



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

EPA Reg. Number:

95292-1

Date of Issuance:

7/27/22

NOTICE OF PESTICIDE:

Registration
 Reregistration
 (under FIFRA, as amended)

Term of Issuance:

Unconditional

Name of Pesticide Product:

ionopure 1650

Name and Address of Registrant (include ZIP Code):

Brian Hogan
 Ionogen
 409 Bearden Park Circle
 Knoxville, TN 37919
 Electronic Transmittal: brianhogan330@gmail.com

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.
2. 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. You have 18 months from the date of registration to provide these data.

Signature of Approving Official:

Demson Fuller, Product Manager 32
 Regulatory Management Branch I
 Antimicrobials Division

Date:

7/27/22

3. Make the following label changes before you release the product for shipment:
 - Revise the EPA Registration Number to read, “EPA Reg. No. 95292-1.”
4. 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.

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 12/28/2021

If you have any questions, please contact Wanda Henson by phone at (202) 566-0650, or via email at henson.wanda@epa.gov

Sincerely,



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

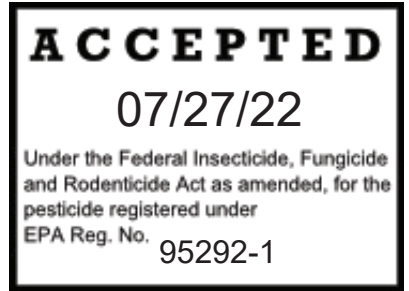
Enclosure

Throughout the label { } used for Notes to Reviewer [] used for optional text and () is used for required clarifications and acronyms.

ionopure 1650

[Alternate Brand Names: ionopure 1650 Disinfectant, ionopure 1650 Virucide, ionopure Disinfectant, ionopure Virucide]

Ready to Use Disinfectant for Hard Non-Porous Surfaces
For Commercial and Household Use



Active Ingredient:

Hypochlorous Acid 0.165%

Other Ingredients: 99.835%

Total: 100.000%

[Contains 2250 ppm Free Available Chlorine (FAC)]

KEEP OUT OF REACH OF CHILDREN

NET CONTENTS: _____

EPA Est. No. 95292-1
EPA Est. No. XXXXX-XX-X

Manufactured by:

Ionogen, LLC
409 Bearden Park Circle
Knoxville, TN 37919
Phone: 865-444-7200

Date produced: _____

Ionopure 1650 must be used within 30 days of production or tested with a chlorine test strip. Do not use product when chlorine concentration is below 1490 ppm.

PRECAUTIONARY STATEMENTS

Physical or Chemical Hazards: Do not mix ionopure 1650 with other chemicals such as other household or industrial chemicals such as toilet bowl cleaners, rust removers, acids, strong bases, or products containing ammonia.

[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 the federal law to use this product in a manner inconsistent with its labeling.

To Clean, Disinfect, and Deodorize Hard, Non-Porous Surfaces and/or Floors: Visibly soiled areas must be pre-cleaned prior to application. Spray onto surfaces and allow to remain visibly wet for 1 minute. Then air dry or wipe dry. Rinse or wipe dry on metal surfaces.

* Microorganism Table

Target Pathogens for Disinfection	Strain	Contact Time
Staphylococcus aureus	ATCC 6538	1 Minute
Pseudomonas aeruginosa	ATCC 15442	1 Minute
† Rhinovirus 16	ATCC VR-283	1 Minute

To Clean and Deodorize Toilet Bowls and/or Urinals and/or Bidets above the water line: Remove visible soil prior to disinfection. Empty toilet bowl or urinal and liberally spray to exposed surfaces including under the rim until the surface is thoroughly wet. Brush or swab all surfaces thoroughly. Treated surfaces must remain visibly wet for at least 1 minute before flushing again. Allow to air dry.

To Clean and Disinfect Hard, Non-Porous Surfaces in Veterinary / Animal Facilities and Kennels: Remove all litter, droppings, and manure from walls, floors, and surfaces or facilities occupied or traversed by animals. Empty all feeding and watering equipment. Remove visible debris from surfaces before applying this product. Spray onto the surface until thoroughly wet. Allow surfaces to remain visibly wet for 1 minute. Rinse or wipe dry on metal surfaces.

Refilling Spray Bottle: Refill this container with ionopure 1650 only. Do not reuse this container for any other purpose. Twist spray cap counter-clockwise. Clean container promptly after emptying. Refill the bottle with the amount of solution intended for use. Store remainder in the pouch in a cool, dark place. Replace cap by twisting clockwise to tighten spray head on the bottle.

USE SITES

Hard, Non-porous Use Sites: General

- Agricultural facilities
- Agriculture Facility[s]
- Airplanes
- Airports
- Animal [Cages] [Equipment]
- Animal [Feed Rack]
- Animal [Utensils] [Instruments]
- Apartments
- Arcades
- Automobiles

- Bars, breweries, distilleries
- Basements
- Bathroom facilities
- Bed rail, frame, headboard, footboard
- Beverage shops
- Bidet
- Blood Banks
- Boats
- Booster seat
- Bowling Alleys
- Bus
- Businesses
- Cafeteria[s]
- Call Centers
- Campers
- Cars
- Carts
- Catteries
- Chair
- Churches or Religious Facilities
- Coffee shops
- Coliseums
- Colleges and Universities
- Colleges
- Commercial buildings
- Condominiums
- Construction Site
- Convention Center
- Convenience stores
- Cooler (exterior surfaces)
- Counter Tops
- Cribs
- Cruise Liners or Ships
- Day care center or Schools
- Delicatessens
- Desk
- Dishes
- Doorknob
- Facilities
- Faucet
- Fish Cleaning Station and equipment
- Fitness centers
- Fitness facilities
- Floors
- Food processing facilities
- Food service facilities
- Food serving areas
- Glassware
- Grocery stores
- Medical Gurneys
- Hamper
- Handrails
- Homes
- Hospitals, health clinics, physician offices, dental offices, chiropractic offices, acupuncture facilities
- Hotels, Motels, bed-and-breakfasts, hostels
- Indoor playgrounds
- Industrial and commercial facilities
- Kennels
- Laboratories
- Light Switches
- Locker rooms
- Meeting Rooms
- Microwave Surface
- Nursing Homes
- Office buildings
- Oven Surface (room temperature)
- Parks
- Pet Care Facilities
- Pharmaceutical and medical device-producing establishments
- Physical therapy facilities
- Police and fire stations
- Prisons and correctional facilities
- Public restrooms
- Recreational Centers -or- Facilities
- Recreational facilities
- Refrigerator (exterior surfaces)
- Rehabilitation facilities
- Restaurants
- Restrooms -or- Bathroom Areas
- Retail and wholesale establishments
- Schools
- Seafood warehousing and/or fisheries]
- Shelf
- Showers and Shower Curtains
- Ships
- Shops
- Sinks
- Stables
- Storage areas
- Subway, Tram, Metro-line Equipment
- Tables
- Tackle Boxes

- Toilet (Exterior Surfaces)
- Trains
- Transit facilities
- Truck Cabs
- Trucks
- Urinal
- Vanity top

- Vehicles
- Veterinary clinics and animal hospitals
- Vinyl Tile
- Water Drinking fountain
- Wheelchair
- Yachts

Hard, Non-porous Use Sites: Medical/Dental

- Blood, Plasma, Semen, Bone Marrow, Milk, Apheresis Donation Centers
- [Eye] Examination Rooms – or – Areas
- [Eye] Surgical Centers
- Ambulances or Emergency Medical Transport Vehicles
- Ambulatory Surgery Centers
- Anesthesia Rooms or Areas
- Assisted Living or Full Care Nursing or Retirement Homes or Convalescent Centers
- CAT Laboratories Central Service Areas
- Central Supply Rooms or Areas Hoods
- Chiropractic Office Clinics
- Critical Care Units or CCUs
- Dental or Dentist’s Offices
- Dental countertops
- Dental Facilities
- Dental operatory surfaces
- Dentist or dental chairs Hard, non-porous environmental dental surfaces
- Dialysis Clinics
- Emergency Rooms or Examination Rooms
- Examination or Exam Rooms or Areas
- Health Care Settings or Facilities
- High Touch Surfaces
- Home Health Care Settings
- Hospices
- Hospitals
- Intensive Care Units
- Isolation Areas or Rooms
- Laboratories
- Medical Clinics, Medical Facilities Medical or Physician’s Offices
- Neonatal Intensive Care Units [(NICU)] Newborn – or – Neonatal Nurseries
- Nursing or Nurses’ Stations
- Ophthalmic Offices
- Optometry Offices
- Orthopedics
- Outpatient Clinics
- Outpatient Surgical Centers
- Patient Care Areas
- Patient Restrooms
- Patient Rooms
- Pediatric Intensive Care Units
- Pharmacies
- Physical Therapy Rooms or Areas
- Physicians’ Offices
- Medical or Surgical Procedure Rooms
- Radiology or X-Ray Rooms or Areas
- Reception counters or desks or areas
- Recovery Rooms
- Rehabilitation Therapy Facilities
- Surgery Rooms
- Transport Vehicles X-Ray Rooms

Hard, Non-porous Use Sites: Veterinarian

- Coops
- Zoo Facilities
- [Aviaries
- Amphibian Areas
- Animal or Pet Grooming Facilities
- Animal equipment automatic feeders

- Animal Housing Facilities
- Animal Life Science Laboratories
- Aquariums
- Cages External surfaces of veterinary equipment
- Feed Lots
- Fountains
- Hard, non-porous environmental veterinary surfaces
- High Touch Surfaces
- Kennels
- Livestock, Swine, Equine, Poultry Facilities
- Pet Areas, Pens
- Pet Hotels or Motels
- Pet Shops or Stores
- Reception areas
- Small Animal Facilities
- Stalls
- Toys, non-porous
- Troughs
- Veterinary care surfaces
- Veterinary Clinics, Facilities, animal hospitals
- Watering appliances

Hard, Non-porous Use Sites: Athletic Facilities

- Bands
- Benches
- Climbing Walls
- Door Handles
- Elliptical
- Exercise Balls or Medicine Balls
- Exercise Bike
- Exercise Equipment
- Gymnastics Mats
- Helmets
- High Touch Surfaces
- Jump Ropes
- Locker Rooms
- Massage Tables
- Mats
- Personal Storage or Cubbies
- Pool
- Protective Gear
- Pylo Boxes
- Reception counters and desks
- Row Machine (handles and seats)
- Sauna
- Stair Machine
- Steam Room
- Storage Bins
- Treadmill
- Weight Plates
- Wrestling Mats
- Yoga Blocks

Hard, Non-porous Use Sites: School or Childcare Facility

- Baby toys
- Break Rooms
- Chairs
- Children's Play Table and Chairs
- Children's Wading Pool
- Cribs
- Desks
- Diaper or infant changing tables and Diaper pail
- Dining Rooms/Halls
- Drinking Fountains
- Exam Examination Tables
- Garbage and trash cans
- High Touch Surfaces
- Highchair Trays
- Highchairs
- Medical Surfaces
- Nurse office

- Offices and Reception counters and desks
- Patient Care Areas
- Patient Restrooms Patient Rooms
- Pencil boxes
- Personal Storage or Cubbies
- Play Sets
- Playpens
- Playpens and Play Sets
- Potty Chairs
- Recovery Rooms
- Riding Toys
- Sinks
- Stroller handles and Trays
- Student and Patient Areas Rooms
- Tables
- Tiled walls
- Toilet rims
- Toilet seats
- Toys

USE SURFACES

- Sealed Enamel
- Formica
- Glass
- Glazed porcelain
- Glazed tile
- Laminated Surfaces
- Linoleum
- Synthetic Marble
- Vinyl
- Mirrors
- Non-porous plastic
- Polyacrylic
- Polycarbonate
- Sealed stone surface
- Sealed Tile

Before using on metal or unsealed stone surfaces, test in an inconspicuous place for color washout or contact incompatibility.

EMERGING VIRAL PATHOGENS CLAIMS

{Note to Reviewer: These statements for claims against emerging viral pathogens shall not appear on marketed (final print) product labels.}

This product qualifies for emerging viral pathogen claims per the EPA's 'Guidance to Registrants: Process for Making Claims Against Emerging Viral Pathogens not on EPA-Registered Disinfectant Labels' when used in accordance with the appropriate use directions indicated below.

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

- Enveloped Viruses
- Large Non-Enveloped Viruses

For an emerging viral pathogen that is a/an...	...follow the directions for use for the following organisms on the label:
Enveloped Virus	Rhinovirus 16
Large, non-enveloped virus	Rhinovirus 16

Ionopure 1650 has demonstrated effectiveness against viruses similar to [name of emerging virus] on hard, nonporous surfaces. Therefore, ionopure 1650 can be used against [name of emerging virus] when used in accordance with the directions for use against Rhinovirus 16 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]. ionopure 1650 kills similar viruses and therefore can be used against [name of emerging virus] when used in accordance with the directions for use against Rhinovirus 16 on hard, non-porous surfaces. Refer to the [CDC or OIE] website at [website address] for additional information.

MARKETING CLAIMS

- 3 in 1 Formula (cleaner, deodorizer and disinfectant)
- A mild, non-irritating way to clean
- Active ingredient, hypochlorous acid (HOCl), derived from naturally occurring salt minerals and water
- Aids in the reduction of cross-contamination between treated surfaces
- Assures proper strength, product effectiveness and standardizes technique
- Bactericide or Bactericidal; Germicide*; Germicidal*
- Alcohol Free
- Athletic Facility Disinfectant
- Bathroom Disinfectant
- Bleach free
- Broad spectrum disinfectant

- Broad Spectrum Disinfectant + One-Step Cleaner / Disinfectant when Disinfection Directions are followed
- [Eliminates] [removes] Odors
- Non-greasy [formula]
- Cleans and Disinfects Hard, Non-Porous Surfaces
- Cleans quickly
- Cleans, Deodorizes and Disinfects
- Consumer Disinfectant
- Commercial Disinfectant
- Cruise Line Disinfectant
- Deodorizes by Killing Odor-Causing Bacteria
- Disinfectant to go
- Disinfecting formula
- Disinfects [common] hard, non-porous household surfaces
- Disinfects and Cleans
- Disinfects and Deodorizes by Killing Bacteria and their Odors
- Disinfects and deodorizes by killing bacteria and their odors
- Easy and Convenient Disinfecting
- Easy One-Step Cleaning and Disinfecting when Disinfection Directions are followed
- Effective against - or - Kills Organisms mentioned in Microorganism Table
- Effectively Disinfects Hard, Non-Porous, Environmental Surfaces
- Eliminates - or - Reduces Odors caused by Bacteria + Eliminates odors at their source; bacteria + Disinfects Hard Surfaces
- Eliminates – or – Removes [smoke] [urine] [feces] [fish] [foul] [body] odors
- Eliminates – or – Removes food odors
- Eliminates – or – Removes pet odors [like urine – and/or – feces – and/or – vomit – and/or – “wet dog” smell]
- Eliminates odors at their source; bacteria
- Kill[s] - and/or - Effective against *Pseudomonas aeruginosa*
- Kill[s] - and/or - Effective against Rhinovirus
- Kill[s] - and/or - Effective against *Staphylococcus aureus*
- For daily use [disinfection]
- For use in {insert one or more of the Use Sites listed on the label}
- For use in {list any use site[s]} [applications] [environment]
- For use in kennels, litter box, pet areas
- For use on high touch surfaces
- Fragrance free [formula] [will not irritate your [dog’s] [pet’s] nose]
- Freight Disinfectant
- Fresh clean scent
- Hospital Disinfectant
- Hypochlorous Acid [(HOCl)] Solution
- Industrial Disinfectant
- Janitorial [Jan-San] Disinfectant
- Kills – or – Effective against pathogens*
- Kills bacteria
- Kills common household bacteria* – and/or – viruses †
- Kills common bacteria*
- Kills odor-causing bacteria

- Kitchen disinfectant
- Leaves no [sticky] [greasy] [flammable] [harmful] [harsh] [chemical] residual – or – residue [on surfaces] [after evaporation]
- Made in the USA {may include graphic of American flag}
- Multi-Purpose Cleaner, Disinfectant and Deodorizer
- No harsh chemicals, residue, left, behind
- No harsh fumes to irritate [children]
- No harsh fumes to irritate [pet] [dog]
- No mixing required
- No rinse formula
- No rinsing required
- No wiping required
- No worries about pet licking after cleaning
- Non-irritating to the skin
- Non-sticky [formula]
- Nursery Disinfectant
- One-Step Cleaner and Disinfectant (when Disinfection Directions are followed) designed for General Cleaning and Disinfecting Hard, Non-Porous Environmental Surfaces in Health Care Facilities
- Phenol free [formula]
- Public Transportation Disinfectant
- Contains no quaternary ammonium compounds
- Ready-to-use [cruise line] [daycare] [dental] [hospital] [household] [institutional] [residential] [veterinarian] disinfectant
- Ready-to-Use Hospital Disinfectant
- Residential Disinfectant
- Retail Disinfectant
- Rinse free spray, formula
- The simple solution for a clean[er] home
- The smell of clean
- This Product was tested using the AOAC Test Methods
- Use for a [fresh] [home] [environment] [kitchen]
- Use in Public - or - Common Places where Bacteria may be of concern on Hard, Non-Porous Surfaces
- Use in Public - or - Common Places where Bacteria may be of concern on Hard, Non-Porous Surfaces
- Use where Control of the Cross-Contamination between Treated Hard Nonporous Surfaces is of Importance
- Use where Control of the Hazards of Cross-Contamination between Treated Hard Non-Porous Surfaces is of Importance
- Use without gloves
- Veterinarian Disinfectant
- Veterinarian Disinfectant
- Virucide† – or – Virucidal†
- VOC free [formula]
- Worry free use in [kennels] [litter box] [pet areas] [baby rooms] [nurseries]
- Germicide*

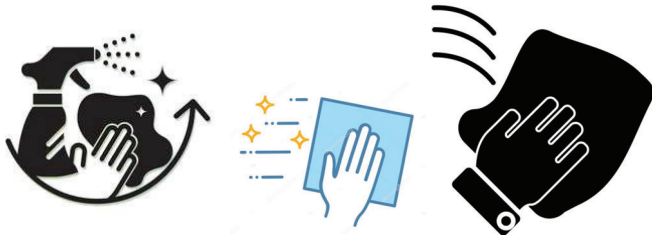
OPTIONAL GRAPHICS

ionopure™
by ionogen®

ionogen®
Clean. Elevated.

ionopure™





STORAGE AND DISPOSAL

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

Storage: Store this product in its original sealed container at room temperature or cool place away from direct sunlight and heat.

Disposal: Pesticide wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. 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 Environment Control Agency, or the Hazardous Waste Representative at the EPA Regional Office for guidance.

Container Handling:

{Use This Language for Pouches}

Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available.

{Use This Language for Spray Bottles}

Refillable container. Refill this container with ionopure 1650 only. Follow refilling instructions provided in the Directions for Use. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean container, rinse thoroughly with water.

WARRANTY

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