

89103-1

08/30/2012

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

EPA Reg. Number:
 89103-1

Date of Issuance:
 AUG 30 2012

Term of Issuance:
 Unconditional

Name of Pesticide Product:
 ClorActive

NOTICE OF PESTICIDE:
 Registration
 Reregistration

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Michael Lumetta
 ClorActive LLC
 1362 Heights Rd
 Lake Orion, MI 48362

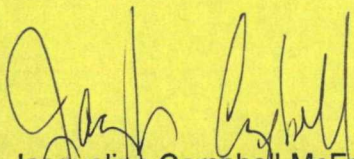
Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

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 (OPP Decision No. D-464986) is registered in accordance with FIFRA sec 3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for re-registration of your product under FIFRA section 4.
2. Make the labeling changes listed below before you release the product for shipment:
 - a. Revise the EPA File Symbol to read "EPA Reg. No. 89103-1"

Signature of Approving Official:


 Jacqueline Campbell-McFarlane
 Product Manager Team (34)
 Regulatory Management Branch II
 Antimicrobials Division (7510P)

Date:

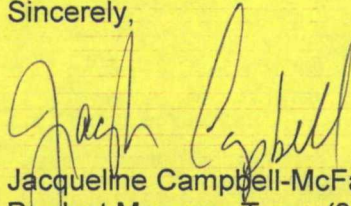
AUG 30 2012

3. Submit three (3) copies of your final printed labeling before distributing or selling the product bearing the revised labeling.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 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. Should you have any questions regarding this letter, please contact Eliza Blair either by phone at (703) 308-7279 or email at blair.eliza@epa.gov.

Sincerely,



Jacqueline Campbell-McFarlane
Product Manager Team (34)
Regulatory Management Branch II
Antimicrobials Division (7510P)

Enclosures: (Stamped Label)

ClorActive

Aqueous Solution of Sodium Chloride

ClorActive solutions:

- are disinfecting solutions,
- are cost effective solutions to produce,
- are produced in a single stage process by a simple electrolytic cell,
- can be produced for use in medical, institutional, industrial and commercial applications,
- can be produced with a controlled pH and concentration of Free Available Chlorine (FAC),
- are produced with low energy costs from water and salt

ACTIVE INGREDIENT:

Hypochlorous Acid

0.046%

OTHER INGREDIENTS:

99.954%

TOTAL:

100.000%

Contains 500 ppm Free Available Chlorine (FAC)

**KEEP OUT OF REACH OF CHILDREN
CAUTION
See Back Panel for Precautionary Statements**

**Manufactured by:
ClorActive LLC
1362 Heights RD
Lake Orion, MI
Phone: 248-693-8123**

ACCEPTED
AUG 30 2012

Under the Federal Insecticide, Fungicide, and Rodenticide, Act as amended, for the pesticide, registered under EPA Reg. No. 89103-1

EPA Reg# 89103-1

EPA Est# 89103-MI-1

ClorActive may be used for up to 30 days after being produced. **DATE PRODUCED:** _____

ClorActive is an activated aqueous solution of sodium chloride produced by passing weak salt brine through an electrolytic cell and temporarily changing the properties of the salt water into a powerful oxidizing agent exhibiting highly effective antimicrobial properties. **ClorActive** is produced at a near neutral 6.5 pH where the predominant antimicrobial agent is hypochlorous acid, an efficient and efficacious specie of chlorine. Hypochlorous acid kills bacteria. The properties of **ClorActive** can be precisely controlled by manipulating power to the electrolytic cell, brine flow rate through the cell and the conductivity of the brine in the cell. ClorActive can be applied as a liquid or spray.

ClorActive freezes at 32° F and boils at 212° F. ClorActive is a colorless, aqueous solution, with a slight chlorine or ozone odor. After production, **ClorActive** should be stored in a closed, plastic container in a cool, dark area away from direct sunlight. ClorActive is intended to be used soon after being produced. The ClorActive product must be used within 30 days of production.

DIRECTIONS FOR USE

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

Oil and Gas Applications

Frac Water – For typical water treatment, mix 5 US gallons of ClorActive with 995 US gallons of frac water to 2.5 ppm FAC to mitigate and retard the growth of non-public health microorganisms such as anaerobic bacteria, aerobic bacteria and sulfate reducing bacteria to protect fracturing fluids, polymers and gels.

Sour Wells - For typical well treatment, slug dose 168 US gallons at 500 ppm FAC of ClorActive into the well bore on a daily or weekly basis to control unwanted non-public health microorganisms, reduce hydrogen sulfide gas and restore well integrity.

Produced Waters - For typical produced water treatment, mix 21 US gallons of ClorActive with 979 US gallons of produced water to 10.5 ppm FAC to retard the growth of non-public health microorganisms.

Heater Treaters, Hydrocarbon Storage Facilities & Gas Storage Wells – For typical storage facility treatment, mix 126 US gallons of ClorActive at 500 ppm FAC into the water phase of the mixed hydrocarbon/water system to retard the growth of non-public health microorganisms, control the formation of hydrogen sulfide and reduce corrosion of the storage tanks.

Water Flood Injection Water - For typical water flood injection water treatment, mix 21 US gallons of ClorActive with 979 US gallons of injection water to 10.5 ppm FAC to retard the growth of nonpublic health microorganisms and control slime in pipelines.

Oil and Gas Transmission Lines - For typical transmission line treatment, slug dose 420 US gallons at 500ppm FAC of ClorActive into the transmission line on a daily or weekly basis to control unwanted non-public health microorganisms, such as SRB's, reduce microbiologically influenced corrosion (MIC) and remove the slime and associated sessile bacteria which can degrade pipeline integrity.

Disinfection Applications

Hard, Non-Porous Surface Disinfection

To [Clean and] Disinfect [and Deodorize] Hard, Non-Porous Surfaces: For heavily soiled areas, a preliminary cleaning is required. Apply [*Wipe, Spray or Dip*] the ClorActive at 500 ppm FAC to hard, non-porous surfaces with a cloth, wipe, mop or sponge. Treated surfaces must remain wet for 10 minutes. Allow surfaces to air dry. Food contact surfaces such as counters and tables must be rinsed with potable water. Do not use on utensils, glasses, or dishes.

Salmonella enterica ATCC 10708	10 minutes
Pseudomonas aeruginosa ATCC 15442	10 minutes
Staphylococcus aureus ATCC 6538	10 minutes

Claims

- Broad spectrum disinfectant
- One step cleaner/disinfectant
- Aids in the reduction of cross-contamination between treated surfaces
- Assures proper strength, product effectiveness and standardizes technique
- Formulated for bacteria fighting
- Bactericide – or – Bactericidal
- Bathroom disinfectant
- Kitchen disinfectant
- Nursery disinfectant
- Athletic facility disinfectant
- Cleans and disinfects (insert use site(s) from table 1-5)
- Cleans and disinfects hard, non-porous surfaces
- Cleans, deodorizes and disinfects
- Deodorizes by killing the germs that cause odors
- Disinfecting formula
- Disinfects and deodorizes by killing germs and their odors
- Disinfects hard, non-porous surfaces (throughout the (insert use site(s) from table 1-5)
- Easy and convenient disinfecting (throughout the (insert the use site(s) from table 1-5)
- Easy one-step cleaning and disinfecting
- Effective against – or – Kills (insert any organism(s) from table above)
- Effective against – or – Kills a wide range of bacteria including Staphylococcus aureus, Salmonella enterica, Pseudomonas aeruginosa
- Effectively disinfects hard, non-porous, environmental surfaces
- Eliminates odors at their source; bacteria
- Eliminates - or – Reduces odors caused bacteria
- Fight(s) – and/or - Kill(s) – and/or – Effective against Salmonella enterica
- Fight(s) – and/or - Kill(s) – and/or – Effective against Staphylococcus aureus
- Fight(s) – and/or - Kill(s) – and/or – Effective against Pseudomonas aeruginosa
- Fight(s) – and/or – Stops – and/or – Prevent(s) cross-contamination between treated hard, non-porous surfaces
- Kills bacteria
- Kills many common bacteria
- Kills odor-causing bacteria
- Kills – or – Effective against bacteria
- Multi-purpose disinfectant
- One-step cleaner and disinfectant
- One-step disinfectant cleaner designed for general cleaning and disinfecting hard, non-Porous environmental surfaces in health care facilities – or – (insert use site(s) from table 1)
- Pseudomonocidal

- Ready-to-use hospital disinfectant
- Staphylocidal
- The answer to your disinfecting needs
- The quick – and/or – easy – and/or – convenient way to disinfect
- This product controls cross-contamination between treated hard, non-porous surfaces
- This product meets AOAC efficacy testing requirements – or – standards for hospital disinfection
- Use in public – or – common places where bacteria may be of concern on hard, non-porous surfaces
- Use where control of the hazards of cross-contamination between treated surfaces is of Prime importance

General Claims

- Convenient
- For general use
- For use on nursery surfaces
- Suitable for hospital use
- Easy to handle
- For use on bathroom surfaces
- For use in athletic facilities
- For use on athletic equipment
- Will not harm (insert surface material(s) from table 5)
- Will not harm hard non-porous inanimate environmental surfaces
- Will not harm titanium-coated, medical grade stainless steel

TABLE ONE: Medical

Use Sites:

- Ambulances – or – Emergency Medical Transport Vehicles
- Anesthesia Rooms – or – Areas
- Assisted Living – or – Full Care Nursing Homes
- CAT Laboratories
- Central Service Areas
- Central Supply Rooms – or – Areas
- Critical Care Units – or – CCUs
- Dialysis Clinics
- Emergency Rooms – or – ERs
- Health Care Settings – or Facilities
- Home Health Care Settings
- Hospitals
- Hospital Kitchens
- Intensive Care Units – or – ICUs
- Laboratories
- Medical Clinics
- Medical Facilities
- Medical – or – Physician’s – or - Doctor’s Offices
- Newborn – or – Neonatal Nurseries
- Nursing – or – Nurses’ Stations
- Orthopedics
- Outpatient Clinics
- Patient Restrooms
- Patient Rooms
- Pediatric Examination Rooms – or – Areas
- Pharmacies

Physical Therapy Rooms – or – Areas
Radiology – or – X-Ray Rooms – or – Areas
Surgery Rooms – or – Operating Rooms – or – ORs

Surfaces:

bed pans
exam – or - examination tables
external surfaces of medical equipment – or – medical
equipment surfaces
external surfaces of ultrasound transducers
gurneys
hard, non-porous environmental hospital – or – medical
surfaces
hospital – or – patient bed railings – or – linings – or -
frames
IV poles
Patient chairs
Plastic mattress covers
Reception counters – or – desks – or – areas
Stretchers
Wash basins
Wheelchairs

TABLE TWO: Dental

Use Sites:

Dental Operatories
Dental – or – Dentist’s Offices

Surfaces:

Dental countertops
Dental operatory surfaces
Dentist – or – dental chairs
Hard, non-porous environmental dental surfaces
Light lens covers
Reception counters – or – desks – or – areas

TABLE THREE: Veterinary

Use Sites:

Animal Housing Facilities
Animal Life Science Laboratories
Animal – or – Pet Grooming Facilities
Kennels
Livestock – and/or – Swine – and/or – Poultry Facilities
Pet Areas
Pet Shops – or – Stores
Small Animal Facilities

Veterinary Clinics – or – Facilities
 Veterinary Offices
 Veterinary – or – Animal Hospitals

Surfaces:

Animal equipment automatic feeders
 Cages
 External surfaces of veterinary equipment
 Feed racks
 Fountains
 Hard, non-porous environmental veterinary surfaces
 Pens
 Reception counters – or – desks – or – areas
 Stalls
 Troughs
 Veterinary care surfaces

Animal Premises: Remove all animals and feed from premises, vehicles and enclosures. Remove all litter, droppings and manure from floors, walls, and surfaces of barns, pens, stalls, chutes and other facilities and fixtures occupied or traversed by animals. Empty all troughs, racks and other feeding and watering appliances. Thoroughly clean all surfaces with soap and/or detergent and rinse with water. Apply ClorActive at 500 ppm FAC. Saturate surfaces with solution for 10 minutes. Immerse all halters, ropes and other types of equipment used in handling and restraining animals, as well as forks, shovels and scrapers used for removing litter and manure. After application, ventilate buildings, coops and other closed spaces. Do not house animals or employ equipment until treatment has been absorbed, set or dried. Thoroughly scrub all treated feed racks, mangers, troughs, automatic feeders, fountains and waterers with soap or detergent, and rinse with potable water before reuse.

TABLE FOUR: Food Service

Use Sites (Food contact surfaces must be rinsed with potable water after application of disinfectant):

Bars
 Cafeterias
 Commercial – or – Institutional Kitchens
 Delis
 Fast Food Chains – or – Restaurants
 Food Preparation and Processing Areas
 Food Processing and Fabrication Areas
 Food Service – or – Processing Establishments
 Food Serving Areas
 Other Food Service Establishments
 Restaurants
 School Kitchens

Surfaces (Food contact surfaces must be rinsed with potable water after application of disinfectant):

Surfaces where disinfection is required
 Exterior surfaces of Appliances
 Exterior surfaces of Dish racks
 Drain boards
 Exterior surfaces of Food cases
 Exterior surfaces of Food trays

- Exterior surfaces of Freezers
- Hoods
- Exterior surfaces of Microwaves
- Outdoor furniture (excluding wood frames and upholstery)
- Exterior surfaces of Ovens
- Exterior surfaces of Refrigerators
- Salad bar sneeze guards
- Exterior surfaces of Stoves – or – stovetops

Food Processing and Service Establishments: Before using this product, food products and packaging materials must be removed from the area or carefully protected.

TABLE FIVE: Miscellaneous/General

Use Sites:

- Airplanes
- Blood Banks
- Boats
- Bowling Alleys
- Butcher Shops
- Chillers
- Churches
- Colleges
- Correctional Facilities
- Cruise Lines
- Day Care Centers
- Dormitories
- Factories
- Funeral Homes
- Grocery Stores
- Gymnasiums – or – Gyms
- Health Club Facilities
- Hotels
- Industrial Facilities
- Laundromats
- Laundry Rooms
- Locker Rooms
- Manufacturing Plants – or – Facilities

- Military Installations
- Motels
- Pipelines associated with gas and oil production
- Preschool Facilities
- Public Areas
- Recreational Centers – or – Facilities
- Restrooms – or – Restroom Areas
- School Buses
- Schools
- Shelters
- Shower Rooms
- Storage Rooms – or – Areas
- Supermarkets

Trains
Universities
Wineries
Yachts

Surfaces:

Bathroom fixtures
Bath tubs
Behind and under counters
Behind and under sinks
Booster chairs
Cabinets
Ceilings
Cell(ular) – or – wireless – or – mobile – or – digital
phones
Chairs
Computer keyboards
Computer monitors
Counters – or – countertops
Cribs
Desks
Diaper – or – infant changing tables
Diaper pails
Dictating equipment surfaces
Doorknobs
Exterior – or – external toilet surfaces
Exterior – or – external urinal surfaces
Faucets
Floors
Garbage – or – trash cans
Grocery store – or – supermarket carts
Hampers
Hand railings
Headsets
Highchairs
Lamps
Linoleum
Other telecommunications equipment surfaces
Playpens
Shelves
Showers – or – shower stalls
Sinks
Stall doors
Tables
Telephones
Tiled walls
Toilet rims
Toilet seats
Towel dispensers
Toys
Vanity tops – or – vanities

Surface Materials:

- Baked enamel
- Chrome
- Common hard, non-porous household –or– environmental surfaces
- Formica
- Glass
- Glazed ceramic tile
- Glazed porcelain
- Glazed porcelain enamel
- Laminated surfaces
- Plastic laminate
- Stainless steel
- Synthetic marble
- Vinyl tile
- Similar hard, non-porous surfaces except those excluded by the label

Not Recommended For Use On:

- Aluminum
- Brass
- Chipped enamel
- Clear plastic
- Clothes
- Copper
- Fabrics
- Gold
- Natural marble
- Painted surfaces
- Paper surfaces
- Natural rubber
- Sealed granite
- Silver
- Unfinished wood
- Wood

STORAGE AND DISPOSAL

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

Storage

Store in a closed dark plastic container away from direct sunlight. Store container in a cool dry area.

Disposal

To clean the container before final disposal empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Dispose of rinsate as pesticide waste. Repeat this rinsing procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities.

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.

If in eyes:

- Hold eye open and rinse slowly and gently with water for 15-20 minutes.
- Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION

Causes eye irritation. Avoid contact with eyes.