



U.S. ENVIRONMENTAL PROTECTION AGENCY  
Office of Pesticide Programs  
Antimicrobials Division (7510P)  
1200 Pennsylvania Ave., N.W.  
Washington, D.C. 20460

EPA Reg. Number:

1677-249

Date of Issuance:

3/31/2015

NOTICE OF PESTICIDE:

Registration  
 Reregistration  
(under FIFRA, as amended)

Term of Issuance:

Conditional

Name of Pesticide Product:

XHC-1A

Name and Address of Registrant (include ZIP Code):

Brandy Koslop  
Ecolab, Inc.  
655 Lone Oak Drive  
ESC F7  
Eagan, MN 55121

**Note:** Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Antimicrobials 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 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 section 3(c)(7)(A). You must comply with the following conditions:

1. Submit and/or cite all data required for registration/reregistration/registration review of your product under FIFRA when the Agency requires all registrants of similar products to submit such data.

Signature of Approving Official:

*Elizabeth H. Watkins*

Elizabeth Watkins, Acting Product Manager 33  
Regulatory Management Branch I, Antimicrobials Division  
(7510P)

Date:

3/31/2015

2. Be aware that proposed data requirements have been identified in a Work Plan or proposed DCI. For more information on these proposed data requirements, you may contact the Team Leader for PM Team 36: [http://www.epa.gov/oppad001/contacts\\_ad.htm](http://www.epa.gov/oppad001/contacts_ad.htm).
3. The data requirements for storage stability and corrosion characteristics (Guidelines 830.6317 and 830.6320) are not satisfied. A one year study is required to satisfy these data requirements. Accelerated storage stability and corrosion characteristics study can be used, at the registrant's discretion, to fulfill these data requirements. You have 18 months from the date of registration to provide these data.
4. Make the following label changes before you release the product for shipment:
  - Revise the EPA Registration Number to read, "EPA Reg. No. 1677-249."
5. Submit one copy of the final printed label for the record before you release the product for shipment.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

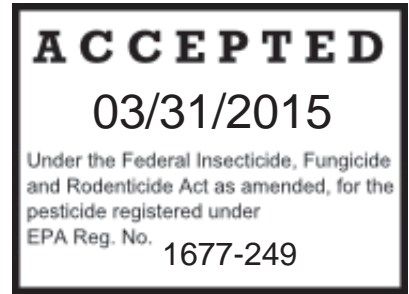
If you fail to satisfy these data requirements, EPA will consider appropriate regulatory action including, among other things, cancellation under FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records. Please also note that the record for this product currently contains the following CSFs:

- Basic CSF dated 10/10/14

If you have any questions, please contact Karen M. Leavy at (703) 308-6237 or [Leavy.Karen@epa.gov](mailto:Leavy.Karen@epa.gov).

Attachment or Enclosure

[Note to reviewer. Wording in brackets is considered optional.]



**XHC-IA**  
**[WFI Formula] [Water for Injection]**  
 [Gamma Irradiated]

ONE-STEP DISINFECTANT / HARD SURFACE DISINFECTANT / SANITIZER /  
 VIRUCIDE\*/VIRUCIDAL\*/ FUNGICIDE

For use in [Hospitals], [Hospital Compounding Pharmacies], [Compounding Pharmacies], [Clean Rooms], [Controlled Areas], [Pharmaceutical Manufacturing Facilities], [Biomedical Facilities], [Biotechnology Facilities], [Medical Device Facilities], [Life Science Laboratories]

**Active Ingredient:**

Isopropyl Alcohol\*\* .....62.7%

**Other Ingredients:**

Water\*\*\* .....37.3%

**Total:** .....100.0%

\*\*Isopropyl Alcohol 70% by volume

\*\*\*USP Water for Injection]

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**  
**Flammable**

Keep away from heat and open flame. Store at room temperature below 120°F (48.8°C).

US EPA Reg. No. 1677-[pending]  
 US EPA Est. No. 001677-GBR-001  
 Canadian DIN: XXXX-XXX

Net Contents: 500mL (16.9 fl oz)  
 1L (33.8 fl oz)  
 4L (1.06 U.S. Gallons)

Manufactured by:  
 Ecolab Inc.  
 370 N. Wabasha Street  
 St. Paul, MN 55102-1390  
 USA

Made in Great Britain

[Lot Number / Batch Code XXXXXX]  
 [EXPIRY: Day/Month/Year]

**PRECAUTIONARY STATEMENTS****HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**Caution:** Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

**FIRST AID**

**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. Call a poison control center or doctor for treatment advice.

**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, doctor, or going for treatment.

**PHYSICAL AND CHEMICAL HAZARDS**

**Flammable:** Keep away from heat and open flame. Do not mix this product with other chemicals such as acids, oxidizers, combustible materials, halogens, peroxides, bases and metal salts.

[Note to Reviewer: For containers of 5 gallons or more, the following Environmental Hazards language will appear on the final product label.]

**ENVIRONMENTAL HAZARDS:** This pesticide is toxic to birds, fish, and aquatic invertebrates. 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 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.

**DIRECTIONS FOR USE**

Read the label before using

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

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 medical devices prior to sterilization or high level disinfection.

**USE:** This product is designed specifically as a [one-step] disinfectant [virucide\*] [fungicide] [sanitizer] for use in hospital / manufacturing locations in areas such as: (NOTE TO REVIEWER: use sites to be selected from table below):

Hospitals	Hospital Compounding Pharmacies	Compounding Pharmacies
Clean Rooms	Controlled Areas	Pharmaceutical Manufacturing Facilities
Pharmaceutical Manufacturing Facilities	Biomedical Facilities	Biotechnology Facilities
Industrial Facilities	Healthcare Institutions	Biopharmaceutical

Biopharmaceutical Manufacturing Facilities	Medical Device Manufacturing Facilities	Diagnostic Manufacturing Facilities
Life Science Facilities	Animal Life Science Facilities	Pharmacies
Biomedical technology Research Facilities	Comparative Medicine Facilities	Laboratory Facilities
	Biotechnology Facility	

Use on hard, non-porous surfaces[in] [or] [on]: (NOTE TO REVIEWER: surfaces to be selected from table below):

Aseptic Filling Rooms	Gowning Rooms	General Manufacturing Areas
Isolators	Tables	Counters
Machinery	Floors	Walls
Hard surfaces	Non-porous hard surfaces	Transfer disinfection
Laminar Flow benches	Shelves	Transfer Hatches
Carts	Ceilings	Countertops
Gloved Hands [for transfer disinfection]	(Biosafety Level) (BSL) hoods	Equipment
Gloves	Hoods	Laboratory benches
Laminar flow curtains	Products in non-porous packaging for transfer disinfection.	Anywhere contamination control is required for hard, non-porous surfaces

\*\*\*\* For use on hard, non-porous surfaces only

[This product is compatible with [the listed materials] (NOTE TO REVIEWER: may select surfaces from list below). If the product is intended to be used on any other surface, it is recommended that you apply product to a smaller test area to determine compatibility before proceeding with its use.]

316 Stainless Steel	Zinc galvanized mild steel	Anodized aluminum
Polypropylene	PVC	Polyvinyl chloride
Polycarbonate	Cast acrylic	Extruded acrylic
Laminate		

\*\*\*\*For use on hard, non-porous surfaces only

#### **[DISINFECTION] [ONE-STEP CLEANING/DISINFECTION] [COMBINATION DISINFECTION AND CLEANING] [HARD SURFACE DISINFECTION]**

This product is ready to use. Do not dilute. This product is a one-step disinfectant cleaner on hard, non-porous surfaces in clean rooms and controlled areas [according to the AOAC Use Dilution Test modified] [in the presence of 5% blood serum]. For heavily soiled areas, a pre-cleaning step is required. Apply solution with mop, cloth, [sponge], [brush], [scrubber], disposable wiper, [coarse spray device,] or by soaking so as to wet all surfaces thoroughly. [If applying with a spray device, hold the bottle upright 6-8" from the surface. Always close the nozzle after use.] All surfaces must remain wet for a minimum of 5 minutes and then either allow to air dry or wipe dry with a [sterilized] cloth or wiper. When used as directed at a 5 minute contact time, this product is effective against:

*Staphylococcus aureus* (ATCC 6538)  
*Pseudomonas aeruginosa* (ATCC 15442)  
*Brevundimonas vesicularis* (ATCC 51560)  
*Burkholderia cepacia* (ATCC 25416)  
*Corynebacterium jeikeium* (ATCC 43216)  
*Escherichia coli* (ATCC 11229)  
*Micrococcus luteus* (ATCC 49732)  
*Staphylococcus epidermidis* (ATCC 12228)

**FOR USE AS A VIRUCIDE\***

This product is ready to use. Do not dilute. For heavily soiled areas, a pre-cleaning step is required. Apply solution to hard, non-porous surfaces in clean rooms and controlled areas with a mop, cloth, [sponge], [brush], [scrubber], disposable wiper, [coarse spray device,] or by soaking so as to wet all surfaces thoroughly. [If applying with a spray device, hold the bottle upright 6-8" from the surface. Always close the nozzle after use.] All surfaces must remain wet for the required contact time indicated in the directions for use. Allow surfaces to air dry or wipe dry with a [sterilized] cloth or wiper.

**VIRUCIDAL\*** in 5 minutes against the following viruses [according to the Virucidal Qualification Test modified][in the presence of 5% blood serum]:

\*Herpes Simplex Type I Virus (Herpes) (ATCC VR-733)

\*Herpes Simplex Type II Virus (Genital Herpes) (ATCC VR-734)

\*Influenza A Hong Kong H3N2 Virus (ATCC VR-544)

\*Rhinovirus Type 37 (ATCC VR-1147)

**FUNGICIDAL** in 10 minutes against *Trichophyton mentagrophytes* (ATCC 9533) on hard, non-porous surfaces [according to the AOAC Fungicidal Test] [modified in the presence of 5% blood serum].

**FUNGICIDAL** in 5 minutes against *Candida albicans* (ATCC 10231) and *Penicillium chrysogenum* (ATCC 10003) on hard, non-porous surfaces [according to the AOAC Fungicidal Test method] [modified in the presence of 5% blood serum].

**SANITIZATION**

This product is ready to use. Do not dilute. This product is a hard surface sanitizer for pre-cleaned, hard, non-porous, non-food contact surfaces in clean rooms and controlled areas. Apply solution with mop, cloth, [sponge], [brush], [scrubber], disposable wiper, [coarse spray device,] or by soaking, so as to wet all surfaces thoroughly. [If applying with a spray device, hold the bottle upright 6-8" from the surface. Always close the nozzle after use.] Allow surfaces to remain wet for a minimum of 3 minutes and then either allow to air dry or if desired wipe dry with a [sterilized] cloth or wiper. When used as directed at a 3 minute contact time, this product is effective against:

*Staphylococcus aureus* (ATCC 6538)

*Klebsiella pneumoniae* (ATCC 4352)

*Enterobacter aerogenes* (ATCC 13048)

**STORAGE AND DISPOSAL**

DO NOT CONTAMINATE WATER OR FOOD OR FEED BY STORAGE OR DISPOSAL.  
DO NOT STORE NEAR HEAT OR OPEN FLAME.

**PESTICIDE STORAGE:** Store in the original container in a dry cool place below 120°F (48.8°C). Absorb spills with inert dry absorbent or sand, then place in a chemical waste 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 HANDLING AND DISPOSAL:**

[For containers 5 gallons or less]

Non-refillable container. Do not reuse or refill this container. Triple Rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

### Optional Claims (Marketing Claims)

- Ready to Use, hard surface disinfectant solution for use in clean rooms and controlled areas containing 70% v/v Isopropyl Alcohol blended with Water for Injection
- Isopropyl Alcohol blended with WFI
- [Ready to use][product][hard, non-porous surface disinfectant solution]
- [This] [ready to use][product][hard, non-porous surface disinfectant solution][ is triple bagged][for easy transfer into clean rooms]
- Triple bagged
- [This] [ready to use][product][hard, non-porous surface disinfectant solution] is gamma irradiated
- Gamma irradiated
- [This] [ready to use][product][hard, non-porous surface disinfectant solution] is a blend of 70% v/v Isopropyl Alcohol with Water for Injection
- [This] [ready to use][product] is manufactured in clean rooms for use in clean rooms.
- [This] [ready to use][product][is made in accordance to the principles of Good Manufacturing Practices]
- Easy to use
- There is a choice of easy to use trigger sprays from 500mL to 4L containers [and capped ready to use]
- [This] [ready to use][product] can be used to remove residues [in clean rooms and controlled areas]
- [Application Area:] For use on floor, walls and hard surfaces in clean rooms and controlled areas.

#### Manufacturing claims:

- [This][ready to use][product][is][0.2 micron filtered][to remove [particulates][particles] from end use product]

(NOTE TO REVIEWER: The following claims are to be used on products packaged in the Ecolab SteriShield Delivery System container)

- The trigger spray bottle incorporates the patented SteriShield Delivery System and an adjustable trigger.
- SteriShield Delivery System [incorporated]
- SteriShield Delivery System protects the integrity of the contents throughout use
- The SteriShield Delivery System on the trigger spray formats has been validated to give an in use shelf life of three months [after opening] [or] [after initial use] [so there is no need to discard unused product]
- Closed trigger system provides:[Comfort and ease of use] [Optimum surface coverage][Fully adjustable (variable) nozzle][Completely sealed system]
- Fully adjustable trigger spray [which allows the liquid to be dispensed as either a jet or spray] [,which is particularly useful in critical areas]
- Fully adjustable trigger spray allows the liquid to be dispensed as either a jet or spray [enabling thorough wetting of the surface],[so that disinfection procedures are effective].
- All the disinfectant solution can be dispensed from the bottle [so there is no waste]
- Cost effective [unused product] [does not need to be discarded after opening] [or] [after initial use]
- Always close the nozzle after use.
- SteriShield Delivery System  
[Applicable US patent numbers; International patent application no. PCT/GB2010/051761]

(NOTE TO REVIEWER: The following claims are for use on sell sheets)

- Ready to use, can be sprayed directly onto the surface.
- Ready to use – apply directly onto surface – for optimum results also wipe.
- For optimum results, wipe the surface to physically remove any contaminants.



[See [back],[side],[other] label[panel] for [complete][additional][directions for use][precautionary statements][and][first aid] ]

