS AN EFFECTIVE BACTERICIDE, FUNGICIDE, AND VIRUCIDE IN THE PRESENCE OF ORGANIC SOIL (5% BLOOD SERUM).**

**Mold and Mildewstat.** Bact-X prevents and controls mold and mildew and the odors they cause on hard non-porous inanimate surfaces.

#### STORAGE AND DISPOSAL

- Do not contaminate water, food, or feed by storage or disposal
- Open dumping is prohibited
- Do not reuse empty container

**Pesticide Disposal** - Pesticides that cannot be used or chemically reprocessed should be disposed of in a landfill approved for pesticides or buried in a safe place.

**Container Disposal** - Triple rinse (or equivalent) and dispose in an incinerator or landfill approved for pesticide containers, or bury in a safe place.

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DIRECTIONS FOR USE  
General Classification

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

Bact-X has been formulated specifically for hospitals, nursing homes, schools, food processing plants, food service establishments, and other institutions where controlling cross contamination is of prime importance.

DISINFECTION - To disinfect hard inanimate surfaces (such as walls, floors, table tops). Mix 2 ounces Bact-X per gallon of water. Apply the solution with a mop, cloth, sponge, or mechanical sprayer so as to wet all surfaces thoroughly. Allow the surface to remain wet for 10 minutes, then air dry.

To disinfect toilet bowls, flush the toilet and add 2 ounces Bact-X directly to the bowl water. Swab the bowl completely using a scrub brush or toilet mop, making sure to get under the rim. Allow to stand for 10 minutes and flush.

For heavily soiled areas, a pre-cleaning step is required. Prepare a fresh solution for each use.

All treated items which come in contact with food must be rinsed with potable water before reuse.

MILDEWSTAT - To control mold and mildew on pre-cleaped, hard non-porous surfaces (such as floors, walls, table tops) add 2 ounces of Bact-X per gallon of water. Apply the solution with a cloth. Mop or sponge, making sure to wet all surfaces completely. Let air dry. Prepare a fresh solution for each use. Repeat application at weekly intervals or when mildew growth reappears.

PRECAUTIONARY STATEMENTS

Hazard to Human and Domestic Animals

DANGER

Keep out of reach of children. Wear goggles or face shield and rubber gloves when handling. Causes severe eye and skin damage. Do not get in eyes, on skin, or on clothing. Harmful if swallowed. 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 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 leavage. Measures against circulatory ~~check~~ respiratory depression and convulsion may be needed.

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### STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal. Keep from freezing.

### 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. Return to manufacturer for reconditioning or puncture and dispose of in a sanitary landfill or other procedures approved by state and local authorities.

*Bulk storage and Disposal statements  
on sizes above 1gal*

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