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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

JUL 13 1992

Huntington Laboratories, Inc.  
968 East Tipton Street  
Huntington, IN 46750

Attn: Sally Hayes

Subject: HI-TOR Germicidal Detergent  
EPA Registration No. 303-91  
Amendment dated April 23, 1992

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, revised in accordance with PR Notice 91-7, is acceptable, provided that you:

1. Make the following labeling changes below before you release the product for shipment bearing the amended labeling:
  - a. Delete the words "milk", egg whites, and gelatin solution or if these are not available" in the "Statement of Practical Statement".
  - b. Delete the last sentence in the "Note to Physician" statement.
  - c. Revise the referral statement to read: "See side and back for additional precautionary statements".

2. 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.

CONCURRENCES

SYMBOL							
SURNAME							
DATE							

2 of 3

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

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

Sincerely,



John H. Lee  
Product Manager 31  
Antimicrobial Program Branch  
Registration Division H7505C

Enclosure

# HI-TOR GERMICIDAL DETERGENT

Product Number 102720

• Disinfects, Cleans, Deodorizes  
• Pleasant Fragrance

**ACTIVE INGREDIENTS:**

Didecyl dimethyl ammonium chloride	9.22
n-Alkyl (C <sub>12</sub> 50%, C <sub>13</sub> 40%, C <sub>14</sub> 10%) dimethyl benzyl ammonium chloride	6.14
<b>INERT INGREDIENTS:</b>	84.64

**KEEP OUT OF REACH OF CHILDREN  
DANGER**

(See side panel for additional precautionary and practical treatment statements.)

CONTENTS ONE GALLON (3.785 Liters)

ACCEPTED  
with COMMENTS  
EPA Letter Dated:  
**JUL 13 1992**

Use this product as a disinfectant,  
fungicide, and pesticide Act  
registered under EPA Reg. No.  
**303-91**

**DILUTION: 1 to 256 ..... ONE-HALF OUNCE PER GALLON  
DIRECTIONS FOR USE**

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

**GENERAL USE DIRECTIONS:**

**USES:** Floors, walls, metal surfaces, painted surfaces, exterior bowl surfaces, empty basins, showers, conductive flooring, and lavatory fixtures. For institutional use only such as in hospitals and nursing homes, schools and colleges, medical and dental offices, and veterinary clinics.

**APPLICATIONS:** Use one-half ounce of HI-TOR per gallon of water for a minimum contact time of 10 minutes in a single application. For disinfecting, remove gross filth and heavy soil deposits, then thoroughly wet surfaces. HI-TOR is extremely versatile and can be applied with a mop, sponge, or cloth as well as soaking. The recommended use solution is used once and discarded. Rinsing is not necessary on floor surfaces unless floors are to be waxed or polished.

**KILLS HIV ON PRECLEANED ENVIRONMENTAL SURFACES/OBJECTS PREVIOUSLY SOILED WITH BLOOD/BODY FLUIDS** in health care settings or other settings in which 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 (AIDS VIRUS) OF SURFACES/OBJECTS SOILED WITH BLOOD/BODY FLUIDS.**

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

**CLEANING PROCEDURE:** Blood and other body fluids must be thoroughly cleaned from surfaces and objects before application of HI-TOR. This cleaning may be accomplished with any cleaning solution including this product.

**CONTACT TIME:** HIV-1 is inactivated after one (1) minute of contact at 25°C. Use a 10 minute contact time at 20°C for other common types of viruses and bacteria claimed.

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

EPA Reg. No. 303-91      EPA Est. No. 303-IN-1

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**PSEUDOMONICIDAL STAPHYLOCIDAL \*VIRUCIDAL FUNGICIDAL**  
HI-TOR is a multi-purpose germicidal detergent effective in the presence of 5% organic bioload (Fetal Bovine Serum) when tested by the AOAC Use-Dilution Method.

HI-TOR's formula disinfects, cleans, and deodorizes in one labor-saving step. HI-TOR is effective against the following pathogenic organisms: (including some antibiotic resistant organisms)

- |                                |                                    |
|--------------------------------|------------------------------------|
| Pseudomonas aeruginosa         | †Staphylococcus epidermidis        |
| Enterobacter aerogenes         | Streptococcus pyogenes             |
| †Escherichia coli              | Trichophyton mentagrophytes        |
| Proteus mirabilis              | Candida albicans                   |
| Shigella flexneri              | *Rubella                           |
| *Enterococcus faecalis         | *Avian infectious Bronchitis       |
| Salmonella choleraesuis        | *Avian Influenza A/Mich            |
| †Enterobacter cloacae          | *Bovine parvovirus                 |
| Proteus vulgaris               | *Infectious Bovine Rhinotracheitis |
| Shigella sonnei                | *HIV-1 (AIDS virus)                |
| Serratia marcescens            | *Adenovirus Type 2                 |
| †Staphylococcus aureus         | *Herpes Simplex Type 1             |
| Staphylococcus aureus phage 80 | *Influenza Type A/Mich             |
| Staphylococcus aureus phage 81 | *Vaccinia                          |
|                                | *Adenovirus Type 4                 |
|                                | *Herpes Simplex Type 2             |

\*Tested against antibiotic resistant strain only.

†Tested against standard ATCC strains and antibiotic resistant strains.

\*Classified by Underwriters Laboratories, Inc.\* as to electrical conductivity when used on conductive floors and spontaneous heating. HI-TOR for use with listed electrically conductive flooring of the vinyl type." 378Y.

Huntington Laboratories, Inc. Huntington, IN 46750  
Lansdale, PA 19446 · Dallas, TX 75227  
Oakland, CA 94621 · Bramalea, Ontario, Canada L6T 1E3

**STATEMENT OF PRACTICAL TREATMENT**

In case of skin contact, wash thoroughly with soap and water. In case of eye contact, immediately flush eyes with water for 15 minutes and get prompt medical attention. If swallowed, drink promptly a large quantity of 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. Measures against circulatory shock, respiratory depression, and convulsion may be needed.

**PRECAUTIONARY STATEMENTS**

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**DANGER**

Corrosive. Causes eye and skin damage. May be absorbed through the skin. Do not get in eyes, on skin or clothing. Wear goggles or face shield and rubber gloves when handling. Wash thoroughly with soap and water after handling. Remove and wash contaminated clothing before reuse. Harmful if swallowed. Avoid contamination of food, water, or feed.

**STORAGE AND DISPOSAL**

**PROHIBITIONS**

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

**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 at the nearest EPA Regional Office for guidance.

**CONTAINER DISPOSAL**

Triple rinse (or equivalent), then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

**BEST AVAILABLE COPY**