PER-OX EXTREME

For Industrial and Agricultural Use Only

KEEP OUT OF REACH OF CHILDREN

DANGER: Corrosive. Causes eye and skin damage. Harmful if swallowed. Do not get in eyes, on skin or on clothing. Wear goggles or face shield and rubber gloves, long sleeves, and long pants when handling. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Do not breathe vapor or spray mist. Do not enter an enclosed area without proper respiratory protection.

Physical or Chemical Hazards: Strong oxidizing agent. Mix only with water. Not combustible but at temperaturers exceeding 150°F, decomposition occurs releasing oxygen. The oxygen released could initiate or promote combustion of other materials.

Environmental Hazards: This pesticide is toxic to birds, mammals, 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 the permitting authority has been notified in advance of the discharge. Other chemicals should be added separately. Contamination with other chemicals could result in product incompatibility, decomposition, or loss of effectiveness.

Any solution released from the system should be diluted with water and tested for residuals to ensure that there is less than 3 ppm peroxide remaining.

PERSONAL PROTECTIVE EQUIPMENT

Wear a respirator suitable for the uninstalled product, together with chemical protective clothing, rubber gloves, and eyewear. Use gloves resistant to friction type materials like rubber, neoprene, amines and alkalis. Use water resistant garments, gloves, and chemical protective eyewear. Replacement of chemical protective clothing and eyewear is necessary when the garment or eyewear becomes wet, soiled, or damaged.

USER SAFETY RECOMMENDATIONS

Do not eat, drink, or smoke while using this product. Wash thoroughly with soap and water after handling this product. Wash the outside of the gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

Storage and Disposal

Do Not Contaminate Water, Food, or Feed by Storage or Disposal.

Pesticide Storage

PER-OX EXTREME TO THE ORIGINAL CONTAINER AFTER IT HAS BEEN REMOVED. Avoid all contaminants, especially dirt, dust, reducing agents, and metals. The storage, transportation, and application of pesticides and other materials may be hazardous. Keep out of reach of children.

Disposal

If material has been spilled, an acceptable method of disposal is to dilute with at least 20 volumes of water followed by discharge into suitable treatment system in accordance with local, state and federal environmental laws, rules, regulations, standards, and other requirements. Because acceptable methods of disposal may vary by location, regulatory agencies should be contacted prior to disposal.

Precautions to be observed are the possible health hazards from contact with the material and the possible hazards from the use of such equipment as pumps, filters, and pipelines. The product is to be discarded as hazardous waste after contacting the appropriate local, state, or Federal agency to determine proper procedures.

Container Disposal

Nonrefillable containers greater than or equal to five gallons. Nonrefillable container. Do not reuse or refill container. Offer for recycling, if available. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Empty drums are not returnable to the original producer. Follow the procedure two weeks after the last use. Empty drums are not returnable to the original producer. Follow the procedure two weeks after the last use.

Directions For Use

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

Control of Slime Forming Bacteria in Recirculating Cooling Water Systems (Cooling Towers, Evaporative Condensers) and Non-Food Contact Water Systems (Pulp and Paper Mill Water Systems)

For use in treating raw (make-up) and process waters, closed and open loop systems such as heat exchangers, wet scrubbers, cooling towers, evaporative condensers and recirculating industrial process water, such as pulp and paper mill water systems.

1. Severely fouled systems should be cleaned before adding the product solution. Refer to the system operation manual for directions to clean severely fouled systems. The product should be added directly to the system and not mixed with any chemicals or acids. Excessively soluble chemicals should be added separately. Excessively soluble chemicals should be added separately. Contamination with other chemicals could result in product incompatibility, decomposition, or loss of effectiveness.

2. Add the product solution at a point in the system where uniform mixing and even distribution will occur.

3. Adjust feed rates: When the system is noticeably fouled, apply 0.8-1.2 lb (10 to 16 fluid ounces) per 1000 gallons of water in the system. When microbial control is evident, add 1.0 lb (14 fluid ounces) of the solution per 1000 gallons of water in the system every day, or as needed, to maintain control. The daily dose rate should vary depending upon the severity of the biofouling.

4. Continuous feed method: Initial dose - When the system is just noticeably fouled, apply 0.8 to 1.2 lb (10 to 16 fluid ounces) per 1000 gallons of water in the system. When microbial control is achieved, start adding continuously at a rate of 1.0 lb (14 fluid ounces) per 1000 gallons of water (provides 1 ppm peroxycetic acid). Reduce the rate of addition to a level sufficient to maintain control. The dose rate may have to be adjusted to account for losses due to blowdown and overdosing. Add 1.4 fluid ounces of product for every 100 gallons of make-up water.

Food Processing Equipment

The product may be used to achieve commercial sterility of non-poisonous food manufacturing, packaging and filling equipment. May be used on manufacturing, filling (including rotary filters), and packaging equipment.

1. Remove gross soil particles from equipment surfaces.

2. Clean surfaces thoroughly.

3. Rinse thoroughly with potable water.

4. Apply a solution containing 4000 ppm (0.4%) peroxycetic acid at a minimum temperature of 85°C.

5. Use immersion, spray or circulation techniques to apply. Automated application by fine mist or vapor deposition may be used within enclosed spaces.

6. Allow contact time of at least 20 seconds.

7. Allow to drain dry.

8. A final rinse with sterile water is optional.

This product may be used on equipment used in aseptic packaging as an antimicrobial rinse in food processing operation that has a scheduled process acceptance test. The use of this food processing equipment must comply with all applicable FDA regulations, including but not limited to 21 CFR parts 108, 110, 113, and/or 114. Use of an aseptic food processing operation includes testing required for the process validation.

Sanitizing of Hard, Non-porous Food Contact Surfaces

For use in circulation cleaning and institutional/industrial sanitizing of previously cleaned, hard, non-poisonous food contact surfaces such as food preparation surfaces, pipelines, tanks, vats, filters, evaporators, pasteurizers, and aseptic equipment surfaces.

1. Dairies, Wineries, Breweries and Beverage Plants

2. Meat and Poultry Processing / Packaging Plants

3. Milk and Dairy Products Processing / Packaging Plants

4. Seafood and Produce Processing / Packaging Plants

5. Food Processing / Packaging Plants

6. Egg Processing / Packaging Equipment Surfaces

7. Eating Establishments

8. Final Sanitizing Bottle Rinse

PER-OX EXTREME is an effective sanitizer against Staphylococcus aureus, Escherichia coli, Listeria monocytogenes, and Salmonella typhimurium.

EPA Registration No. 833-5
EPA Est. No. 833-5, 838-3A, 839-GA-1, 833-LA-1, 47382-CA-1, 83199-SD-1

Not Contents: Lot Number:

12-07-2006

PER-OX EXTREME is an effective sanitizer against Staphylococcus aureus, Escherichia coli, Listeria monocytogenes, and Salmonella typhimurium.