

303-91

2-5-2003

4/5

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Washington, D.C. 20460

FEB - 5 2003

OFFICE OF  
PREVENTION, PESTICIDES  
AND TOXIC SUBSTANCES

Brian C. Brosdahl  
Manger, North American Registrations  
Huntington Professional Products/A Service of Ecolabs Inc.  
370 Wabasha Street  
St. Paul, MN 55102

Subject: Hi-Tor Plus  
EPA Registration No. 303-91  
Amendment dated: November 4, 2002  
EPA Received date: November 8, 2002

Dear: Brian C. Brosdahl,

The following amendment submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) as amended, is acceptable with the following comments listed below:

**Proposed Amendment**

- Response to Agency letter dated January 4, 2001

**Label comments**

Page 2.

1. Under the Disinfection/cleaning/deodorizing directions add the phrase " and allow to air dry" after the third sentence.
2. Under the Disinfection/cleaning/deodorizing directions delete the phase "... as well as soaking" which appears at the end of the third sentence. This phrase does not make sense since the cited use sites are not movable objects that can be soaked.

Page 3

1. Pesticide products sold in 1 gallon or less containers must have the following language:  
"Store in original container in a locked storage area inaccessible to children"

**General Comments**

CONCURRENCES					
SYMBOL	75100	Stamped label is enclosed for your records. Please submit three (3) copies of your final printed label before distributing or selling the product bearing the revised labeling.			
SURNAME	A. J. ...				
DATE	2/4/03				

2/5

Page Two

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

If you have any questions regarding this letter, please contact Velma Noble at (703) 308-6233.

Sincerely,



Velma Noble  
Product Manager (31)  
Regulatory Management Branch 1  
Antimicrobial Divisions (7510c)

3/5

# HI-TOR PLUS

## GERMICIDAL DETERGENT

Disinfects/Cleans/Deodorizes/Pleasant Fragrance

### Active Ingredients:

Didecyl Dimethyl Ammonium Chloride ..... 9.7%  
 n-Alkyl (C14 50%, C12 40%, C16 10%)  
 Dimethyl Benzyl Ammonium Chloride ..... 6.46%  
**Inert Ingredients** ..... 83.84%  
**Total** ..... 100.0%

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

FEB 5 2003

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act as  
amended, for the pesticide,  
registered under EPA Reg. No. 303-91

## KEEP OUT OF REACH OF CHILDREN DANGER

### PRECAUTIONARY STATEMENTS

#### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**DANGER: CORROSIVE:** Causes irreversible eye damage and skin burns. Harmful if absorbed through the skin and/or swallowed. Do not get in eyes, on skin or on clothing. Wear goggles or face shield, protective clothing, and rubber gloves when handling. Wash thoroughly with soap and water after handling. Remove and wash contaminated clothing before reuse.

#### FIRST AID

**IF ON SKIN OR CLOTHING:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

**IF IN EYES:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

**IF SWALLOWED:** Call a poison control center or doctor for treatment advice. Have a person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

#### FOR EMERGENCY MEDICAL INFORMATION, CALL TOLL-FREE 1-800-328-0026

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

**NOTE TO PHYSICIAN:** Probable mucosal damage may contraindicate the use of gastric lavage.

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

#### PSEUDOMONACIDAL

#### STAPHYLOCIDAL

#### \*VIRUCIDAL

#### FUNGICIDAL

HI-TOR PLUS is a multi-purpose germicidal detergent tested by the AOAC Use-dilution method in 400 ppm hard water (calculated as CaCO<sub>3</sub>) in the presence of 5% organic bioload (Fetal Bovine Serum). HI-TOR PLUS disinfects, cleans and deodorizes in one labor saving step. HI-TOR PLUS is effective against the following pathogenic organisms (including some antibiotic resistant strains):

*Pseudomonas aeruginosa*-ATCC #15442  
*Enterobacter aerogenes*-ATCC #13048  
*Escherichia coli*-ATCC #11229  
*Proteus mirabilis*-ATCC #9921  
*Shigella flexneri*-ATCC #25929  
*Enterococcus faecalis*(vancomycin-resistant)-ATCC #51299  
*Salmonella choleraesuis*-ATCC #10708  
*Enterobacter cloacae*-ATCC #27508  
*Proteus vulgaris*-ATCC #8472  
*Shigella sonnei*-ATCC #20930  
*Serratia marcescens*-ATCC #29633  
*Staphylococcus aureus*-ATCC #6538  
*Staphylococcus aureus* phage 80-ATCC #14154

*Staphylococcus epidermidis*-ATCC #17919  
*Trichophyton mentagrophytes*-ATCC #9533  
*Candida albicans*-ATCC #10231  
 Rubella Virus  
 Avian Infectious Bronchitis Virus-ATCC #VR-22  
 Avian Influenza A/Mich  
 Bovine Parvovirus-ATCC #VR-767  
 Infectious Bovine Rhinotracheitis-ATCC #VR-793  
 HIV-1 (AIDS Virus)\*  
 Adenovirus Virus, Type 2  
 Herpes Simplex Virus, Type 1  
 Influenza Type A/Mich  
 Vaccinia Virus

4/5

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

in EPA Letter Dated:

**DILUTION: 1 to 256**  
**ONE HALF-OUNCE PER GALLON**

**FEB 5 2003**

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act as  
amended, for the pesticide,  
with the following EPA Reg. No. **303-91**

**DIRECTIONS FOR USE**

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

**GENERAL USE DIRECTIONS**

**Areas Of Use:** HI-TOR PLUS can be used on floors, walls, 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.

**DISINFECTION/CLEANING/DEODORIZING:** Remove gross filth and heavy soil deposits. Thoroughly saturate surfaces with a use-solution of 1/2 ounce of HI-TOR PLUS per gallon of water for a minimum contact time of 10 minutes. HI-TOR PLUS can be applied with a mop, sponge or cloth as well as soaking. The recommended use solution is to be used once and discarded. Rinsing is not necessary on floor surfaces unless they are to be waxed or polished.

This product is not to be used as a terminal sterilant/high level disinfectant on any surface or instrument that (1) is introduced directly into the human body, either into or in contact with the bloodstream or normally sterile areas of the body, or (2) contacts intact mucous membranes but which does not ordinarily penetrate the blood barrier or otherwise enter normally sterile areas of the body. This product may be used to pre-clean or decontaminate critical or semi-critical devices prior to sterilization or high-level disinfection.

**FUNGICIDAL:** HI-TOR PLUS is an effective fungicide against the pathogenic fungi, *Trichophyton mentagrophytes* (Athlete's Foot Fungus) when used on hard, non-porous surfaces in areas such as locker rooms, dressing rooms, showers, and baths which are commonly contacted by feet. Follow disinfection directions for use for application procedure.

**MILDEWSTATIC:** To control mold and mildew on hard, non-porous surfaces, dilute 1/2 oz. HI-TOR PLUS per gallon of water. Wet surface thoroughly. Let air dry. Repeat application at weekly intervals or when mildew growth appears.

**\*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 PLUS. This cleaning may be accomplished with any cleaning solution, including this product.

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

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

**ANIMAL HOUSING FACILITIES:**

Recommended for disinfecting hard, non-porous surfaces including cages, kennels, vans, and equipment. Remove all animals and feeds from premises. Remove all litter, droppings, and manure from floors, walls, floors, and surfaces occupied or traversed by animals. Empty all feeding and watering appliances. Thoroughly clean all surfaces with soap or detergent and rinse with water. Saturate surfaces with use-solution of 1/2 oz. HI-TOR PLUS per gallon of water for a period of 10 minutes. Allow to air dry. Ventilate buildings and other closed spaces. Do not house animals or employ equipment until treatment

5/5

has been absorbed, set, or dried. Thoroughly scrub all treated feeding and watering appliances with soap or detergent, and rinse with potable water before reuse.

**STORAGE & DISPOSAL**

DO NOT CONTAMINATE WATER, FOOD OR FEED BY STORAGE OR DISPOSAL.

**PESTICIDE STORAGE:** Store at ambient temperature. Keep container tightly closed when not in use. Do not freeze.

**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:**

(1 gallon or less) - Do not reuse container. Wrap container and put in trash.

(greater than 1 gallon) - Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in sanitary landfill, or incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

<p>Net Contents: 2 Liter  1 U.S. Gal. (3.78 L)  2.5 Gal. (9.45 L)  5 Gal. (18.9 L)</p>
--

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

FEB 5 2003

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act as  
amended, for the pesticide,  
registered under EPA Reg. No. 303-91

Huntington Professional Products  
A Service of Ecolab Inc.  
370 North Wabasha Street  
St. Paul, MN 55102

EPA Reg. No. 303-91  
EPA Est.: 303-IN-1 (L), 1677-MN-1 (P)  
1677-CA-2 (R), 1677-TX-1 (D), 1677-OH-1 (H)  
1677-IL-2 (J), 1677-PR-1 (B), 1677-CA-1 (S)  
1677-NJ-1 (W), 1677-GA-1 (M), 1677-WV-1 (V)  
Superscript refers to first letter of date code

U.S. Patent No. 4,464,398

