



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

August 2, 2019

Bridget Peterson
Regulatory Specialist I
Ecolab, Inc.
1 Ecolab Place
St. Paul, MN 55102

Subject: PRIA Label Amendment – Combine tablet and output solution labels
Product Name: Hydris Mineral Activator Tablet
EPA Registration Number: 1677-240
Application Date: December 21, 2018
Decision Number: 553819

Dear Ms. Peterson

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing conditions on your registration and any deadlines connected with them.

Through this amendment, EPA is issuing a single registration for the following:

1. The precursor material (sodium chloride), one generator device (“Ecolab Hydris Dispenser”), and two output solutions for treatment against pathogenic claims (“Hydris Disinfectant Sanitizer Cleaner” and “Hydris Sanitizer & Glass Cleaner”). The precursor, device, and output together comprise the registration and each component, including any container filled with one of the two output solutions, must have affixed to it the proper labeling for EPA Registration No. 1677-240: a label for sodium chloride (“Hydris Mineral Activator Tablet”), a label for both the “Hydris Disinfectant Sanitizer Cleaner” and the “Hydris Sanitizer & Glass Cleaner” output solutions. A technical manual that provides information on the generator device has been reviewed by EPA and is associated by reference with this registration.
2. The precursor material (sodium chloride), generator device (“Nalco Water Electrolytic Chlorine Generation System”) and output solution for direct treatment into potable and industrial cooling and process waters. The technical manual that provides information on the generator device has also been reviewed by EPA and is associated by reference with this registration.

In addition, the following alternate brand name has been added to the product record:

- Nalco 73660S

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

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.

Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6. If you have any questions, please contact Wanda Henson by phone at (703) 308-6345, or via email at henson.wanda@epa.gov

Sincerely,



Demson Fuller, Product Manager 32
Regulatory Management Branch II
Antimicrobials Division (7510P)
Office of Pesticide Programs

Enclosure

Hydris™ Mineral Activator Tablet (Nalco 73660S)

For use with (Ecolab) (Hydris) (Nalco e-Chlorine Generation and Dosing) Systems

Active Ingredient:

Sodium Chloride 99.97%

Other Ingredients: 0.03%

Total: 100.0%

ACCEPTED

08/02/2019

Under the Federal Insecticide, Fungicide
and Rodenticide Act as amended, for the
pesticide registered under

EPA Reg. No. 1677-240

KEEP OUT OF REACH OF CHILDREN

CAUTION

(See (back), (side), (inner) (other) (fold-out) (booklet) (hang-tag) (product container) (label(s)) (panel(s)) (container) for (complete) (additional) (information) (directions for use) (precautionary statements) (and) (first aid) (and) (storage and disposal) (container handling and disposal)).

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Causes moderate eye irritation. Harmful if swallowed, inhaled or absorbed through skin. Avoid contact with skin, eyes or clothing. Avoid breathing dust. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

(Note to reviewer: It is industry best practice to wear gloves, goggles and foot protection when using this product in industrial settings.)

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.

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

IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

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

**FOR EMERGENCY MEDICAL INFORMATION CALL TOLL-FREE: 1-800-328-0026
OUTSIDE NORTH AMERICA, CALL 1-651-222-5352**

DIRECTIONS FOR USE

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

The Hydris Dispenser is designed to use electricity to convert water and the Hydris Mineral Activator Tablet into an alkaline bleach solution. This conversion is accomplished using a three-chambered electrolytic cell. During normal operation, the Hydris Dispenser will refill a day tank automatically and only require operator input when an alarm indicates that more Hydris Mineral Activator Tablets are needed in the brine tank.

See Hydris Dispenser label, booklet and manual for more information.
Use solution onsite. Do not sell or distribute the solution to other sites.

1. Insert Hydris Mineral Activator Tablet into slot on the Hydris Dispenser indicated by "Insert Tablet Here."
2. Close front panel.

Or

The Nalco e-Chlorine Generation and Dosing System is designed to use electricity to convert water and (the) (Nalco 73660S) into an alkaline sodium hypochlorite solution. This conversion is accomplished using a single chamber electrolytic cell. During normal operation, the generator will refill a day tank automatically and only require operator input when an alarm indicates during operation; alarms occur when there is a malfunction of the equipment, such as loss of water flow or when more (Nalco 73660S) are required.

1. Add (Nalco 73660S) into the brine tank

See Nalco e-Chlorine Generation and Dosing System label and manual for more information.
Use solution onsite. Do not sell or distribute the solution to other sites.

POTABLE WATER TREATMENT:

Sodium hypochlorite (NaOCl) is used as a treatment in drinking water. The required dosages will vary with source water conditions and the degree of contamination present. Typically the target free available chlorine (FAC) residual concentration of up to 0.6 ppm is sufficient. Monitor the distribution system to ensure FAC concentration does not exceed its maximum residual disinfection level (MRDL) of 4.0 mg/L. Residual chemistry and byproducts must be below the National Primary Drinking Water Regulations (40 CFR Part 141) and state drinking water standards.

GENERAL INDUSTRIAL COOLING AND PROCESS WATER TREATMENT:

For control of non-pathogenic bacteria, slime forming bacteria and algae in General Industrial Cooling and Process Water Systems such as Raw Water, White Water Paper Mill Systems, Recirculating Closed Loop Cooling Systems, Once-Through Cooling Systems (Not for use in California), In-Line Reverse Osmosis Membrane Systems (Not for use in California) and Recirculating Cooling Water Systems, the required dosages will vary depending on the exact application and the degree of contamination present. The free available chlorine (FAC) residual concentrations is up to 10 ppm depending on system conditions.

For Continuous Dosing: Typically the FAC residual concentration range of up to 4.0 ppm is sufficient for continuous dosing.

For Intermittent Dosing: Typically the FAC residual concentration range of up to 10 ppm is sufficient. Intermittent treatments should be repeated as often as necessary to maintain control.

STORAGE & DISPOSAL

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

Pesticide Storage: Store this product in a cool, dry area, away from direct sunlight and heat.

Pesticide Disposal: Waste resulting from use of this product must be disposed of onsite or at an approved waste disposal facility.

Container Disposal: Non-refillable sealed container. Do not reuse or refill this container. Offer for recycling or reconditioning if available. Wrap empty container and put in trash.

Manufactured by:
Ecolab Inc.
1 Ecolab Place
St. Paul, MN 55102

Net Contents: 0.85 ounces (25 grams) 1.7 ounces (50 grams)
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(Made in United States of America) (Made in USA)

EPA Reg. No. 1677-240

EPA Est. No.: 303-IN-1 (L), 1677-CA-2 (R), 1677-GA-1 (M), 1677-IL-2 (J), 1677-MN-1 (P), 1677-TX-1 (D), 60156-IL-1 (SI), 1677-WV-1 (V), 5389-NC-1 (G), 58046-TX-2 (X), 66397-OK-1 (C)

Superscript refers to first letter of date code

This product may be patented | Ce produit peut être breveté | Este producto puede ser patentado: www.ecolab.com/patents

*Note to reviewer: For use with the 866 ppm solution
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Hydris™ Disinfectant Sanitizer Cleaner

Disinfectant, Virucide*, Fungicide, Mildewcide, Bactericide, Cleaner, Deodorizer

Active Ingredients:

Sodium Hypochlorite.....0.0866%

Other Ingredients.....99.9134%

Total.....100.00%

Available Chlorine: 0.0825% Free Available Chlorine (FAC)

(Date produced: _____)

KEEP OUT OF REACH OF CHILDREN

CAUTION

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PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Causes moderate eye irritation. Harmful if absorbed through skin or swallowed.

Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

PHYSICAL OR CHEMICAL HAZARDS

Mixing this product with acid or ammonia will release chlorine gas.

Do not mix solution with other cleaning products.

Do not use solution with acidic toilet-bowl cleaners, or bathroom/shower cleaning products.

Do not use solution on wool or natural carpet fibers.

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.

IF ON SKIN: 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 SWALLOWED: Call a poison control center or doctor immediately for treatment advice.

Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to by a poison control center or doctor. Do not give anything to an unconscious person.

Have the product container or label with you when calling a Poison Control Center or doctor or going for treatment.

**FOR EMERGENCY MEDICAL INFORMATION CALL TOLL-FREE: 1-800-328-0026
OUTSIDE NORTH AMERICA, CALL 1-651-222-5352**

DIRECTIONS FOR USE

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

Solution(s) are efficacious for up to 7 days from filling. After 7 days, empty and refill with fresh solution. Always use a clean Hydris™ spray bottle when filling this product.

Hydris™ Disinfectant Sanitizer Cleaner is intended for use in commercial, institutional and hospitality housekeeping. It cleans, deodorizes and kills germs in one step when following the disinfection use directions.

Hydris™ Disinfectant Sanitizer Cleaner is an activated aqueous solution of sodium hypochlorite produced by passing a brine solution through an electrolytic cell and changing the properties of the salt water into an oxidizing agent exhibiting antimicrobial properties.

The **Hydris™ Disinfectant Sanitizer Cleaner** is dispensed by the Ecolab Hydris dispenser at 825 ppm Free Available Chlorine as noted on the dispenser. No further dilution is required.

Hydris™ Disinfectant Sanitizer Cleaner is designed for use in:

- Hotel/motel housekeeping
- Commercial building routine cleaning of hard surfaces and floors.
- Schools, universities, and campus routine, daily cleaning of hard surfaces and floors.
- Cleaning high-touch surfaces such as door handles, tabletops, television remote-controls, headboards, doorknobs, etc.
- Deodorizing areas in restrooms and toilet areas, behind and under sinks and counters, garbage containers, urinals, floors and other hard, non-porous surfaces.
- Cleaning and disinfecting hospitals, assisted living facilities, long term care centers, nursing homes and medical clinics.

Hold sprayer 6-8 inches from the surface. Spray solution onto hard, non-porous surface, thoroughly wetting surfaces. Allow surface to remain wet for time indicated. Spread solution with a disposable cotton or microfiber wipe, sponge, or cloth. No rinsing necessary.

BACTERICIDAL in 5 minutes at 866 ppm sodium hypochlorite (825 ppm Free Available Chlorine) against the following pathogenic bacteria according to the AOAC Germicidal Spray Test in the presence of 5% blood serum when solution is sprayed onto hard, non-porous surfaces:

Acinetobacter baumannii (ATCC 19606)
Acinetobacter baumannii (MDR) (ATCC BAA-1605)
Escherichia coli (ATCC 11229)
Klebsiella pneumoniae (ATCC 4352)
Pseudomonas aeruginosa (ATCC 15442)
Salmonella enterica (ATCC 10708)
Serratia marcescens (ATCC 14756)
Shigella flexneri (ATCC 9380)
Staphylococcus aureus (ATCC 6538)
Staphylococcus aureus (VISA) (ATCC 700788)
Staphylococcus aureus (CA-MRSA) (ATCC BAA-1683)
Staphylococcus aureus (MRSA) (ATCC 33592)
Klebsiella pneumoniae (Carbapenem-resistant) (ATCC BAA-1705)
Enterobacter aerogenes (ATCC 13048)
Enterococcus faecalis (ATCC 29212)
Streptococcus pyogenes (ATCC 19615)

Shigella dysenteriae (ATCC 29026)
Listeria monocytogenes (ATCC 7644).

BACTERICIDAL in 10 minutes at 866 ppm sodium hypochlorite (825 ppm Free Available Chlorine) against the following pathogenic bacteria in the presence of 5% blood serum when solution is sprayed onto hard, non-porous surfaces:

Enterococcus faecalis (VRE) (ATCC 51299)
Escherichia coli O157:H7(ATCC 43895)

VIRUCIDAL* in 30 seconds at 866 ppm sodium hypochlorite (825 ppm Free Available Chlorine) against the following viruses in the presence of 5% blood serum on hard, non-porous surfaces:

*Influenza A virus H1N1 Strain (ATCC VR-1736)
 *Norovirus (Feline Calicivirus, strain F-9 ATCC VR-782 as Surrogate)
 *Murine Norovirus (Strain MNV-1.CW1)
 *Rhinovirus type 37, Strain 151-1 (ATCC VR-1147)
 *Herpes Simplex Virus Type I (ATCC VR-733 Strain F)
 *Herpes Simplex Virus Type II (ATCC VR-734, Strain G)
 *HIV-1 (Strain HTLV-III_B).

VIRUCIDAL* in 5 minutes at 866 ppm sodium hypochlorite (825 ppm Free Available Chlorine) against the following viruses in the presence of 5% blood serum on hard, non-porous surfaces:

*Adenovirus Type 5 (ATCC VR-5)
 *Hepatitis B Virus (HBV)
 *Human Coronavirus (ATCC VR-740)
 *Respiratory Syncytial Virus (RSV) (ATCC VR-26)
 *Rotavirus (Strain WA)
 *Vaccinia Virus (ATCC VR-119).

FUNGICIDAL in 10 minutes at 866 ppm sodium hypochlorite 825 ppm Free Available Chlorine) against the following fungi according to the AOAC Fungicidal Test in the presence of 5% blood serum on hard, non-porous surfaces:

Trichophyton interdigitale (formerly *Trichophyton mentagrophytes*) (ATCC 9533)
Aspergillus niger (ATCC 6275)

NON-FOOD CONTACT SURFACE SANITIZING in 1 minute at 866 ppm sodium hypochlorite (825 ppm Free Available Chlorine) against the following pathogenic bacteria in the presence of 5% blood serum:

Staphylococcus aureus (ATCC 6538)
Enterobacter aerogenes (ATCC 13048)

DEODORIZER Apply solution with sprayer, cloth, mop, auto-scrubber, or carpet extractor to surfaces harboring odor-causing bacteria.

STORAGE & DISPOSAL

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

Pesticide Storage: Store this product in a cool, dry area, away from direct sunlight and heat.

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:

Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose. To clean the container before final disposal, empty the remaining contents into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously, and dispose of rinsate consistent with pesticide disposal instructions. Repeat this rinsing procedure two more times. Then offer for recycling or reconditioning if appropriate or puncture and dispose of in a sanitary landfill.

*Note to reviewer: For use with the 273 ppm solution

Hydris™ Sanitizer & Glass Cleaner

Sanitizer, Cleaner, Deodorizer

Active Ingredients:

Sodium Hypochlorite.....0.0273%

Other Ingredients.....99.9727%

Total.....100.00%

Available Chlorine: 0.026% Free Available Chlorine (FAC)

(Date produced: _____)

KEEP OUT OF REACH OF CHILDREN

CAUTION

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PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Causes moderate eye irritation. Harmful if absorbed through skin or swallowed. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

PHYSICAL OR CHEMICAL HAZARDS

Mixing this product with acid or ammonia will release chlorine gas.

Do not mix solution with other cleaning products.

Do not use solution with acidic toilet-bowl cleaners, or bathroom/shower cleaning products.

Do not use solution on wool or natural carpet fibers.

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.

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

Have the product container or label with you when calling a Poison Control Center or doctor or going for treatment.

**FOR EMERGENCY MEDICAL INFORMATION CALL TOLL-FREE: 1-800-328-0026
OUTSIDE NORTH AMERICA, CALL 1-651-222-5352**

DIRECTIONS FOR USE

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

Solution(s) are efficacious for up to 7 days from filling. After 7 days, empty and refill with fresh solution. Always use a clean Hydris™ spray bottle when filling this product.

Hydris™ Sanitizer & Glass Cleaner is an activated aqueous solution of sodium hypochlorite produced by passing a brine solution through an electrolytic cell and changing the properties of the salt water into an oxidizing agent exhibiting antimicrobial properties.

The **Hydris™ Sanitizer & Glass Cleaner** is dispensed by the Ecolab Hydris dispenser at 260 ppm Free Available Chlorine as noted on the dispenser. No further dilution is required.

Hold sprayer 6-8 inches from the surface. Spray solution onto hard, non-porous surface, thoroughly wetting surfaces. Allow surface to remain wet for time indicated. Spread solution with a disposable cotton or microfiber wipe, sponge, or cloth. No rinsing necessary.

NON-FOOD CONTACT SURFACE SANITIZING in 4 minutes at 273 ppm sodium hypochlorite (260 Free Available Chlorine) in 250 ppm hard water against the following pathogenic bacteria in the presence of 5% blood serum:

Staphylococcus aureus (ATCC 6538)

Enterobacter aerogenes (ATCC 13048).

DEODORIZER Apply solution with sprayer, cloth, mop, auto-scrubber, or carpet extractor to surfaces harboring odor-causing bacteria.

STORAGE & DISPOSAL

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

Pesticide Storage: Store this product in a cool, dry area, away from direct sunlight and heat.

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:

Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose. To clean the container before final disposal, empty the remaining contents into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously, and dispose of rinsate consistent with pesticide disposal instructions. Repeat this rinsing procedure two more times. Then offer for recycling or reconditioning if appropriate or puncture and dispose of in a sanitary landfill.

Non-refillable container. Do not reuse this container to hold materials other than pesticides or diluted pesticide rinsate. Offer for recycling if available or puncture and dispose in a sanitary landfill, or by other procedures approved by state and local authorities.

Optional Marketing Language

(Note to reviewer: optional language will be used for the disinfectant or sanitizing solution, as appropriate)

(Si no puede leer en inglés, pregunte a su supervisor sobre las instrucciones de uso apropiadas antes de trabajar con este producto.) (If you cannot read English, ask your supervisor for the appropriate instructions before handling this product.)

- Stable precursor
- Reliable operation
- Consistent quality
- Cleans every day dirt and soils from surfaces
- Deodorizes – or – Deodorizer
- Easy to use
- Eliminates odors
- Eliminates odors caused by (bacteria) (germs) (mildew)
- Leaves (bathroom(s)) (restroom(s)) (locker room(s)) (surfaces) (clean and) sanitary
- Leaves behind a fresh clean smell – or – fragrance
- Low odor (formula – or – profile)
- No rinsing necessary
- One-step cleaner (and disinfectant) when following the disinfection use directions
- Removes odors (at the source)
- Streak-free – or – clean formula
- Effective against odor causing bacteria
- (This product is) VOC (Volatile Organic Compounds) compliant
- (This product) Contains no NPEs (Nonylphenol ethoxylates)
- (This product is) Phosphate free
- Leaves surfaces sanitized
- Sanitizer
- Sanitizes hard, non-porous surfaces
- Antibacterial (action)
- Bacteria-fighting – or – Germ-fighting formula
- Bactericide – or – Bactericidal
- Restroom – or – bathroom disinfectant
- Broad spectrum disinfectant (cleaner)
- Cleans and disinfects
- Cleans and disinfects within 5 minutes
- Cleaner and disinfectant in one when following the disinfection use directions
- Cleans – and/or – disinfects (bathroom) (school) (classroom) (restroom) (locker room) (office) (work – or – office place) (environment) (place) (floors) (table – or – desk tops) (hard, non-porous surfaces) (railings) – and/or – deodorizes
- Disinfects
- Disinfects and deodorizes by killing (germs – or – bacteria) and controlling their odors
- Disinfects as it cleans
- Disinfects hard, non-porous surfaces
- Easily (cleans) (deodorizes) (sanitizes) (disinfects)
- (Effective) disinfectant (in the presence of 5% serum load – or – organic soil)
- Germicide – or Germicidal
- Institutional disinfectant
- Kill(s) – and/or – disinfect(s) –and/or – destroy(s) (the) cold virus – and/or – flu virus – and/or – cold and flu virus(es) – and/or viruses that can cause cold – and/or – flu
- Kill(s) – and/or - disinfect(s) – and/or - and/or – destroy(s) Methicillin-resistant *Staphylococcus aureus* ((MRSA)) – and/or – Community Acquired Methicillin-resistant *Staphylococcus aureus* (CA-MRSA) on hard, non-porous surfaces
- Kills cold and flu virus on hard, non-porous surfaces
- Kills germs while it cleans

- Kills Pandemic 2009 H1N1 Influenza A virus (formerly called swine flu) on hard, non-porous surfaces
- Multipurpose disinfectant
- Fungicidal –or– Fungicide
- Kills mold and mildew on hard, non-porous surfaces
- Kills athlete's foot fungus on hard, non-porous surfaces
- Mildewcidal –or– Mildewcide
- Removes –and/or – cuts through – and/or- tough on mold –and/or mildew
- Disinfectant
- Non-food contact surface sanitizer
- Effective in the presence of 5% organic soil contamination
- One-step disinfectant/cleaner when following the disinfection use directions
- One-step sanitizer/cleaner when following the sanitization use directions
- One-step germicidal/cleaner and deodorant when following the disinfection use directions
- Hospital Disinfectant
- Sanitizer
- Effective in the presence of 5% organic soil contamination
- Effective one-step sanitizer/cleaner in hard water up 250 ppm hardness when following the disinfection use directions
- Commercial building routine cleaning of hard surfaces, including glass/mirror surfaces, and floors.
- Schools, universities, and campus routine, daily cleaning of hard surfaces and floors.
- Cleaning high-touch surfaces such as door handles, tabletops, television remote-controls, headboards, doorknobs, etc.
- Deodorizing areas in restrooms and toilet areas, behind and under sinks and counters, garbage containers, urinals, floors and other hard surfaces.
- Commercial building routine cleaning of hard surfaces, and floors.
- Schools, universities, and campus routine, daily cleaning of hard surfaces and floors.
- Deodorizing areas in restrooms and toilet areas, behind and under sinks and counters, garbage containers, urinals, floors and other hard surfaces.

USE LOCATIONS: (For)

Use on hard, non-porous surfaces around –or– in –or– throughout:

- Assisted Living Facilities
- Athletic Facility(Facilities)
- Bathroom(s)
- Business(es)
- Commercials Building(s)
- Daycare Center(s) –or- Childcare Center(s)
- Fitness Center(s)
- Government Building(s)
- Health Club(s)
- Healthcare (facilities)
- Hospital(s)
- Hotel(s)
- Institutions
- Laboratories
- Lodging
- Locker Room(s)
- Long Term Care Center(s)
- Medical Facilities
- Motel(s)
- Office(s) (Buildings)
- Patient Care Area(s)
- Recreational Center(s) –or– Facility (Facilities)
- Retail Center(s)
- School(s) –and/or– University(Universities) – and/or– Colleges

USE SITES: (For) Use on hard, non-porous surfaces of – or – The product will not damage –or– harm

- (Bath) Tubs
- (Classroom) Desks
- Diaper Changing Table(s)
- Diaper Pail(s)
- (Door) Knobs
- Elevator(s)
- Fixture(s)
- Examination Tables – and/or- Beds
- Floors
- Glass –and/or- Mirror Surfaces
- High-Touch Point(s)
- Patient Bed(s) –and/or Rail(s)
- (Play) Tables(s) – and/or– Stations
- Shower Curtain(s)
- Shower stall(s)
- Shower(s)
- Sink(s)
- Table(s)
- External surfaces of toilet(s)
- External surfaces of urinal(s)
- (Water) (Drinking) Fountain
- (Washable) Chair(s)
- (Washable) Walls

USE SURFACES:

- ABS (Acrylonitrile butadiene styrene) (plastic)
- Aluminum
- (Brushed) (Polished) Nickel
- (Brushed) Bronze
- Glass
- Sealed Granite
- Hard, non-porous surfaces –or– environmental surfaces
- Limestone
- Melamine
- Mirror
- (Polished) Chrome
- Polyacrylic
- Polycarbonate
- Polyethylene
- Polypropylene
- Slate
- Stainless Steel (304)
- Terrazzo
- To avoid possibility of discoloration, avoid prolonged contact of the 825 ppm FAC or 866 ppm sodium hypochlorite solution with certain metals (such as brass, steel), and marble surfaces.

HYDRIS DISPENSER

Installation and Operation Manual

SAFETY PRECAUTIONS

The following safety precautions must always be followed during the installation, operation, and servicing of the *Hydris Dispenser*:

- Never drink any of the solutions, or apply solutions to food or a food preparation surface
- Never mix any of the solutions with anything except water, ensure that containers are free of any chemical residue prior to dispensing solution
- Never obstruct the hydrogen vent (shown in the backview in section 4.2).
- Never sniff the headspace of the day tank or any ancillary container that contains the solutions
- Avoid breathing dust
- Always turn the power off and unplug the unit when service is needed
- There are no user serviceable parts inside; only properly trained ECOLAB personnel should service the unit
- Operating personnel must be outfitted with suitable personal protective equipment in accordance with the legal requirements and the product labeling
- Always fasten the unit to the wall

If any of the solutions are ingested, immediately consult a physician. If eye or skin contact is made with the brine solution, or if eye contact is made with any of the other solutions, immediately flush with water and consult a physician.

If a strong chlorine odor is present, immediately vacate the area and call your ECOLAB representative. Once the odor has dissipated, return to unplug the unit and ventilate the area.

STANDARD OPERATING PROCEDURE

Follow the listed steps for typical day-to-day use and operation of the dispenser. The following steps are assuming the initial start-up procedure has been completed. Under normal use conditions, operator interaction with the dispenser only consists of adding activator pucks to the brine tank when the unit alarms. All other interaction must only be performed by qualified personnel.

OPERATION

1. The *Hydris Disinfectant Sanitizer Cleaner* solution can be filled into the dispensing bottles by using the day tank spigot located on the front of the day tank. Place the container below the spigot head, tilt the spigot handle up (all the way locks the handle open) or down to open the valve. Release the handle to stop the flow.
2. The *Hydris Sanitizer & Glass Cleaner* solution dispensers are actuated by the blue buttons on the front of the unit. The floor solution button is capable of locking in place for hands-free dispensing as needed, and the floor solution hose is equipped with an attachment to clip the hose to container being filled.
3. With Auto Generation Enabled at installation (sec 5.1, step 13), the system will automatically generate solution when the day level is 50% of the set point or less. The set point can be adjusted between approximately 4 and 10 gallons from the Set Day Tank Size screen (Up, Left, Right, Down – Setup – Set Day Tank Size). It is important to reduce the size setting of the day tank only if the customer is not using the solution within a week of generation.
4. The activator concentration is reduced during the operation of the dispenser. The user should be aware of the activator level in the brine tank. The user should add two packs of activator pucks (20 pucks) when the brine tank appears to be running out of visible tablets, and especially when the system alerts of low activator. Ignoring this step will cause the dispenser to shut down.

IMPORTANT – Never mix anything with the output cleaning solution. Serious injury or death could result! Never put anything but the supplied activator pucks into the brine tank. Doing so could cause damage to the unit and possible injury or death!

Electrolytic Chlorine Generation System

Installation and Operation Manual

Operating and Maintenance Personnel (for equipment)

Operating and maintenance personnel are defined as those persons who are responsible for the transportation, assembly, installation, set up and cleaning of the equipment. Applicable guidelines:

1. The Electrolytic Chlorine Generation System (eChlorine generator) may only be operated by trained and authorized persons.
2. The areas of responsibility when operating the machine must be clearly defined and observed so that there is no question of competencies from a safety aspect.
3. Shutdown procedures detailed in this operating manual must be observed for all work (operation, maintenance, repairs, etc.)
4. The operator must work safely and convey a healthy attitude toward safety in the workplace.
5. The operator must ensure that no unauthorized persons work on the system.
6. The operator is obliged to immediately report to the equipment owner any noticed changes to the machine which might affect safety.
7. The owner/operator is obliged to operate the machine only when it is in proper working condition.
8. Operating personnel must be outfitted with suitable personal protective equipment in accordance with the legal requirements and the material being processed by the owner.
9. The operator must use personal protective equipment whenever required and monitor use by others at all times they are working around or on the system.

NOTE

The following is required in addition to the personal protective equipment already specified by the owner:

- Safety shoes
- Safety glasses
- Safety gloves

System Overview

Nalco Water's eChlorine generator generates and injects sodium hypochlorite into pressurized lines. The eChlorine generator uses sodium chloride to safely produce a sodium hypochlorite solution. When operated according to the guidelines in this manual, this equipment safely generates a 6,000 mg/l solution of sodium hypochlorite, at a capacity of 2.0 lbs/day or 0.9 kg/day.

eChlorine Generator System Set Up

Basic start-up:

To set up the eChlorine generator,

- On the feed water line place the Carbon filter inside the blue filter housing.
- Attach the foot valves to the sodium chloride lines ($\frac{1}{4}$ inch (.635 cm) OD, FEP clear) and place it in the brine tank.
- Ensure that brine tank is located on an approved containment skid.
- Connect the feed water source to the inlet side of the filter using the supplied $\frac{1}{2}$ (1.25cm) inch flexible tubing and fittings.
- Connect softener regeneration to drain
- Connect brine inlet from tank
- Connect regeneration inlet
- Connect electrolytic cell vent
- Connect sodium hypochlorite dosing lines to generator.
- Secure dosing lines and fittings.