



U.S. ENVIRONMENTAL PROTECTION AGENCY  
Office of Pesticide Programs  
Registration Division (H7505C)  
401 "M" St., S.W.  
Washington, D.C. 20460

EPA Reg. Number:

Date of Issuance:

670-2

SEP 08 1999

Term of Issuance:

Conditional

Name of Pesticide Product:

Bio Clean

**NOTICE OF PESTICIDE:**

- Registration
- Reregistration

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Sunburst Chemicals, Inc.  
220 W. 86<sup>th</sup> Street  
Minneapolis, MN 55420

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration/ reregistration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.
2. Make the following label changes:
  - a. Revise the EPA Registration Number to read, "EPA Reg. No. 670-2".
  - b. You should revise the food contact disinfection statement to read:

If used as a disinfectant on food contact surfaces such as "countertops, tables, picnic tables, appliances, and/or stovetops, Thoroughly rinse these surfaces with potable water." This product must not be used on the following food contact surfaces: utensils, glassware, and dishes."

Signature of Approving Official:

*Velma Noble*  
Velma Noble

Product Manager 31  
Regulatory Management Branch I  
Antimicrobials Division (7510C)

Date:

SEP 08 1999

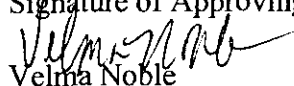
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- c. According to the statement in bold following the "Midewstat" directions, this product is fungicidal; however, there are no other references on this label as to the specific fungi mitigated. If this product is supporting fungicidal claims, the label should include the appropriate areas of disinfection as well as the fungi scientific name according to Labeling Guidelines for Pesticide Use Directions for Antimicrobial Products, section 101-3 p.28. Alternatively, you can delete the reference to this product being "fungicidal".
- d. The contact time should be included under the "Virucidal Activity" claim.
- e. The Precautionary Statements should be revised to reflect the following:  
  
Corrosive. **Causes irreversible eye damage and skin burns.** Do not get in eyes, on skin, or on clothing. Wear protective eyewear (goggles or face shield), rubber gloves, and protective clothing. **Harmful if swallowed.** Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse
- f. The First Aid/Statements of Practical Treatment should be revised to reflect:  
  
IF IN EYES: Hold eyelids open and flush with a steady, gentle stream of water for 15 minutes. Get medical attention.  
  
IF ON SKIN: Wash with plenty of soap and water. Get medical attention.  
  
IF SWALLOWED: Call a doctor or get medical attention. Drink 1 or 2 glasses of water and induce vomiting by touching back of the throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person.
- g. Remove the heading, "Prohibitions," from the first statement under Storage and Disposal.

3. Submit two copies of the revised final printed label for the record.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec.6(e). Your release for shipment of the product constitutes acceptance of these conditions.

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

<p>Signature of Approving Official:            Velma Noble          Product Manager 31          Regulatory Management Branch I          Antimicrobials Division (7510C)</p>	<p>Date:   <b>SEP 08 1999</b></p>
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# Bio Clean

CLEANER DETERGENT	DEODORIZER VIRUCIDE*	DISINFECTANT MILDEWSTAT (on hard nonporous surfaces)
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#### ACTIVE INGREDIENTS

Alkyl (60% C<sub>14</sub>, 30% C<sub>16</sub>, 5% C<sub>12</sub>, 5% C<sub>18</sub>) dimethyl  
benzyl ammonium chlorides 7.95%

Alkyl (68% C<sub>12</sub>, 32% C<sub>14</sub>) dimethyl ethylbenzyl  
ammonium chlorides 7.95%

#### INERT INGREDIENTS

84.10%

TOTAL

100.00%

KEEP OUT OF REACH OF CHILDREN

**DANGER**

See side panel for additional precautionary statements.

#### STATEMENT OF PRACTICAL TREATMENT (First Aid)

In case of contact, immediately flush eyes or skin with plenty of water for at least 15 min. For eyes, call a physician. Remove and wash contaminated clothing before reuse. If swallowed, drink egg whites, gelatin solution, or if these are not available, drink large quantities of water. Avoid alcohol. Call a physician immediately. NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

#### STORAGE AND DISPOSAL:

PROHIBITIONS: Do not contaminate water, food, or feed by storage and disposal.

STORAGE: Store in a dry place no lower in temperature than 50°F or higher than 120°F.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinsate 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 Hazardous Waste representative of the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: Do not reuse empty container. Triple rinse empty container with water. Plastic containers may be disposed of in a sanitary landfill, incinerated or, if allowed by local authorities, burned. If burned, stay out of smoke.

#### PRECAUTIONARY STATEMENTS

##### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

##### DANGER

Corrosive, may cause severe eye and skin damage. Do not get in eyes, on skin or on clothing. Wear goggles or face shield and rubber gloves when handling. Harmful or fatal if swallowed. Avoid contamination of food. Remove contaminated clothing and wash before reuse. Wash thoroughly with soap and water after handling.

##### ENVIRONMENTAL HAZARDS

This product is toxic to fish and aquatic organisms. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

FOR CHEMICAL SPILL OR EMERGENCY MEDICAL INFORMATION  
DIAL TOLL-FREE: 1-800-228-5635, Ext. 044

Manufactured by:

Sunburst Chemicals, Inc.

220 W. 86th Street Minneapolis, MN 55420

(612) 884-3144

EPA Reg. No. 670 - EPA Est. No. 670-MN-01

NET CONTENTS: 8 lbs.

Lot #:

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

SEP - 8 1999

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act as  
amended, for the pesticide,  
registered under EPA Reg. No. 670-2

3044

**DIRECTIONS FOR USE:** It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

BIO CLEAN is a phosphate-free formulation designed to provide effective cleaning, sanitizing, and disinfection for institutions such as schools, offices, hotels, motels, cafeterias, restaurants, grocery stores, apartment buildings, and nursing homes, where housekeeping is of prime importance in controlling the hazard of cross-contamination. BIO CLEAN, when used as directed is formulated to disinfect inanimate, hard nonporous surfaces such as walls, floors, sink tops, tables and chairs. For larger areas such as restrooms, BIO CLEAN is designed to provide both general cleaning and disinfection. BIO CLEAN deodorizes those areas which generally are hard to keep fresh smelling such as garbage storage areas, empty garbage bins and cans, and any other areas which are prone to odors caused by microorganisms. This product is not for use in hospitals.

**DISINFECTION** - To disinfect hard, nonporous surfaces, follow the steps below. The dispenser will automatically deliver a solution that contains 1 oz. of Bio Clean to 1-2 gallons of hot water.

1. Remove cap. Place the Bio Clean container upside down in the dispenser. 2. Place the dispenser outlet tube into the sink or drain. Turn on the hot water to the dispenser and turn the dispenser dial to the WATER position. Run water into the drain until water is hot coming out of the dispenser outlet tube. 3. Transfer the dispenser outlet tube to the receptacle (mop bucket, pail, pan, jug, trigger sprayer, etc.) and turn the dispenser dial all the way to the CLEANING SOLUTION position where it stops. Fill receptacle to the desired level then turn the dial to OFF. 4. Use the Quat Test Strips provided in each case of Bio Clean to be sure the concentration is at least 620 ppm Quat. If less than 620 ppm, push the button in the center of the handle to add more Bio Clean and hold the button in for 10 seconds. Mix and retest. Repeat if necessary until concentration exceeds 620 ppm. Remove dispenser outlet tube. 5. Apply this solution with a mop, sponge, trigger sprayer, or cloth so as to thoroughly wet all surfaces. Allow to remain wet for 10 minutes and then let air dry.

Prepare a fresh solution for each use. For heavily soiled areas, a pre-cleaning step is required. If BIO CLEAN is used on direct food contact surfaces, a thorough potable water rinse is required before food may come in contact with the surfaces.

**BACTERICIDAL ACTIVITY** - At the stated Disinfection dilution rate, this product exhibits effective disinfectant activity against the organisms Escherichia coli, Klebsiella pneumoniae, Salmonella schottmuelleri, Salmonella choleraesuis, Brevibacterium ammoniagenes, Enterococcus faecalis, Shigella dysenteriae, Staphylococcus aureus, and Enterobacter aerogenes.

**MILDEWSTAT** - To control mold and mildew on pre-cleaned, hard nonporous surfaces, use BIO CLEAN at the stated dilution rate for Disinfection. Apply solution with a cloth, mop, sponge, or hand pump trigger sprayer 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 appears.

**EFFICACY TESTS HAVE DEMONSTRATED THAT BIO CLEAN IS AN EFFECTIVE BACTERICIDE AND FUNGICIDE IN THE PRESENCE OF ORGANIC SOIL (5% BLOOD SERUM).**

**\*VIRUCIDAL ACTIVITY** - BIO CLEAN, when used on environmental, inanimate, hard nonporous surfaces at the Disinfectant dilution rate, exhibits effective virucidal activity against HIV-1, Influenza A<sub>2</sub>, Parainfluenza Type 1 (Sendai), Canine Distemper, Feline Pneumonitis, Vaccinia Virus, and Herpes Simplex Type 1.

**KILLS HIV-1 ON PRE-CLEANED ENVIRONMENTAL SURFACES/OBJECTS PREVIOUSLY SOILED WITH BLOOD/BODY FLUIDS** where 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 OF SURFACES/OBJECTS SOILED WITH BLOOD/BODY FLUIDS.**

**PERSONAL PROTECTION:** When handling items soiled with blood or body fluids, use disposable latex gloves, gowns, masks, or eye covering.

**CLEANING PROCEDURES:** Blood and other body fluids must be thoroughly cleaned from surfaces and objects before application of BIO CLEAN.

**CONTACT TIME:** Allow surface to remain wet for 10 minutes.

**DISPOSAL OF INFECTIOUS MATERIALS:** Blood and other body fluids should be autoclaved and disposed of according to local regulations for infectious waste disposal.

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

SEP - 8 1999

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act as  
amended, for the pesticide,  
registered under EPA Reg. No. 670-2

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