



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

EPA Reg. Number:

82229-1

Date of Issuance:

12/16/21

NOTICE OF PESTICIDE:

Registration  
 Reregistration  
(under FIFRA, as amended)

Term of Issuance:

Unconditional

Name of Pesticide Product:

Hyposhield 1000

Name and Address of Registrant (include ZIP Code):

ChlorKing, Inc.  
2395 Northeast Parkway  
Atlanta, GA 30360

**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 (FIFRA).

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 unconditionally registered in accordance with FIFRA section 3(c)(5) provided that you:

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

Signature of Approving Official:

Demson Fuller  
Product Manager 32, Registration Management Branch I  
Antimicrobials Division (7510P)

Date:

12/16/21

2. Make the following label changes before you release the product for shipment:
  - Revise the EPA Registration Number to read, “EPA Reg. No. 82229-1.”
3. Submit one copy of the revised 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 FIFRA and is subject to review by the Agency. See FIFRA section 2(p)(2). 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) lists 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, FIFRA section 12(a)(1)(B). 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 Assurance.

Because you have opted to add statements pertaining to emerging viral pathogens to your label as described in the August 19, 2016, Guidance to Registrants: Process For Making Claims Against Emerging Viral Pathogens Not On EPA-Registered Disinfectant Labels (“Guidance”), [https://www.epa.gov/sites/production/files/2016-09/documents/emerging\\_viral\\_pathogen\\_program\\_guidance\\_final\\_8\\_19\\_16\\_001\\_0.pdf](https://www.epa.gov/sites/production/files/2016-09/documents/emerging_viral_pathogen_program_guidance_final_8_19_16_001_0.pdf), you are subject to the following additional terms of registration:

1. You may make statements pertaining to emerging viral pathogens only through the following communications outlets: technical literature distributed exclusively to health care facilities, physicians, nurses and public health officials, "1-800" consumer information services, social media sites and company websites (non-label related). These statements shall not appear on marketed (final print) product labels.
2. Your statements pertaining to emerging viral pathogens must adhere to the format approved on the Agency-accepted master label.
3. You may make statements pertaining to emerging viral pathogens only upon a disease outbreak that meets all the following criteria:
  - a. The causative organism must be a virus that causes an infectious disease that has appeared in a human or animal population in the U.S. for the first time, or that may have existed previously but is rapidly increasing in incidence or geographic range.
    - i. For human disease, the outbreak is listed in one of the following Centers for Disease Control (CDC) publications:
      - A. CDC Current Outbreak List for “U.S. Based Outbreaks” ([www.cdc.gov/outbreaks](http://www.cdc.gov/outbreaks)),
      - B. CDC Current Outbreak List for “Outbreaks Affecting International Travelers” with an “Alert” or “Advisory” classification ([www.cdc.gov/outbreaks](http://www.cdc.gov/outbreaks)) (also released through the CDC’s Health Alert Network (HAN) notification process)
      - C. Healthcare-Associated Infections (HAIs) Outbreaks and Patient Notifications page ([www.cdc.gov/hai/outbreaks](http://www.cdc.gov/hai/outbreaks))

ii. For animal disease, the outbreak is identified as an infectious disease outbreak in animals within the U.S. on the World Organization for Animal Health (OIE) Weekly Disease Information page ([www.oie.int/wahis\\_2/public/wahid.php/Diseaseinformation/WI](http://www.oie.int/wahis_2/public/wahid.php/Diseaseinformation/WI)).

- A. The CDC or OIE has identified the taxonomy, including the viral family and/or species, of the pathogen and provides notice to the public of the identity of the emerging virus that is responsible for an infectious disease outbreak. Based on the taxonomy of the outbreak pathogen identified by the CDC or OEI, the pathogen's viral subgroup is enveloped and large non-enveloped.
- B. The virus can be transmitted via environmental surfaces (non-vector transmission), and environmental surface disinfection has been recommended by the CDC, OIE or EPA to control the spread of the pathogen.
4. You may begin communicating statements pertaining to emerging viral pathogens only upon CDC or OIE's publication per term 3.a. of an outbreak of an emerging viral pathogen meeting all of the criteria of term 3. You must cease and remove all such non-label communications intended for consumers no later than 24 months after the original publication of the outbreak per term 3.a., unless the Agency issue written guidance to the contrary due to continued public health concerns. The emerging pathogen claim language may remain on the master label.
5. Terms from points 1 through 4 above shall become immediately void and ineffective if registration for use against *pseudomonas aeruginosa* (ATCC15442); *staphylococcus aureus* (ATCC 6538); adenovirus 5 (ATCC VR-5) Strain Adenoid 75; and rhinovirus 37 (ATCC VR-1607), Strain 151-1 is suspended or cancelled or no longer meets the criteria for a disinfectant claim (see EPA Product Performance Test Guideline 810.2200). In addition, terms B.1 through B.4 above shall become immediately void and ineffective upon your receipt of evidence of ineffectiveness against any pathogen in a less-resistant Spaulding category.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6. 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 04/13/2021
- Alternate CSF 1 dated 04/13/2021

If you have any questions, please contact Demson Fuller by phone at 571-305-3910, or via email at [fuller.demson@epa.gov](mailto:fuller.demson@epa.gov).

Sincerely,



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

Enclosure

# HYPOSHIELD 1000

## Broad Spectrum Disinfectant

This product kills 99.9% of Bacteria\* and Viruses† in 10 Minutes

Active ingredient hypochlorous acid (HOCl)

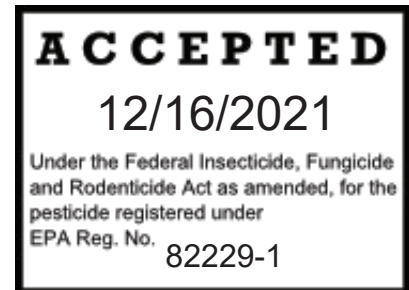
**ACTIVE INGREDIENT:**

Hypochlorous acid:.....0.1%

OTHER INGREDIENTS:.....99.9%

**TOTAL:.....100.0%**

Contains 1,000 ppm Free Available Chlorine (FAC)



**KEEP OUT OF REACH OF CHILDREN  
CAUTION**

(See first aid statement below)

**NET CONTENTS:[ ] EPA Reg. No. 82229-R EPA Est. No. [ ] 82229-GA-001**

**Distributed By:**

ChlorKing, Inc  
2935 Northeast parkway  
Atlanta, GA 30360

**Environmental Commitment**

This product is not harmful to septic and sewer systems. This bottle is coded for recyclers. Check to see if recycling facilities accept colored HDPE. Contains no VOCs. Low Odor. Fresh and clean scent.

**Do not use on steel, aluminum, silver, or chipped enamel. Prolonged contact with metal may cause pitting or discoloration. Test in an inconspicuous place for color washout or contact incompatibility.**

**FIRST AID**

Call a poison control center or doctor for treatment advice. Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact the National Pesticide Information Center (NPIC) 1-800-858-7378 for emergency medical treatment information.

(Note to Reviewer: Text in { } is optional. Brackets [ ] indicate that at least one option within the brackets must be used in the final label text. Parentheticals ( ) are meant to appear on final label.

“This product” can be substituted with actual product name in the marketing and directions for use.)

†This product is effective as a virucide against Adenovirus 5, strain Adenoid 75, ATCC VR-5 and Rhinovirus 37, strain 151-1, ATCC VR-1607

### Physical or Chemical Hazards

Do not use this product with other household or industrial cleaners such as toilet bowl cleaners, rust removers, acids, or products containing ammonia. To do so will release hazardous, irritating gas. Prolonged contact with metal may cause pitting or discoloration. Wiping metal surfaces, after drying, with a clean water-dampened soft cloth helps ensure best protection from pitting or discoloration.

### DIRECTIONS FOR USE

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

[HYPOSHIELD™ 1000 cleans and disinfects: hospitals, medical clinics, ambulances, emergency rooms, dentist offices, home health care settings, funeral homes, correctional facilities, dormitories, colleges, schools, day care centers, churches, gymnasiums, locker rooms, hotels, cruise ships, airplanes, trains, yachts, campers, food processing plants, restaurants, bars, grocery stores, veterinary facilities, kennels, pet shops, office buildings, public facilities, and homes.]

#### [ALLERGEN DESTRUCTION APPLICATIONS:

To Destroy Specified Allergens: Dilute 1:9 to 1:4 with water to prepare a 100-200 ppm FAC sanitizing solution. As an option, use chlorine test strips to adjust to desired chlorine level. Apply solution with paper towel, cloth, mop, sponge, spray or immersion. Treated surfaces must remain wet for 1 minute. Reapply as necessary to ensure surface remains wet for entire contact time. Allow surfaces to air dry. This product breaks down and destroys allergens: dust mite matter, dust mite debris, cockroach matter, cockroach debris, pet dander, dog dander, cat dander and pollen particles. Use daily or as often as desired.]

#### [AGRICULTURAL APPLICATIONS:

**Cut Flowers or Plants:** For longevity of cut flowers or plants mix 0.5 - 1 ounce of HYPOSHIELD™ 1000 per quart of water to make a 15-30 ppm FAC solution for use in flower vase or buckets to retard the growth of non-public health bacteria. Change solution if it gets murky or hazy. Spray diluted solution on plants or flowers to control bacteria growth.]

#### DISINFECTION APPLICATIONS\*

**Hard Non-Porous Surface Disinfection:** To Clean, Disinfect and Deodorize Hard, Non-Porous Surfaces: Preliminary cleaning is required for all surfaces prior to disinfection. This product was not tested with at least 5% soil load.

Dilute 1:1 with water to prepare a 500 ppm FAC solution and wipe, spray, or dip HYPOSHIELD™ 1000 to hard, non-porous surfaces with a cloth, wipe, mop or sponge. Treated surfaces must remain visibly wet for 10 minute.

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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, 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.]

**\*Organisms for Disinfection Applications:**

(Contact Time: 10 minutes, unless otherwise noted)

- ***Pseudomonas aeruginosa*** (ATCC 15442);
- ***Staphylococcus aureus*** (ATCC 6538);
- †**Adenovirus 5 (ATCC VR-5)** Strain Adenoid 75
- †**Rhinovirus 37 (ATCC VR-1607)**, Strain 151-1

[HYPOSHIELD™ 1000 is an activated aqueous solution of sodium chloride produced by passing weak salt brine through the electrolytic cell(s) of HYPOGEN™ generators using Electro-Chemical Activation (ECA) technology to temporarily change the properties of dilute salt water into an oxidizing agent exhibiting antimicrobial properties.]

[HYPOSHIELD™ 1000 is produced at a pH range of 4-5 where the predominant antimicrobial agent is hypochlorous acid. When produced, HYPOSHIELD™ 1000 contains a minimum of 1,000ppm free available chlorine.]

**Date Produced:** [Date]

[HYPOSHIELD™ 1000 must be used for disinfection applications within 24 hours after being produced OR product must be diluted and, as an option, may be tested with chlorine test kit or chlorine test strips to adjust to desired chlorine level for deodorizing, and cleaning applications.]

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†This product is effective as a virucide against Adenovirus 5, strain Adenoid 75, ATCC VR-5 and Rhinovirus 37, strain 151-1, ATCC VR-1607

**[Marketing Claims Against Emerging Viral Pathogens**

{As per attachment of the GUIDANCE TO REGISTRANTS: PROCESS FOR MAKING CLAIMS AGAINST EMERGING VIRAL PATHOGENS NOT ON EPA-REGISTERED DISINFECTANT LABELS, ChlorKing, Inc., agrees to the following terms of registration:}

This product meets the criteria to make the claims against certain emerging viral pathogens from the following viral categories:

- Enveloped viruses
- Large non-enveloped viruses

<b>For an emerging viral pathogen that is a/an...</b>	<b>...follow the directions for use for the following organisms on the label:</b>
<b>Enveloped virus</b>	<u>One of the following:</u> Rhinovirus Type 37, ATCC VR-1607, Strain 151-1, Adenovirus Type 5, ATCC VR-5 Strain Adenoid 75
<b>Large, non-enveloped virus</b>	Rhinovirus Type 37, ATCC VR-1607, Strain 151-1

Acceptable claim language:

*[HYPOSHIELD™ 1000] has demonstrated effectiveness against viruses similar to [name of emerging virus] on hard, non-porous surfaces. Therefore, [HYPOSHIELD™ 1000] can be used against [name of emerging virus] when used in accordance with the directions for use against [name of supporting virus(es)] on hard, non-porous surfaces. Refer to the [CDC or OIE] website at [pathogen-specific website address] for additional information.*

*[Name of illness/outbreak] is caused by [name of emerging virus]. [HYPOSHIELD™ 1000] kills similar viruses and therefore can be used against [name of emerging virus] when used in accordance with the directions for use against [name of supporting virus(es)] on hard, non-porous surfaces. Refer to the [CDC or OIE] website at [website address] for additional information.]*

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### STORAGE AND DISPOSAL

**Do not contaminate water, food, or feed by storage and disposal, or cleaning of equipment**

***{Note to reviewer: The following text is for residential/household containers.}***

**Pesticide Storage:** Store (HYPOSHIELD™-1000) (this product) in its original sealed container at room temperature, away from direct sunlight and heat to avoid deterioration.

**Pesticide Disposal and Container Handling:** Nonrefillable container. Do not reuse or refill this container. Wrap [container] and put trash or offer for recycling if availability.

***{Note to reviewer: The following text is for commercial/institutional products. Product is non-dilutable.}***

**Pesticide Storage:** Store (HYPOSHIELD™-1000) (this product) in its original sealed container at room temperature, away from direct sunlight and heat to avoid deterioration.

**Pesticide Disposal:** Wastes from the use of this product may be disposed of on site or at an approved waste disposal facility.

**Container Handling:** Nonrefillable container. Do not reuse or refill this container. Offer container for recycling if available or reconditioning if appropriate or puncture and dispose of in sanitary landfill, or by incineration.

### WARRANTY STATEMENT

**ChlorKing Inc., warrants that this product conforms to the product specification on this label and is reasonably fit for the purpose set forth in the Directions for Use. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS FOR PARTICULAR PURPOSE OR MERCHANTABILITY IS MADE.**

Made in USA [graphic]

Mobius loop [graphic]

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