

17 MAY 1985

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

Attention: W. Robert MacDonald:

Gentlemen:

Subject: Hi-Tor Germicidal Detergent  
EPA Registration No. 303-91  
Your Submission Dated March 18, 1985

The amendment referred to above, submitted in connection with registration under FIFRA sec. 3(c)(7)(A), is acceptable, provided that you:

1. Submit and/or cite all data required for registration/ reregistration of your product under FIFRA sec. 3(c)(7) when the Agency requires all registrants of similar products to submit such data.
2. Make the following labeling changes listed below and submit the following before you release the product for shipment bearing the amended labeling.
  - a. For additional label requirements concerning your efficacy claims, see the enclosure titled the Technical Support Section Efficacy Review II.
  - b. The accelerated storage and stability data for 30 days at 52 °C are acceptable. Twelve months storage and stability data must be submitted upon completion.
  - c. Submit the certified limits for the active ingredients the upper and lower limits. Certified limits of active ingredients must be for pure active ingredient.

CONCURRENCES							
SYMBOL ▶							
SURNAME ▶							
DATE ▶							

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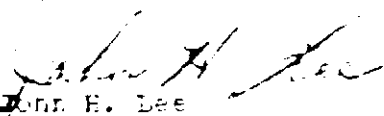
The revised Confidential Statement of Formula agrees with the revised label and with the revised manufacturing process and is acceptable.

- d. The submitted Matrix Information and End Product Toxicity Data cannot be fully reviewed at this time. You must first comply with PR Notice 84-4 and submit the revised Attachment A and B with Attachment C if appropriate.
3. Submit five (5) copies of your final printed labeling before you release the product for shipment.

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 bearing the amended labeling constitutes acceptance of these conditions.

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

Sincerely yours,

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

Enclosure

cc:

The Research Bulletin and Sales Brochure will not be stamped accepted until revised and resubmitted for our review.

# HI-TOR<sup>®</sup>

GERMICIDAL DETERGENT

PRODUCT NUMBER 102714

• Disinfects, Cleans, Deodorizes • Pleasant fragrance •

Economical to use

PSEUDOMONADIAL STAPHYLOCCIDAL VIRUCIDAL FUNGICIDAL

Hi-Tor is a concentrated multi-purpose germicidal detergent. It is effective by the AOAC Use-Dilution Method in: 400 ppm hard water (Calculated as CaCO<sub>3</sub>) in presence of 5% organic blood (fetal Bovine Serum). Refer to the HI-TOR Research Bulletin for detailed details.

Hi-Tor's superior powerful formula disinfects, cleans, and deodorizes in one step saving time. Hi-Tor is effective against the following pathogenic organisms:

<i>Pseudomonas aeruginosa</i>	<i>Salmonella choleraesuis</i>	<i>Staphylococcus aureus</i>
<i>Enterobacter aerogenes</i>	<i>Enterobacter cloacae</i>	<i>Staphylococcus aureus</i> phage 80
<i>Escherichia coli</i>	<i>Klebsiella pneumoniae</i>	<i>Staphylococcus aureus</i> phage 81
<i>Proteus mirabilis</i>	<i>Proteus vulgaris</i>	<i>Staphylococcus epidermidis</i>
<i>Shigella flexneri</i>	<i>Shigella sonnei</i>	<i>Streptococcus pyogenes</i>
	<i>Serratia marcescens</i>	
<i>Trichophyton mycelophytes</i>	<i>Candida albicans</i>	

*Adenovirus Type 2	*Adenovirus Type 4	*Avian Infectious Bronchitis
*Herpes Simplex Type 1	*Herpes Simplex Type 2	*Avian Influenza A/Mich
*Influenza Type A/Mich	*Rubella	*Bovine Parvovirus
*Vaccinia		*Infectious Bovine Rhinotracheitis

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

DILUTIONS: 1 to 250

ONE-HALF OUNCE PER GALLON

## DIRECTIONS FOR USE GENERAL CLASSIFICATION

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 hospitals and nursing homes, schools and colleges, medical and dental offices, and veterinary clinics.

APPLICATION: Use ½ ounce of Hi-Tor per gallon of water for a minimum contact time of 10 minutes in a single application. For disinfecting, remove gross dirt 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.

ACTIVE INGREDIENTS: Didecyl dimethyl ammonium chloride ..... 9.72  
n-Alkyl (C<sub>12</sub>, 50%, C<sub>14</sub>, 40%, C<sub>16</sub>, 10%) dimethyl benzyl ammonium chloride ..... 6.14

INERT INGREDIENTS ..... 84.14

**DANGER: KEEP OUT OF REACH OF CHILDREN.  
ONLY FOR SALE TO, USE, AND STORAGE BY SERVICE PERSONS.**

### 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 milk, 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 complicate the use of gastric lavage. Measures against circulatory shock, respiratory depression and convulsion may be needed.

### PRECAUTIONARY STATEMENTS

#### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Corrosive. Concentrate 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

#### PLASTIC CONTAINERS

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

### GENERAL

Consult federal, state or local disposal authorities for approved alternative procedures such as limited open burning.

EPA Reg No 303-91 EPA Reg No 303-14-1 (PL-1)

(See shoulder or bottom of container for identification number)

ML-10140-PS (9/84)

ML-IV

Murkington Laboratories, Inc. - Murkington, IN 45759 -  
Lansdale, PA 19446 - Dallas, TX 75227 - Oakland, CA 94621 - Brampton, Ontario L6T 1E3

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ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

MAY 17 1985

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

303-91