



SPECIMEN LABEL

- For the disinfection of hard, non-porous surfaces, structures and equipment.
- For the disinfection of separation and filtration media, equipment and systems.
- For the disinfection and sanitation of environmental hard surfaces, structures and equipment.
- For the disinfection and sanitation of non-porous food contact and non-food contact surfaces, equipment and systems.
- Disinfectant and sanitizer.

FOR COMMERCIAL USE ONLY

ACTIVE INGREDIENT:

| | |
|--------------------------------|---------------|
| Hydrogen Peroxide | 27.0% |
| Peroxyacetic Acid..... | 2.0% |
| OTHER INGREDIENTS | 71.0% |
| TOTAL:..... | 100.0% |

**KEEP OUT OF REACH OF CHILDREN
DANGER - PELIGRO**

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand this label, find someone to explain it to you in detail.)

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-222-1222 for emergency medical treatment information.

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

Sold by:
BioSafe Systems, 22 Meadow Street,
East Hartford, CT 06108
1.888.273.3088

EPA Registration No.: 70299-7
EPA Establishment No.: 60156-IL-001

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMAN AND
DOMESTIC ANIMALS**

DANGER: Corrosive
Causes irreversible eye damage and skin burns. May be fatal if inhaled or absorbed through the skin. Harmful if swallowed. Do not get in eyes, on skin or on clothing. Do not breathe vapor or spray mist. Wear protective eyewear (goggles, face shield, or safety glasses), protective clothing and rubber gloves. Wash thoroughly after handling with soap and water, and before eating and drinking or using tobacco. Remove contaminated clothing and wash clothing before reuse. When spraying or fogging, wear a mask or pesticide respirator jointly approved by the Mine Safety and Health Administration and National Institute for Occupational Safety and Health.

DIRECTIONS FOR USE
It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, either indirectly or through drift.

SaniDate Disinfectant works best when diluted with water with minimal levels of organic or inorganic materials, and with water having a neutral pH. Thoroughly rinse out tank with water before mixing concentrate.

SaniDate Disinfectant will readily mix with clean, neutral water and does not require agitation.

SaniDate Disinfectant concentrate should not be combined or mixed with any other pesticide concentrates.

APPLICATION DIRECTIONS:

GENERAL DISINFECTION
SaniDate Disinfectant disinfects as it cleans in one operation. SaniDate Disinfectant can be used to disinfect floors, walls and other hard, non-porous surfaces such as tables, chairs, countertops, bathroom fixtures, sinks, shelves, racks, carts, refrigerators, coolers, tile, and use sites listed on this label made of linoleum, vinyl, porcelain, plastic polyethylene, stainless steel, or glass. For heavily soiled areas, a pre-cleaning step is required. Prepare a fresh solution for each use.

SURFACE DISINFECTION
SaniDate Disinfectant is an effective disinfectant against gram positive and negative bacteria (vegetative forms) *Staphylococcus aureus*, *Pseudomonas aeruginosa*, *Salmonella choleraesuis*, *Salmonella enteritidis*, *Salmonella typhimurium*, *Proteus vulgaris*, *Streptococcus pyogenes*, *Enterobacter aerogenes*, *Lactobacillus maefermentans*, *Pediococcus damnosus*, *Listeria monocytogenes*, *Klebsiella pneumoniae*, and *Escherichia coli* and may be used in general commercial environments to clean, disinfect and deodorize inanimate hard surfaces, such as:

- Floors, walls, and other non-porous surfaces such as tables, chairs, counter tops, garbage cans/bins, bathroom fixtures, sinks, bed frames, shelves, racks, carts, refrigerators, coolers, and use sites listed on this label made of linoleum, vinyl, porcelain, plastic (such as polyethylene), stainless steel, or glass.
- Packinghouses
- Schools, colleges, industrial facilities, dietary areas, office buildings, recreational facilities, retail and wholesale establishments.
- Animal hospitals, veterinary clinics, animal

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 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 SWALLOWED

- Call 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 a poison control center or doctor.
- Do not give anything by mouth to an unconscious person.

IF INHALED

- Move person to fresh air.
- If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.
- Call a poison control center or doctor for treatment advice.

life science laboratories, kennels, kennel runs, cages, feeding and watering equipment, pet shops, zoos, pet animal quarters, poultry premises, trucks, hatcheries and live stock quarters.

(UNCLEANED SURFACES - SURFACE DISINFECTION)

Prepare SaniDate Disinfectant solution by adding 2.5 fl. oz. of the product to 1 gallon of potable water. Remove gross filth from surfaces to be disinfected by cleaning with SaniDate Disinfectant solution by wiping, mopping, or as a coarse spray. Applications involving treatment of food contact surfaces require a sterile or potable water rinse following disinfection.

COMBINATION DISINFECTION AND CLEANING

SaniDate Disinfectant is effective against *Salmonella choleraesuis*, *Salmonella enteritidis*, *Salmonella typhimurium*, *Proteus vulgaris*, *Streptococcus pyogenes*, *Enterobacter aerogenes*, *Lactobacillus malefermentans*, *Pediococcus damnosus*, *Listeria monocytogenes*, *Klebsiella pneumoniae* and *Escherichia coli*. Use a rate of 1.3 fl. oz. per gallon for hard non-porous surfaces that are lightly soiled or have been pre-rinsed to remove gross contamination. For heavily-soiled, hard, non-porous surfaces use a rate of 2.6 fl. oz. per 1 gallon of water. Apply solution with mop, cloth, sponge, brush, scrubber, or coarse spray device or by soaking so as to wet all surfaces thoroughly. Allow to remain wet for 10 minutes then remove solution and entrapped soil with a clean wet mop, cloth, or wet vacuum pickup. Prepare a fresh solution daily or when it becomes soiled or diluted.

For treating sewer backups and for flooding remediation, prepare disinfecting solution of SaniDate by adding 2.5 fl. oz. of the product to 1 gallon of potable water. Remove gross filth from surfaces by cleaning with SaniDate Disinfectant solution by wiping, mopping, or as a coarse spray. Applications involving treatment of food contact surfaces require a sterile or potable water rinse following cleaning.

DISINFECTING PHARMACEUTICAL AND COSMETIC SURFACES

SaniDate Disinfectant is recommended for use on hard, non-porous, environmental surfaces such as floors, walls and processing equipment in pharmaceutical and cosmetic processing facilities. This product is effective at 1.3 fl. oz. per 1 gallon water for pre-washed or lightly soiled surfaces to disinfect. For heavily soiled or surfaces that have not been pre-cleaned, use a rate of 2.6 oz per gallon. Rinse all surfaces thoroughly with the disinfecting solution and maintain a contact time of at least 10 minutes. Product contact surfaces must be rinsed with sterile water.

ANIMAL HEALTH

SaniDate Disinfectant is designed for use in animal hospitals, animal laboratories, kennels, pet shops, zoos, pet animal quarters, poultry premises, poultry hatcheries, and livestock quarters. When used as directed, SaniDate Disinfectant is specifically designed to disinfect, deodorize and clean inanimate, hard surfaces such as walls, floors, sink tops, furniture, operation tables, kennel runs, cages, and feeding and watering equipment. In addition SaniDate Disinfectant will disinfect bins and cans, and any other areas that are prone to odors caused by microorganisms.

All treated equipment that will contact feed or drinking water must be rinsed with potable water before reuse.

For heavily soiled areas, a pre-cleaning step is required. Prepare a fresh solution for each use.

DISINFECTION OF POULTRY PREMISES, TRUCKS, COOPS, AND CRATES

1. Remove all poultry and feeds 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 soap or detergent and rinse with water.
5. Saturate all surfaces with a solution of 1.3 fl. oz. per 1 gallon of water for a period of 10 minutes.
6. Immerse all types of equipment used in handling and restraining poultry, as well as forks, shovels and scrapers used for removing litter and manure.
7. Ventilate buildings, coops and other closed spaces. Do not house poultry or employ equipment until treatment has been absorbed, set or dried.
8. Thoroughly scrub all treated feed racks, mangers, troughs, automatic feeders, fountains and waterers with soap or detergent, and rinse with potable water before reuse.

POULTRY HATCHERY DISINFECTION

1. Clean out any remaining eggs and chicks. Remove all poultry and feed from premises, trucks, coops and crates.
2. Remove gross soils, such as litter, droppings, down, shell fragments or other hatching related debris from floors, walls and surfaces of facilities occupied or traversed by poultry.
3. Empty all troughs, racks and other feeding and watering appliances and equipment.

4. Thoroughly clean all surfaces with soap or detergent and rinse thoroughly with water.
5. Saturate all surfaces with a solution of 1.3 fl. oz. per 1 gallon of water for a period of 10 minutes.
6. Ventilate buildings, coops, and other closed spaces. Allow to dry before reintroducing eggs or poultry.
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.

DISINFECTION AND DEODORIZING OF ANIMAL HOUSING FACILITIES (BARN, KENNELS, HUTCHES)

1. Remove all animals and feed from premises, vehicles and enclosures.
2. Remove all litter and manure from floors, walls and surfaces of barns, pens, stalls, chutes, and other facilities occupied or traversed by animals.
3. Empty all troughs, racks and other feeding and watering appliances.
4. Thoroughly clean all surfaces with soap or detergent and rinse with water.
5. Saturate all surfaces with a solution of 1.3 fl. oz. per 1 gallon of water for a period of 10 minutes.
6. 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.
7. Ventilate buildings, cars, boats, and other closed spaces. Do not house livestock or employ equipment until treatment has been absorbed, set or dried.
8. Thoroughly scrub all treated feed racks, mangers, troughs, automatic feeders, fountains and waterers with soap or detergent, and rinse with potable water before reuse.

FOOT BATH MATS, PADS, WALK THROUGH TRAYS

Place foot bath mats, pads or trays at the entrances of all rooms and buildings to prevent cross contamination from area to area in animal containment areas, livestock and dairy quarters, and poultry premises.

1. Prior to use of this product, rinse or brush footwear surfaces to remove gross filth.
2. Make a solution using 1.3 - 2.6 fl. oz. of SaniDate Disinfectant per gallon of water and add to foot bath mat, pad or tray, filling to capacity. Use the higher rate for heavy soil load.
3. Place boots and shoes in the foot bath mat, pad or tray containing the recommended solution of SaniDate

Disinfectant. Allow surface to remain wet for ten (10) minutes prior to entering next area. Change solution daily or as needed.

For Foaming applications, add 2 - 4 fl. oz. per gallon of water mixed with foaming solution. Follow foaming directions as specified by the manufacturer of the foam generator/aerator.

DISINFECTION OF NON-FOOD CONTACT PACKAGING EQUIPMENT

Prior to use of this product, remove gross soil particles from surfaces. Wash with a recommended detergent solution, rinse thoroughly with potable water. For disinfection against beverage spoilage organisms that include *Pediococcus damnosus*, *Lactobacillus malefermentans*, and *Saccharomyces cerevisiae* apply 1.3 fl. oz. of SaniDate Disinfectant per gallon of water to surfaces at a temperature of 25 to 45 deg C and allow to remain wet for ten (10) minutes. Allow surfaces to drain thoroughly before operations are resumed.

DISINFECTION OF WATER FILTER MEDIA, MEMBRANES AND RELATED COMPONENTS AND SYSTEMS

SaniDate Disinfectant is an effective disinfectant used for the reduction and removal of bio-organisms on the surfaces of the filter and membrane media, media housings, and related devices and equipment. SaniDate Disinfectant may be used for filter media or related system components or in Clean in Place (CIP) systems.

Disinfection and/or treatment of filter media and membrane in potable water systems should be performed when system is **NOT** in use or online.

SaniDate Disinfectant has been tested for compatibility with a wide range of materials of construction. SaniDate Disinfectant is suitable for use with most nonmetallic and metallic piping, valves, pumps and tanks. Long term exposure to concentrate may accelerate corrosion of galvanized steel, bronze, brass or copper. Dirty or moderate to heavy soiled filters and or membranes should be cleaned in accordance with the manufacturer's guidelines to remove contaminants from the membrane surface.

SaniDate Disinfectant contains a minimum amount of surfactant; additional surfactant can be added to the treatment solution. Contact BioSafe Systems and/or the authorized distributor for clarification or additional surfactant compatibility information.

FOR CURATIVE TREATMENTS:

For filters and or filtration media, use a rate of 0.25 to 2.5 fl. oz. per gallon (or a rate range of 1:50 - 1:500). Immerse the filter and allow to soak for a minimum of ten (10) min-

utes. Drain filter media and then rinse with clean water. Prior to placing filter back on line, test a sample of the filtrate using BioSafe Test Strips to determine remaining active ingredient levels.

For clean in place (CIP) filters use a rate of 6.4 to 25 fl. oz. per 100 gallons (or a rate range of 1:500 - 1:2000). Re-circulate treatment solution through the filter for a minimum of 10 minutes. Upon completion of treatment cycle, flush filter housings and or assemblies with clean water. Test sample of water being used to flush filter media with BioSafe Systems Test Strips to determine remaining active ingredient levels.

For treatment of membranes use a rate of 0.25 fl. oz. per gallon, with a pH range of 3-7 and maximum water temperature of 80 degrees F. Allow the membranes to soak for a minimum of 10 minutes. Flush or rinse membranes with clean water after treatment. Test flush water with BioSafe Systems Test Strips to determine remaining active ingredient levels.

For treatment membranes in CIP systems use a rate 6.4 to 25 fl. oz. per 100 gallons (or a rate range of 1:500 - 1:2000), with a pH of 3-7 and a maximum water temperature of 80 degrees F. After thorough draining of the solution, rinse the membrane thoroughly with clean water for a minimum of 10 minutes. Test sample of flush water with BioSafe Systems Test Strips to determine remaining active ingredient levels.

To calculate amount of product to be used for CIP systems, identify total volume of all tanks, vessels and piping. Prepare dilution based on sum of all identified tank, vessel and piping volumes.

FOR PREVENTATIVE TREATMENTS:

For preventative applications add or inject SaniDate Disinfectant to water through calibrated metering pump or injector at rates of 1:2000 to 1:10,000. To monitor and maintain the active ingredient level install a ORP sensor and interface with proportioning controller or take random grab samples and check using BioSafe systems Test Strips.

PACKINGHOUSE DISINFECTION

SaniDate Disinfectant is effective against *Salmonella enteritidis*, *Salmonella typhimurium*, *Proteus vulgaris*, *Saccharomyces cerevisiae*, *Staphylococcus aureus*, *Pseudomonas aeruginosa*, *Streptococcus pyogenes*, *Enterobacter aerogenes*, *Lactobacillus malefermentans*, *Pediococcus damnosus*, *Listeria monocytogenes*, *Klebsiella pneumoniae* and *Escherichia coli*.

(FOR PRE-CLEANED SURFACES:) Use a rate of 1.3 fl. oz per gallon for hard non-porous surfaces that are lightly soiled or have been

pre-rinsed to remove gross contamination. **(FOR UNCLEANED SURFACES:)** For heavily-soiled, hard, non-porous surfaces use a rate of 2.6 fl. oz. per 1 gallon of water. Apply solution with mop, cloth, sponge, brush, scrubber, or coarse spray device or by soaking so as to wet all surfaces thoroughly. Allow to remain wet for 10 minutes, and then remove solution and entrapped soil with a clean, wet mop, cloth, or wet vacuum pickup. Prepare a fresh solution daily or when it becomes soiled or diluted.

PACKINGHOUSE DISINFECTION

SaniDate Disinfectant is effective against microorganisms such as *Xanthomonas campestris (axonopodis)* pathovars *citrumelo* (citrus canker surrogate).

1. Remove gross contamination with a cleaner or other suitable detergent and rinse with potable water.
2. Use SaniDate Disinfectant at a dilution rate of 1:400 - 1:800 as a general coarse spray to reduce bacterial and fungi contamination of walls, floors, conveyors and harvesting containers.
3. Allow to contact surface for ten (10) minutes. Allow to air dry, do not rinse.

FOOT BATH MATS, PADS, WALK THROUGH TRAYS

Place foot bath mats, pads or trays at the entrances of all rooms and buildings to prevent cross contamination from area to area in packinghouses, food processing and rendering plants.

1. Prior to use of this product, rinse or brush footwear surfaces to remove gross filth.
2. Make a solution using 1.3 - 2.6 fl. oz. of SaniDate Disinfectant per gallon of water and add to foot bath mat, pad or tray, filling to capacity. Use the higher rate for heavy soil load.
3. Place boots and shoes in the foot bath mat, pad or tray containing the recommended solution of SaniDate Disinfectant. Allow surface to remain wet for ten (10) minutes prior to entering next area. Change solution daily or as needed.

For Foaming applications, add 2 - 4 fl. oz. per gallon of water mixed with foaming solution. Follow foaming directions as specified by the manufacturer of the foam generator/aerator.

FIELD EQUIPMENT DISINFECTION

SaniDate Disinfectant may be used to disinfect harvest equipment such as pickers, trailers, trucks (including truck body parts and tires), bins, packing crates, ladders, power tools, hand tools, gloves, rubber boots, pruning shears or other equipment that may transfer *Xanthomonas campestris (axonopodis)* pathovars *citrumelo* (citrus canker surrogate). This

product can also be used to disinfect surfaces contaminated with *P. aeruginosa*, *S. cholerae-suis* and *S. aureus*.

1. Before disinfection, move the field equipment into an area with an impervious surface and with controlled drainage. Ensure that no disinfection solution will be released into the environment.
2. Remove gross contamination with a cleaner or other suitable detergent and rinse with water.
3. For *Xanthomonas campestris* (*axonopodis*) pathovars *citrumelo* (citrus canker surrogate), use SaniDate Disinfectant at a dilution rate of 1:400 - 1:800 as a general coarse spray. For *P. aeruginosa*, *S. cholerae-suis* and *S. aureus*, use SaniDate Disinfectant at a dilution rate of 1:100 (1.3 fl. oz./gal) as a general coarse spray.
4. Allow SaniDate Disinfectant to contact surface for ten (10) minutes.
5. Allow to air dry, do not rinse.

PACKINGHOUSE SANITIZATION

SaniDate Disinfectant is effective against microorganisms such as *Xanthomonas campestris* (*axonopodis*) pathovars *citrumelo* (citrus canker surrogate) and *Staphylococcus aureus*.

1. Remove gross contamination with a cleaner or other suitable detergent and rinse with potable water.
2. Use SaniDate Disinfectant at a dilution of 1:600 as a general sanitizing coarse spray to reduce bacterial and fungi contamination of walls, floors, conveyors and harvesting containers.
3. Allow sanitizer to contact surface for at least one (1) minute.
4. Allow to air dry. Do not rinse.

For direct injection into spray waters used on packinghouse process lines and humidification systems, treat water to control *Staphylococcus aureus*, *S. cholerae-suis*, and *P. aeruginosa* by injecting SaniDate Disinfectant directly into spray system water with 1.25 fl oz. for every gallon of water. Applicable for use on all types of post harvest commodities.

FIELD EQUIPMENT SANITIZATION

SaniDate Disinfectant may be used to sanitize harvest equipment such as pickers, trailers, trucks (including truck body parts and tires), bins, packing crates, ladders, power tools, hand tools, gloves, rubber boots, pruning shears or other equipment that may transfer *Xanthomonas campestris* (*axonopodis*) pathovars *citrumelo* (citrus canker surrogate). This product can also be used to sanitize surfaces contaminated with *P. aeruginosa*, *S. cholerae-suis* and *S. aureus*.

1. Before sanitization, move the field equipment into an area with an impervious surface and with controlled drainage. Ensure that no sanitization solution will be released into the environment.
2. Remove gross contamination with a cleaner or other suitable detergent and rinse with water.
3. Use SaniDate Disinfectant at a dilution rate of 1:50 (1.25 fl oz per gallon of clean water) as a general sanitizing coarse spray.
4. Allow sanitizer to contact surface for at least one (1) minute.
5. Allow to air dry. Do not rinse.

BACTERIOSTATIC

At 1.3 fl. oz. per 1 gallon of water SaniDate Disinfectant is effective at inhibiting the growth of bacteria when used in the presence of 400 ppm hard water and organic soil. SaniDate Disinfectant can be used on floors, walls and other hard nonporous surfaces such as tables, chairs, countertops, bathroom fixtures, sinks, shelves, racks, carts, refrigerators, coolers, tile, and use sites listed on this label made of linoleum, vinyl, porcelain, plastic (such as polypropylene and polyethylene), stainless steel, or glass.

GENERAL SANITIZATION

SaniDate Disinfectant is an effective inanimate, non-food contact, hard surface sanitizer against bacteria, fungus, and mold. Use as a sanitizer on surfaces such as floors, walkways, walls, floors, tables, chairs, benches, countertops, cabinets, bathroom fixtures, sinks, shelves, racks, crates, carts, trailers, vehicles, conveyors, refrigerators, coolers, fan blades, ductwork, drain, piping, dehumidifiers, industrial and commercial air handling systems, commercial, municipal and process water transfer, and handling systems, filter housings, vats, tanks, pumps, valves and systems.

SaniDate Disinfectant is an effective inanimate surface and material sanitizer for personal equipment such as boots, gloves, hard hats, raingear and similar outer garments, tools and equipment including but not exclusive to buckets, pails, scrapers, squeegees, brooms, mops, shovels, rakes, hooks, wrenches, screwdrivers.

SaniDate Disinfectant is effective on the use sites listed which are manufactured from the following materials; linoleum, formica, vinyl, porcelain, plastic, fiberglass, polyethylene, CPVC, PVC, nylon, aluminum, steel, stainless steel, sealed wood, tile, and glass. For use on other materials contact the factory for information on material compatibility.

NON-FOOD CONTACT SURFACE SANITIZATION

SaniDate Disinfectant is an effective sanitizer

against bacteria such as *Staphylococcus aureus* and *Klebsiella pneumoniae*. SaniDate Disinfectant may be used in general commercial environments to clean, disinfect, sanitize, and deodorize inanimate surfaces, such as:

- Floors, walls, and other non-porous surfaces such as tables, chairs, counter tops, garbage cans/bins, bathroom fixtures, sinks, bed frames, shelves, racks, carts, refrigerators, coolers, tile, and use sites listed on this label made of linoleum, vinyl, porcelain, plastic (such as polyethylene), stainless steel, or glass.
- Packinghouses, food processing, fresh cut, food distribution and storage, beverage processing facilities, groceries, food retail and wholesale stores, milking parlors, dairy production, and transfer facilities and equipment.
- Schools, colleges, industrial facilities, dietary areas, office buildings, recreational facilities, retail and wholesale establishments.
- Animal hospitals, veterinary clinics, animal life science laboratories, kennels, kennel runs, cages, feeding and watering equipment, pet shops, zoos, pet animal quarters, poultry premises, trucks, hatcheries and live stock quarters and pens.

PRE-CLEANED SURFACES:

1. Remove gross filth with a cleaner or other suitable detergent.
2. Add 0.5 fl. oz. (1:250) of SaniDate Disinfectant to 1 gallon of potable water.
3. Soak items in/with diluted solution using mop/wipe, coarse spray or flood techniques and allow contact for at least five (5) minutes. Allow items and/or surfaces to drain adequately or air dry.

FOOD CONTACT SURFACE SANITIZATION

SANITIZING FOOD PROCESSING EQUIPMENT

SaniDate Disinfectant is recommended for use on pre-cleaned surfaces such as equipment, pipelines, tanks, vats, fillers, evaporators, pasteurizers and aseptic equipment in dairies, breweries, wineries, beverage and food processing plants. SaniDate Disinfectant is an effective sanitizer for use in the washing, rinsing and sanitizing of conveyor, boxing or packing equipment, peelers, corers, de-boners, scrapers, collators, slicers, dicers, knives, saws, etc.

1. Remove all products from equipment unless treating only the return portion of a conveyor.
2. Prepare SaniDate Disinfectant solution by adding 0.5 - 2.5 fl oz ounces to 1 gallon of potable water. (1:250 -1:50). Solutions stronger than 1:250 (0.5 fl. oz.) must be followed by a potable or sterile water rinse.
3. Apply sanitizer solution to the return

portion of the conveyor or to equipment using a coarse spray or other means of wetting the surfaces, (treat for at least one (1) minute). Control the volume of solution so as to permit maximum drainage and prevent puddles. The conveyor may still be damp when food contact occurs.

4. Allow equipment to drain adequately before reusing; a dry surface is not required.

SANITIZING FOOD CONTACT SURFACES

SaniDate Disinfectant is an effective sanitizer for food contact surfaces. Surfaces to be sanitized include but are not exclusive to cutting boards, tabletops, trays, pans, racks, platters, cans, vats, tanks.

PRE-CLEANED SURFACES:

1. Prior to sanitizing food contact surfaces, pre-clean by removing gross food particles.
2. Wash with a detergent solution, followed by a potable water rinse.
3. Prepare a solution of SaniDate Disinfectant by adding 0.5 fl. oz. per gallon of water.
4. Apply the solution to the surface by wiping, mopping with solution or by a coarse spray.
5. Allow to remain on surface for one minute, allow to air dry.

SANITIZING EATING, DRINKING, AND FOOD PREP UTENSILS

1. Remove gross food particles by a prescrape, preflush and when necessary, a pre-soak treatment.
2. Wash with a recommended detergent.
3. Rinse with clean water.
4. Sanitize in a solution of 0.5-1.25 fl oz SaniDate Disinfectant to 1 gallon of water. Immerse all utensils for at least one minute or contact time specified by governing sanitary code.
5. Drain and air dry.

SANITIZING TABLEWARE

For sanitizing tableware in low to ambient temperature ware washing machines, inject SaniDate Disinfectant into the final rinse water using 2.5 fl oz. of concentrate per gallon of water. Solution must contact tableware for a minimum of 5 minutes. To insure that the SaniDate Disinfectant concentration dose not fall below 0.1%, periodically test the rinse solution with a suitable test kit and adjust the dispensing rate accordingly.

NOTE: FOR MECHANICAL OPERATIONS

Prepared use solution may not be reused for sanitizing but may be reused for other purposes such as cleaning. FOR MANUAL OPERATIONS fresh sanitizing solutions

should be prepared at least daily or more often if the solution becomes diluted or soiled.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store in original containers in a cool, well-vented area, away from direct sunlight. Do not allow product to become overheated in storage. This may cause increased degradation of the product, which will decrease product effectiveness. In case of spill, flood area with large quantities of water. Do not store in a manner where cross-contamination with other pesticides or fertilizers could occur.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. Open dumping is prohibited. If wastes cannot be disposed of according to label directions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: Triple rinse (or equivalent). Then offer for recycling or dispose in a sanitary landfill, or incineration, if allowed by state and local authorities by burning. Stay out of smoke.

WARRANTY - This material conforms to the description on the label and is reasonably fit for the purposes referred to in the directions for use. Timing, method of application, incompatibility with other chemicals, pre-existing conditions and other conditions influencing the use of this product are beyond the control of the seller. Buyer assumes all risks associated with the use, storage, or handling of this material not in strict accordance with directions given herewith. NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR MERCHANTABILITY IS MADE.

MSDS

1. IDENTIFICATION

Product Name: SaniDate Disinfectant[®]

Product Type: Bactericide / Fungicide/ Algacide

Manufacturer: BioSafe Systems LLC,

22 Meadow Street East Hartford, CT 06108

Office Telephone Number (860) 290-8890

Emergency: CHEMTREC: 800-424-9300 (24 HOURS EVERY DAY)

Creation Date: December 2007

NOTE: NOT VALID TWO YEARS AFTER CREATION DATE.

EPA Registration No. 70299-7

EPA Establishment No. 60156-IL-001

2. HAZARDOUS COMPONENTS

Hydrogen Peroxide 7722-84-1

Peroxyacetic Acid 79-21-0

3. HEALTH HAZARDS DATA

Health effects from over exposure to CONCENTRATE

- Corrosive to mucous membranes, eyes and skin
- The seriousness of the lesions and the prognosis of intoxication depend directly on the concentration and duration of exposure.

Skin: May cause TEMPORARY skin discoloration and irritation

Eyes: May cause severe eye damage

Ingestion: HARMFUL OR FATAL: Causes chemical burns of mouth, throat and stomach.

- Corrosive to gastrointestinal tract
- Paleness and cyanosis of the face
- Excessive fluid in the mouth and nose
- Bloating of stomach and belching
- Nausea and vomiting
- Risk of chemical pneumonitis and pulmonary edema

Inhalation: Vapors or mist can cause irritation. People with asthma or other lung problems may be more affected.

4. FIRST AID

General Recommendations:

- In case of product splashing in eyes, treat eyes first
- Submerge soiled clothing in water
- Contact physician in all cases

Eyes: Immediately flush with plenty of cool running water. Remove contact lenses. Continue flushing for at least 15 minutes, holding eyelids apart to ensure rinsing of the entire eye. Administer analgesic eyewash (oxybuprocaine) Call a physician immediately.

Skin: Immediately flush skin with plenty of cool, running water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.

Ingestion: Rinse mouth at once; then drink 1 or 2 large glasses of water or milk. DO NOT induce vomiting. NEVER give anything by mouth to an unconscious person. Take person to the hospital.

Inhalation: Immediately move a person to fresh air.

5. FIRE AND EXPLOSION DATA

- Special fire hazards: Product (concentrate) can decompose and will release oxygen thereby adding to the fire hazard.
- Fire fighting methods: Product is not flammable and can be quickly diluted with clean water.
- Oxidizing Agent may cause spontaneous ignition with oxidizing agents.

6. SPILL OR LEAK PROCEDURES

- Cleanup: Rinse small amounts to drain when possible. Dike or dam large spills, pump to containers or soak in inert absorbent. Flush

residue to sanitary sewer, rinse area thoroughly with clean water.

- Avoid materials that are incompatible with concentrate.
- Waste Disposal: Consult state and local authorities for restrictions on disposal of chemical wastes. Unused product (concentrate) is classified as a (D002) by RCRA criteria.

7. HANDLING AND STORAGE

- Never return product back to the original container
- Keep concentrate away from reactive substances
- Prevent contact with organic materials
- Keep product in original container
- Store in cool, ventilated area
- Keep out of direct sunlight
- Never use metal containers or spigots
- Use vented container
- Warn personnel of dangers of concentrated product

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory: Avoid breathing mists or vapors of concentrate.

Eyes: Use chemical splash goggles when handling concentrate. For continued severe exposure, wear a face shield over the goggles.

Skins: Rubber gloves - protective or gauntlet type preferred when handling concentrate. Use aprons.

ACGIH TLV: 1 PPM 8 HOUR TWA 1.4 mg/m³ TWA

OSHA PEL: 1 PPM 8 HOURS TWA 1.4 mg/m³ TWA

Respiratory protection:

- NIOSH approved full-face respirator for excessive conditions
- Hand gloves for handling concentrate = butyl rubber
- Eye protection - chemical proof goggles/face shield for splash risk
- Skin protection - coveralls when handling concentrate

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear, colorless liquid

Odor: Pungent

Freezing Point: -30 C (-22F)

Boiling Point: Not applicable, product decomposes

Specific gravity: 1.09

pH: 1.33

Solubility: Complete

Decomposition temperature: self-accelerating decomposition temp. > 55°C

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions, with slow oxygen release.

Conditions to avoid: Heat / Direct Sunlight

Materials to avoid: Acids · Bases · Reducing Agents · Organic Materials · Metals · Salts of Metals

11. TOXICOLOGICAL INFORMATION

Acute Toxicology:

- Oral route, LD50, rat 330 mg/kg. Test substance 7% solution.
- Dermal route, LD50 rabbit, 1410 mg/kg. Test substance: 10% solution
- Inhalation, LD50, four hours, rat 4080 mg/kg. Test substance: 5% solution

Irritation:

- Rabbit, corrosive (eyes) Test substance: 4% solution
- Rabbit, corrosive (skin) Test substance 5% solution
- Rat, irritant (respiratory tract)

Chronic Toxicity:

- Dermal = > 0.12% solution, irritating effect
- Inhalation => 5 mg. m³, irritant
- Route of entry = Inhalation / ingestion

12. ECOLOGICAL INFORMATION

Toxic to simple cell and aquatic organisms.

Danger to the environment limited; due to product properties.

- No bioaccumulation
- Soil degradation = 99% in 20 minutes
- Considerable abiotic and biotic degradability
- Sediments = Non-significant adsorption
- Weak persistence of degradation products
- Degradation products = water & oxygen

Acute Ecotoxicity:

- Fish, Rainbow trout LC50, 48 hours > 40 mg/L
- Crustaceans, EC 50, 48 hours 126.8 mg/1 l mg/L
- Bacteria, Pseudomonas aeruginosa, EC 100, 5minutes, % 5mg/L

13. DISPOSAL CONSIDERATIONS

- Store in original containers in a cool, well-vented area, away from direct sunlight. Do not allow product to become overheated in storage. This may cause increased degradation of the product, which will decrease product effectiveness. In case of spill, flood area with large quantities of water. Do not store in a manner where cross-contamination with other pesticides or fertilizers could occur.

- Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. Open dumping is prohibited. If wastes cannot be disposed of according to label directions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

- Triple rinse (or equivalent). Then offer for recycling or dispose in a sanitary landfill, or incineration, if allowed by state and local authorities by burning. Stay out of smoke.

14. TRANSPORT INFORMATION

DOT Shipping Name: Hydrogen Peroxide and peroxyacetic acid mixture, stabilized, not more than 5% Peroxyacetic acid.

UN Number: 3149

Hazard Class: 5.1

Primary Hazard Label: Oxidizer

Subsidiary Risk Label: Corrosive

Packing Group: II

Shipping Container: UN Certified vented polyethylene. 2.5, 5, 30, 55 and 275 gallon polyethylene drums

Regulatory Information

TSCA Inventory List: YES

CERCLA Hazardous Substance (40 CFR 302)

Listed substance: NO

Unlisted Substance: YES

Characteristic: Corrosive

Reportable Quantity: 100 pounds

NFPA Rating Health – 2 Flammability – 0 Reactivity – 3 Special – OX

HMIS Rating Health – 2 Flammability – 0 Reactivity – 2 PPE - Required

Canadian WHMIS Classification

C – Oxidizing E – Corrosive F – Dangerously Reactive

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