

# EcaFlo<sup>®</sup> Anolyte

## Aqueous Solution of Sodium Chloride

EcaFlo<sup>®</sup> 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

<b>ACTIVE INGREDIENT:</b>	
Hypochlorous Acid	0.046%
<b>OTHER INGREDIENTS:</b>	<u>99.954%</u>
<b>TOTAL:</b>	100.000%

*Contains 500 ppm Free Available Chlorine (FAC)*

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

Manufactured by:  
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EPA Est# 83241-SC-1

EcaFlo Anolyte may be used for up to 30 days after being produced. **DATE PRODUCED:** \_\_\_\_\_

**EcaFlo® Anolyte** 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. **EcaFlo® Anolyte** 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 **EcaFlo® Anolyte** 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. Anolyte can be applied as a liquid or spray.

**EcaFlo® Anolyte** freezes at 32° F and boils at 212° F. Anolyte is a colorless, aqueous solution, with a slight chlorine or ozone odor. After production, **EcaFlo® Anolyte** should be stored in a closed, plastic container in a cool, dark area away from direct sunlight. Anolyte is intended to be used soon after being produced. The Anolyte 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 EcaFlo® Anolyte 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 EcaFlo® Anolyte 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 EcaFlo® Anolyte 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 EcaFlo® Anolyte 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 EcaFlo® Anolyte with 979 US gallons of injection water to 10.5 ppm FAC to retard the growth of non-public health microorganisms and control slime in pipelines.

**Oil and Gas Transmission Lines** - For typical transmission line treatment, slug dose 420 US gallons at 500 ppm FAC of EcaFlo® Anolyte 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 EcaFlo® Anolyte 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.

Pathogen	Contact Time
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 on hard, non-porous surfaces (in your (list any use site)
- 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 on most 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
- Will not harm (insert surface material(s) from table 5)
- Will not harm hard non-porous inanimate environmental surfaces
- Will not titanium-coated, medical grade stainless steel
- Easy to handle
- For use on bathroom surfaces
- For use in athletic facilities
- For use on athletic equipment

**TABLE ONE: Medical**

Use Sites	Surfaces
Ambulances – or – Emergency Medical Transport Vehicles	bed pans
Anesthesia Rooms – or – Areas	exam – or - examination tables
Assisted Living – or – Full Care Nursing Homes	external surfaces of medical equipment – or – medical equipment surfaces
CAT Laboratories	external surfaces of ultrasound transducers
Central Service Areas	gurneys
Central Supply Rooms – or – Areas	hard, non-porous environmental hospital – or – medical surfaces
Critical Care Units – or – CCUs	hospital – or – patient bed railings – or – linings – or - frames
Dialysis Clinics	IV poles
Emergency Rooms – or – ERs	Patient chairs
Health Care Settings – or Facilities	Plastic mattress covers
Home Health Care Settings	Reception counters – or – desks – or – areas
Hospitals	Stretchers
Hospital Kitchens	Wash basins
Intensive Care Units – or – ICUs	Wheelchairs
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	
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**TABLE TWO: Dental**

Use Sites	Surfaces
Dental Operatories Dental – or – Dentist’s Offices	Dental countertops Dental operator 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	Surfaces
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	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 Watering appliances

**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 EcaFlo® Anolyte 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 <i>(Food contact surfaces must be rinsed with clean, potable water)</i>	Surfaces <i>(Food contact surfaces must be rinsed with clean, potable water)</i>
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 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	Surfaces
Airplanes Blood Banks Boats Bowling Alleys Butcher Shops Chillers Churches Colleges Cooling Towers Correctional Facilities Cruise Lines Day Care Centers Dormitories Factories Funeral Homes Grocery Stores Gymsnasiums – or – Gyms Health Club Facilities Hotels Industrial Facilities Laundromats Laundry Rooms Lazy Rivers Locker Rooms Manufacturing Plants – or – Facilities	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

**TABLE FIVE: Miscellaneous/General**  
(continued)

Use Sites	Surfaces
Military Installations Motels Pipelines Preschool Facilities Non-Food Produce Areas 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	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	Not Recommended For Use On (or avoid contact with)
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	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

Triple rinse container, then offer for recycling, refilling or reconditioning. Empty container may be reused. Place in trash or offer for recycling if available.

## 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.