**Sanitizer and Disinfectant**

Acid Liquid Sanitizer for Food Processing Equipment in Dairies, Dairy Farms, Breweries, Wineries, Beverage and Food Processing Plants
Disinfectant for Farms, Livestock Quarters, Poultry Premises, Poultry Hatcheries, Veterinary Clinics, Animal Life Science Laboratories, Animal Care Facilities and Industrial Facilities

This product has demonstrated effectiveness against Influenza A virus and is expected to inactivate all Influenza A viruses including Pandemic 2009 H1N1 Influenza A virus.

**ACTIVE INGREDIENTS:**
- Hydrogen Peroxide ................................................................................................................................... 7.52%
- Peroxyoctanoic Acid................................................................................................................................. 2.85%
- Octanoic Acid .......................................................................................................................................... 2.85%
- Other Ingredients: ................................................................................................................................ 1.00%

**TOTAL:** ..................................................................................................................................................100.00%

**KEEP OUT OF REACH OF CHILDREN**

**DANGER**

**PRECAUTIONARY STATEMENTS**

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**DANGER**
- **CORROSIVE:** Causes irreversible eye damage and skin burns. Harmful if swallowed. Do not get in eyes, on skin or on clothing. Wear protective eyewear (goggles, face shield or safety glasses), coveralls worn over long-sleeved shirt and long pants, socks, chemical-resistant gloves, and chemical resistant footwear. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco. Remove contaminated clothing and wash clothing before reuse. Prolonged or frequently repeated skin contact may cause an allergic reaction in some individuals.

**STORAGE & DISPOSAL**

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

**PESTICIDE STORAGE:** Product should be kept cool and in a vented container to avoid any explosion hazard.

**PESTICIDE DISPOSAL:** Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinse 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 Protection Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

**CONTAINER DISPOSAL:** Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. To clean the container before final disposal, empty the remaining contents from this container into application equipment or a mix tank. Fill the container about 10 percent full with water. Agitate vigorously for 2 minutes. Pour or pump rinsate into application equipment or rinse collection system. Repeat this rinsing procedure two more times. Offer for recycling, if available, or puncture and dispose of in a sanitary landfill or by incineration.

**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 eye. 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 do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

**IF ON SKIN OR CLOTHING:** 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 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 for treatment advice.

**FOR EMERGENCY MEDICAL INFORMATION WORLDWIDE, CALL: 1-651-222-5352 (IN THE USA).**

**NOTE TO PHYSICIAN:** Probable mucosal damage may contraindicate the use of gastric lavage.

**PHYSICAL AND CHEMICAL HAZARDS:** Strong oxidizing agent. Corrosive. Do not use in concentrated form. Mix only with water according to label instructions. Never bring concentrate in contact with other sanitizers, cleaners or organic substances. This product is not to be used around electrical equipment.

**ENVIRONMENTAL HAZARDS:** This pesticide is toxic to birds, fish, and aquatic invertebrates. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

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**EPA Reg. No. 1677-209**

EPA Est. 1677-MN-1 (P), 61056-L-1 (S), 1677-CA-2 (P), 1677-TX-1 (P), 1677-L-2 (P), 1677-GA-1 (M), 1677-CA-1 (S), 1677-WV-1 (O).

Superscript refers to first letter of date code.
**DIRECTIONS FOR USE**

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

**SANITIZING OCTAVE FS acid sanitizer is recommended for use on pre-cleaned surfaces such as equipment, pipelines, tanks, vats, filters, evaporators, pasteurizers and asptic equipment in dairy, farms, breweries, wineries, beverage and food processing plants. This product is effective as a sanitizer when solution in water of up to 500 ppm hardness as CaCO3.

**NOTE:** FOR MECHANICAL SANITIZING PROFESSIONALS, proper pre-cleaning of the surface may not be necessary for sanitation but may be necessary for other purposes such as cleaning.

**FOR MANUAL OPERATIONS, fresh sanitizing solution should be prepared at least daily or more often if the solution becomes visibly contaminated.

**SANITIZING FOOD CONTACT SURFACES**

Prior to sanitizing, remove gross food particles, and then wash with a detergent solution, followed by a potable water rinse. Sanitize with a concentration of 1 oz./Octave FS concentrate per 6 to 8 gallons of water (0.1% - 0.13% v/v concentration). At this dilution Octave FS is an effective food contact surface sanitizer against the following organisms: Staphylococcus aureus, Listeria monocytogenes, Salmonella typhimurium, Enterobacter aerogenes, Listeria monocytogenes, Salmonella typhimurium, Enterobacter sakazakii, Campylobacter jejuni and Candida albicans. At the same dilution, Octave FS is also effective for sanitization against the common spoilage organisms Pediococcus damnosus, Lacticobacterii malfermentans and Geotrichum candidum. Use immersion, coarse spray or circulation techniques as appropriate to the equipment. All surfaces should be exposed to the sanitizing solution for a period of not less than one minute unless a longer time is specified by the governing sanitary code. Drain thoroughly and allow to air dry. Do not rinse.

**FOAM SANITIZING FOOD CONTACT SURFACES**

Octave FS is an effective foam sanitizer of pre-cleaned food contact surfaces. Foam sanitize with a concentration of 1 oz. Octave FS concentrate per 6 to 8 gallons of water (0.1% - 0.13% v/v concentration). At this dilution Octave FS is an effective food contact surface sanitizer against the following organisms: Staphylococcus aureus, Escherichia coli, Escherichia coli 0157: H7, Listeria monocytogenes, Salmonella typhimurium, and Enterobacter sakazakii. At this dilution Octave FS is also effective for foam sanitation against the common spoilage organisms Pediococcus damnosus and Lacticobacterii malfermentans. Use an appropriate foam generator. At this dilution, foaming should be performed to generate a foam sheet approximately 0.5 to 2 inches thick made from a solution of 1 oz of Octave FS per 2 gallons of water (0.39% - 0.78% v/v concentration). The foam (or spray) should cover the entire path of the doorway. Set the system so that a continuous wet blanket of sanitizer solution is delivered to the floor.

**SANITIZING NON-FOOD CONTACT SURFACES**

To prevent tracking into animal areas and the packaging and storage areas of food plants, shoe baths containing one inch of freshly made solution should be placed at all entrances to buildings and facilities. Scrub water shoes after each use. Change the solution daily. Cornmeal can be used as an economical foamer. Cornmeal has the advantage of being chemically inert and easily removed from the floor. For use in facilities where no foaming is available, Octave FS disinfectant may be used to sanitize hard surfaces as an adjunct to acceptable manual cleaning and disinfecting of room surfaces. To prevent fogging, food products and packaging materials must be removed from the room or carefully protected. Fog desired areas using a solution of 3 oz./Octave FS concentrate per 2 gallons of water (0.78% v/v concentration). Apply fogging solution as a dense fog until the fog is absorbed, set or dried. Several solutions may be used in conjunction with each other at the recommended concentration. Contact your Ecolab representative for information on a recommended fogger.

**FOAM DISINFECTION**

Octave FS can be used as an effective foam disinfectant and cleaner on hard, non-porous surfaces, such as floors, walls, doors, associated equipment. For this application, a solution of 1 to 2 oz. Octave FS concentrate per 2 gallons of water (0.39% - 0.78% v/v concentration) should be sprayed onto the surface to be treated and allowed to remain wet for at least 10 minutes. No rinse is necessary. Contact your Ecolab representative for information on a recommended fogger.

**VIRUCIDAL**

Octave FS is an effective virucide at a concentration of 1 - 2 oz per 2 gallons (0.39% - 0.78% v/v concentration) of hard water (500 ppm CaCO3), in the presence of 5% blood serum. At this concentration, the product is effective against the following: Staphylococcus aureus, Salmonella enterica, and Pseudomonas aeruginosa. Surfaces should be exposed to the disinfecting foam for a period of not less than 10 minutes. No rinse is necessary. Contact your Ecolab representative for information on a recommended foamer.

**DISSOLUTION OF Poultry PREMISES, TRUCKS, COOPS AND CRATES**

1. Remove all poultry and feed from premises, trucks, coops and crates.
2. Remove all litter and droppings from floors, walls and surfaces of facilities occupied or traversed by poultry.
3. Empty all troughs, racks and other feeding and watering appliances.
4. Thoroughly clean all surfaces with a detergent and rinse with water.
5. Saturate sorfaces with a detergent and rinse with water.
6. Ventilate buildings, coops and other closed spaces. Do not house poultry or employ equipment until treatment has been absorbed, set or dried.
7. Thoroughly scrub boots, shoes, utensils, waste and other feeding and watering equipment. At the same dilution, foaming should be performed to generate a foam sheet approximately 0.5 to 2 inches thick made from a solution of 1 oz of Octave FS per 2 gallons of water (0.39% - 0.78% v/v concentration) solution of Octave FS with a mop, cloth, foam or coarse spray. Wet all surfaces and allow to remain wet for 10 minutes. Ventilate buildings and other closed spaces (Octave FS foam disinfectant may be used to sanitize hard surfaces as an adjunct to acceptable manual cleaning and disinfecting of room surfaces).

**POLLUTRY HATCHERY DISINFECTION**

1. Remove all poultry and feed from premises, trucks, coops and crates.
2. Remove all litter and droppings from floors, walls and surfaces of facilities occupied or traversed by poultry.
3. Empty all troughs, racks and other feeding and watering appliances.
4. Thoroughly clean all surfaces with a detergent and rinse with water.
5. Saturate sorfaces with a detergent and rinse with water.
6. Ventilate buildings, coops and other closed spaces. Do not house poultry or employ equipment until treatment has been absorbed, set or dried.

**DISINFECTION AND DEODORIZING OF ANIMAL HOUSING FACILITIES (BARNS, KENNELS, HITCHES)**

Remove animals and feed from facilities. Remove litter, waste and other gross soils from walls, floors and surfaces of facilities occupied or traversed by animals. Empty all troughs, rakes and other feeding and watering equipment. Wash surfaces with a recommended alkaline detergent, by mopping, Conveyors, mops, brooms, dusters, brushes, scrubbers, foaming nozzles and other suitable dispensing equipment. At this concentration, the product is effective against the following: Staphylococcus aureus, Salmonella enterica, and Pseudomonas aeruginosa. Surfaces should be exposed to the disinfecting foam for a period of not less than 10 minutes. No rinse is necessary. Contact your Ecolab representative for information on a recommended foamer.

**FARM PREMISE DISINFECTION DIRECTIONS:**

1. Remove all animals and feed from premises, vehicles, and enclosures.
2. Remove all litter, droppings and manure from floors, walls and surfaces of facilities occupied or traversed by animals.
3. Empty all troughs, rakes and other feeding and watering appliances.
4. Thoroughly clean all surfaces with a detergent and rinse with water.
5. Saturate sorfaces with a detergent and rinse with water.
6. Ventilate buildings and other closed spaces. Do not house animals or employ equipment until treatment has been absorbed, set or dried.
7. Thoroughly scrub all treated feed racks, mangers, troughs, automatic feeders, fountains and waterers with soap or detergent, and rinse with potable water before reuse.

**SCHEMATIC DIAGRAM**

![Schematic Diagram](image-url)